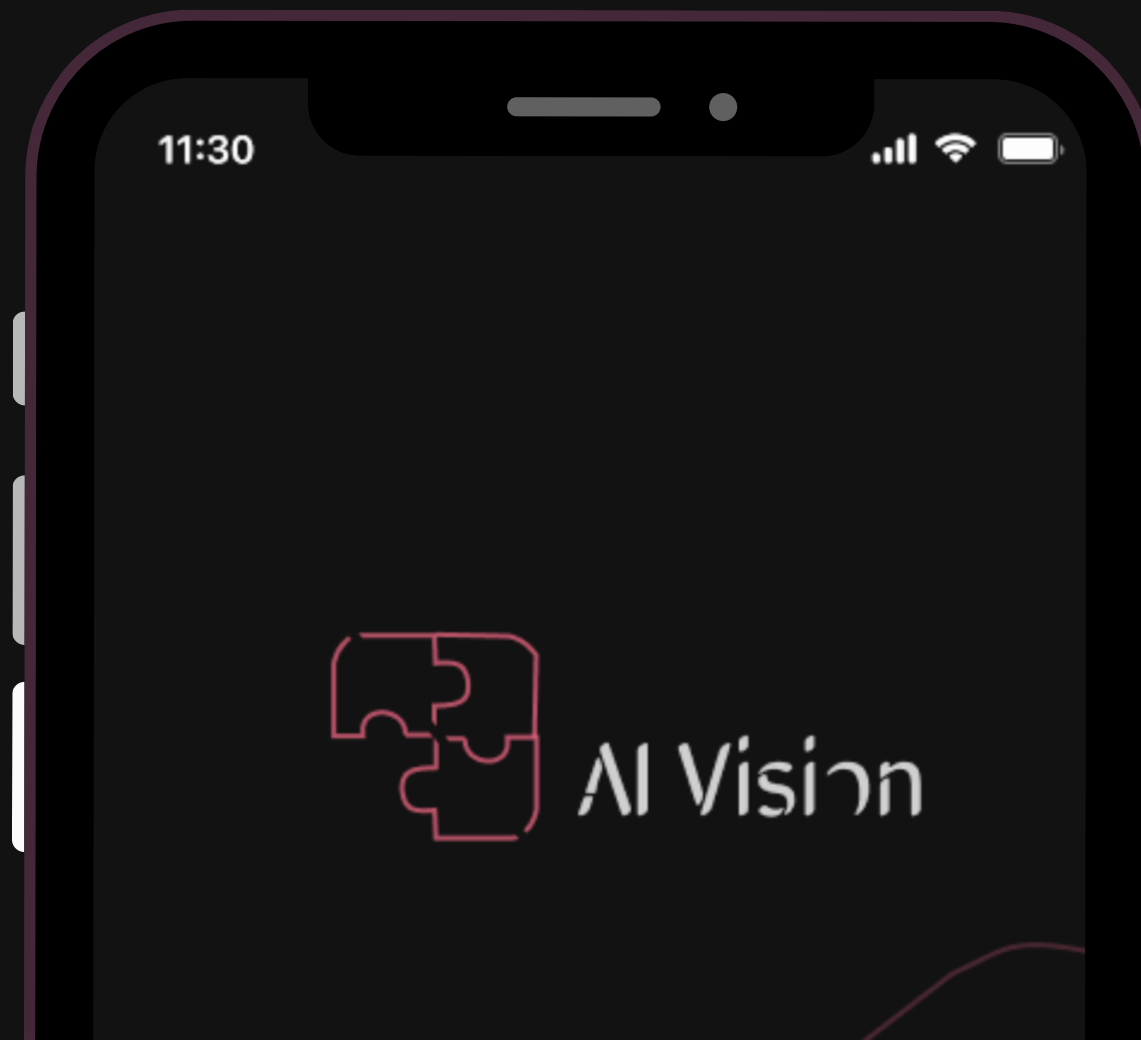


Usman Khan
21327080

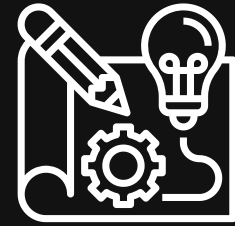
WELCOME TO

AI VISION



Usman Khan
21327080

Hello,



Link to my portfolio -
see some of my other
projects



My name is **Usman Khan**, a UI/UX designer at Manchester Metropolitan University. I specialise in prototyping and create websites using software such as **Visual Studio code**, **Figma** and **Photoshop**.

With skills in **HTML**, **CSS** and **JavaScript**, I am able to create intuitive designs that create a pleasant user experience.



Usman Khan
21327080

UX Design and Digital Product Strategy

What is UX Design?

UX design is a user centred process of creating a product that creates a meaningful experience to users, this involves many areas of development such as design and usability. Within the UX design they focus upon how users may feel when using a certain product and from that can create wireframes and prototypes that will be tested to ensure they meet the criteria/create an experience for users.

What is Digital Product Strategy?

This is a type of roadmap for a product ensuring it meets user requirements along with the capabilities of the organisation - this allows them to increase efficiency and can be cost effective due to knowing the risks that can occur along the way that prevents major risks. [14]

UX Specialisations



UX Architect

A UX architect also known as an information architect, are part of the defining stage of the process and are responsible for ensuring design's message is clear and defining a page heir-achy that provides a seamless user journey. [1]



UX Researcher

A UX researcher are part of the discovery phase and they are the one who carries out the research based around the design of the product, carrying out interviews or other research techniques to understand the behaviours of users, the motivation that drives them into using the product along with any pain points that can occur, to ensure a product is suitable for the final users and stakeholders. [1] [2]



UI Designer

A UI designer are part of the development stage and their role is to create the user interfaces of the product along with the design assets that go along with it; they create high fidelity prototypes that show what the final design will look like following the brand guidelines.[1] [2] [3]

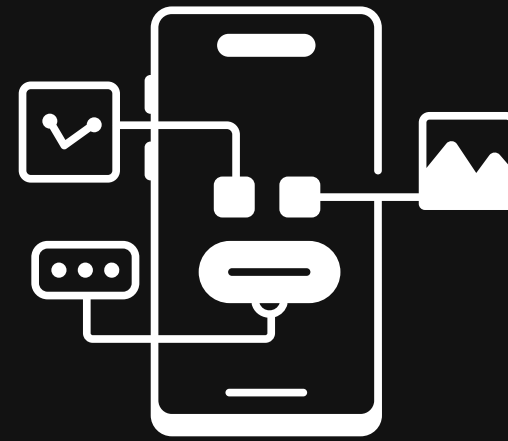


UX Writer

A UX writer is quite a recent job role within the UX industry and are part of the design phase, they specialise in the text that users interact with, to ensure they are able to navigate through the website/product. An example of this is if you complete a task on the app or leaving a session, a message that gives users instructions in order to meet the requirement.

Usman Khan
21327080

My **Strongest** skills



My strongest skills are in **coding** and also **prototyping** due to my background in IT. This does not mean I am strictly a coder, but also have some **design knowledge** and able to create designs that flow smoothly along with ensuring they meet **accessibility requirements** for **universal users**.



Usman Khan
21327080

The **ideal** job role within the **UX Industry**



UI/UX Developer

The job role that fit my skillset is a UI/UX Developer, the reason for this is the mix of front-end development along with design knowledge to create prototypes/products that provide users with visually appealing designs and interactions.



AI Tools used within the **UX Design Process**



Chat GPT



Khroma



Colourmind



Canva Tools



uizard



Sketch2code

AI Tools used within the **UX Design Process**



Colourmind

What is it?

Colour mind is an AI colour scheme generator that uses deep learning from images, movies and art pieces. Users are able to upload images, which then the AI will analyse the image to create a colour palette from the colours used within the image.[4]



Canva Tools

What is it?

Canva is an online template editor that is used for creating presentations and social media content/graphics. Offering a range of tools such as a background remover and an image upscale - that uses AI to improve the quality of a low resolution images.

AI Tools used within the **UX Design Process**



uizard

What is it?

Uizard is a tool that allows users to create prototypes from wireframes and sketches, along with being able to create UI designs using the AI system to simplify the process.

Users are able to edit the UI designs that have been generated within the program using the built-in editor.



Sketch2code

What is it?

Sketch2Code developed by Microsoft, is an AI tool that allows users to use a sketch, and using the AI system will create HTML code based around the sketch (hand-drawn on paper) carried out by users that can be used within code.

Tools **used** with the **Prototype**



Chat GPT



Designs.AI

Tools used with the Prototype



Chat GPT

What is it?

ChatGPT is an AI powered chatbot that is developed by Open AI back in late 2022, since the release to the public - it has become a huge impact on the world. It allows people to input a question or tasks, it will then create a response based on the questions inputted. An example of the use, is to look at my use of the tool - where I asked ChatGPT “An app idea for entrepreneurs” and it gave me a suggestion/recommendation that I amended to ensure it meets the brief of the project.

Pros

- Able to aid user’s skills by making certain recommendations.
- Can be accessed at any time.
- Can generate content efficiently.

Cons

- Cannot copyright information given by ChatGPT.
- Data can be biased, likely to produce inaccurate information.
- Relying on the tool can lead skills to not be trained in users.

Ethical Issues

- Tool can generate content, which can “steal” design jobs (graphic designers) due to being able to generate images from prompts.
- Biased data can give inaccurate information resulting in miscommunication. [10]

Designs.AI - Logo Maker



What is it?

This is an AI tool that is used by many designers to help them with creating a logo. The tool works by users inputting the name of the brand along with an icon that is provided by the tool, users are then able to select some styles that they like along with a colour that represents the brand. It will then generate a series of designs that users can take or use as inspiration for creating their own unique logo.

Pros

- Can generate ideas in minutes.
- User interface is user-friendly.
- Able to generate high quality designs

Cons

- Limited customisations- unable to many changes
- Pricing - plan can be expensive.
- No uniqueness to logos, basic designs.

Ethical Issues

- AI tools naturally can be unreliable/biased.
- No real way of copyrighting AI generated images

Introduction to the client

Who is the client?

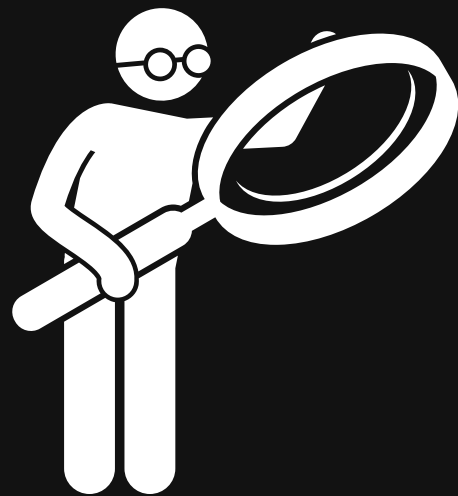
AI vision, is an app designed for aspiring entrepreneurs who would like to create a business but unable to due to the lack of knowledge in being able to setup a business. Whether that maybe to do with knowing if the idea they have is likely to be successful and implementation of AI will support them along the way.

Research Question and research aims



Research Question

Can an inspiring entrepreneur use a digital application to improve the process of setting up a business or/and business ideation techniques?



Research Aims

Investigate the success rate of entrepreneurs setting up a business using a digital application fuelled by AI and whether improves the process or impairs it.

Research Methods used for project



Interviews
Qualitative



Survey
Quantitative



**Secondary
Research**

Research Plan

Background: The purpose of the study is to understand the pain points aspiring entrepreneurs struggle with when creating a business, and how these issues can affect the process of setting up the business along with ways to overcome them.

Objectives:

- Understand issues aspiring entrepreneurs face when creating a business
- Understand why some of them haven't been able to begin the journey
- Understand way to ensure they are able to setup a business.

Research Question: Can an inspiring entrepreneur use a digital application to improve the process of setting up a business or/and business ideation techniques?

Research Plan

Procedure: Participants will be asked a series of questions in an interview environment and will be asked about setting up a business and why they may have not. This will take around 10-15 minutes to complete which then the information that is recorded will be used in the design process of the final product.

Equipment:

- Computer with in-built microphone
- Notepad
- Smartphone
- Pen
- Device peripherals (if needed)

Ethics: Users will be given a consent form and information sheet explaining the process of the research and will be able to ask questions before the research takes place. If they don't feel comfortable at any stage they are able to leave.

Research Plan

Participants: Those who will be taking part need to be within the ages of 20-45 years of age, reason for this is due to the likelihood of starting a business and there is no particular exclusion in gender or ethnicity.

Time plan:

- **12th Feb** - Research start date
- **13th Feb** - Find Participants
- **15th Feb** - Participants interviews
- **18th Feb** - Analyse data from interviews
- **28th Feb** - Finalise data analysis
- **30th Feb** - Begin planning pages of prototype

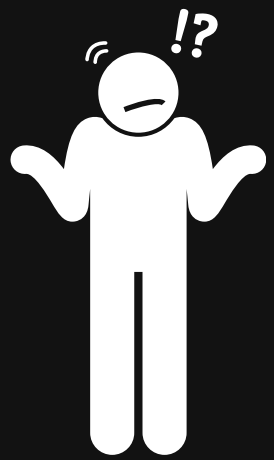
Limitations: There maybe some issues with finding the correct participants or those who would like to participate, as they may feel uncomfortable being recorded - which is perfectly fine just can affect the process of getting information.

Usman Khan
21327080

Research Findings

Primary Research - Interviews

By conducting interviews with 5 people who are in the process/inspiring to setup their own business, from the interviews carried out I found out:



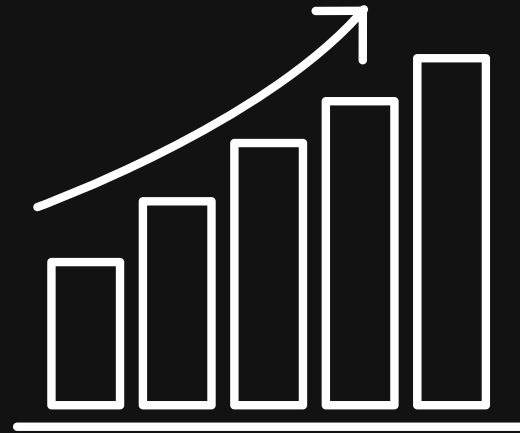
4/5 interviewees, stated that they don't have an idea on where they should be putting the money in/towards - resulting in them not knowing the value they can provide.

Also "stalling" the process of beginning the journey to setup a business.



Interviewees all stated that they find it difficult to follow a budget that they have set, due to certain circumstances or not keeping track of expenses.

Primary Research - Interviews



All participants suggested that some sort of infographics should be visible with an app that helps show the amount within their budget along with the amount they have spent.



4/5 participants valued data synchronisation to be added within the app to prevent data being lost/limited to one device. Along with a backup service to be able to retrieve data if needed.

Primary Research - Interviews



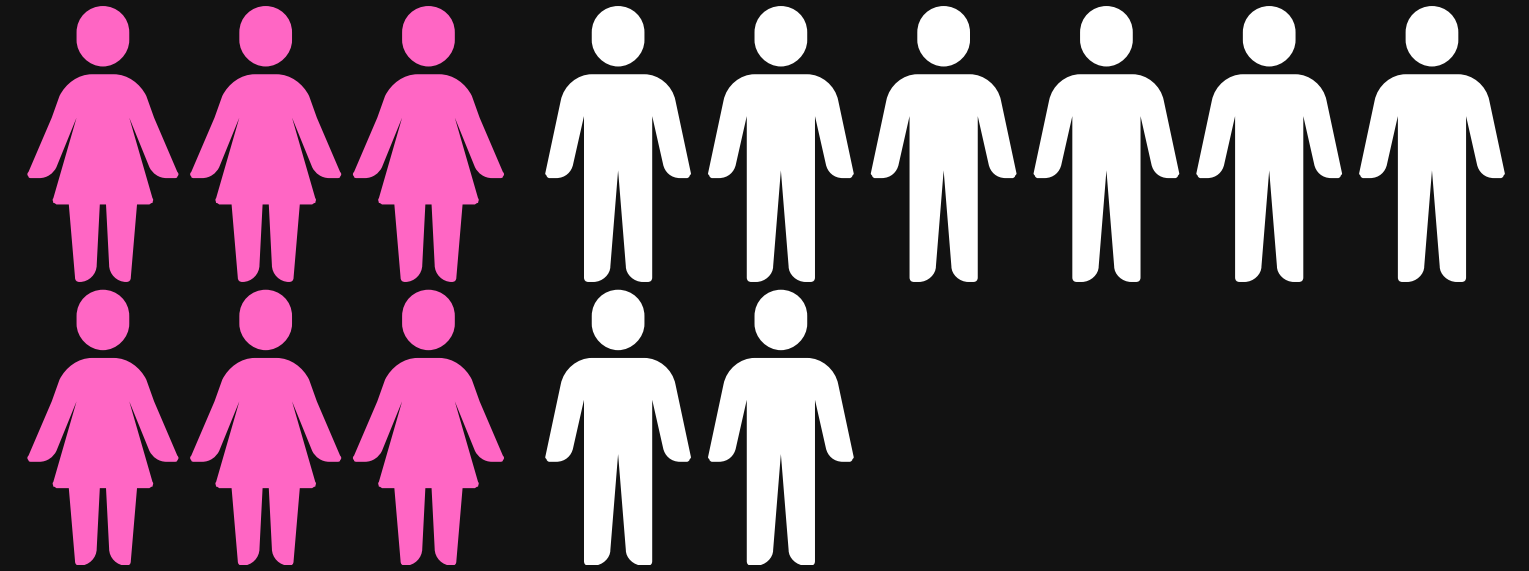
All participants that were interviewed stated that they use a smartphone as their daily device and occasionally would use others such as a laptop or desktop. 3/5 participants use a Apple device whilst the others using android devices.



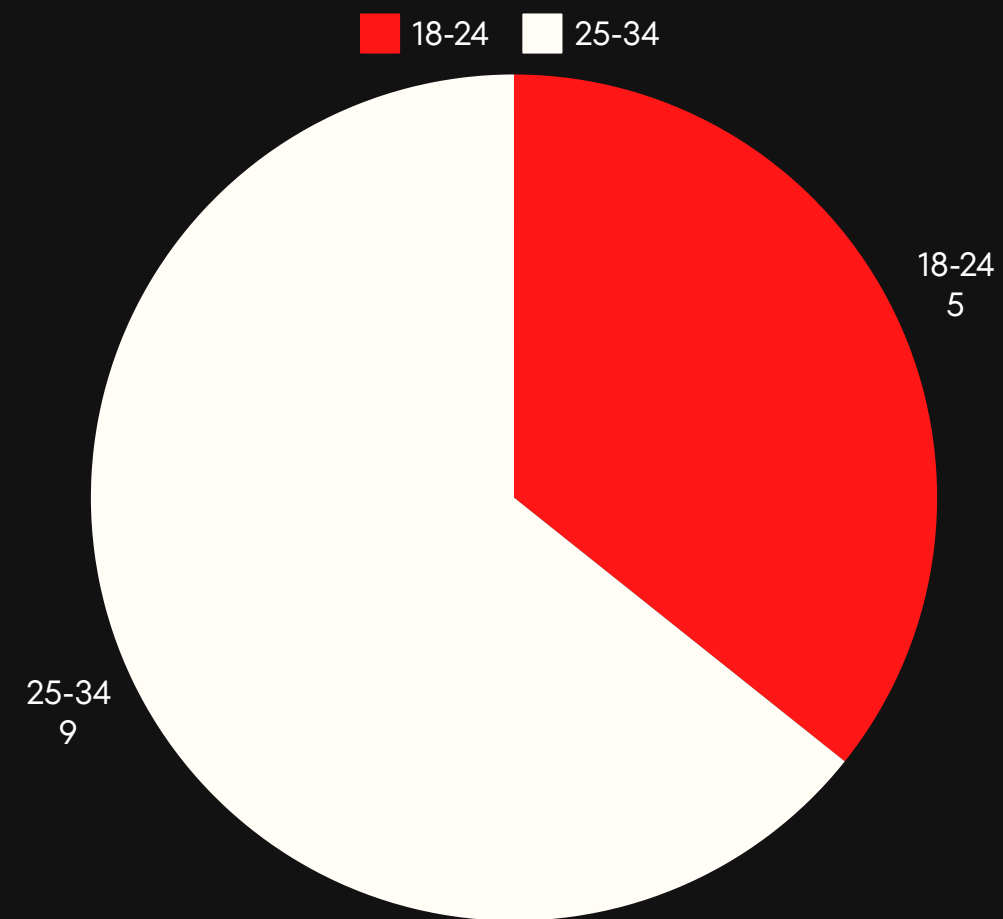
All participants recommended features such as 'Tips' to be added to give users an opportunity to know more about the app.

Primary Research - Survey

Have you thought about starting your own business?



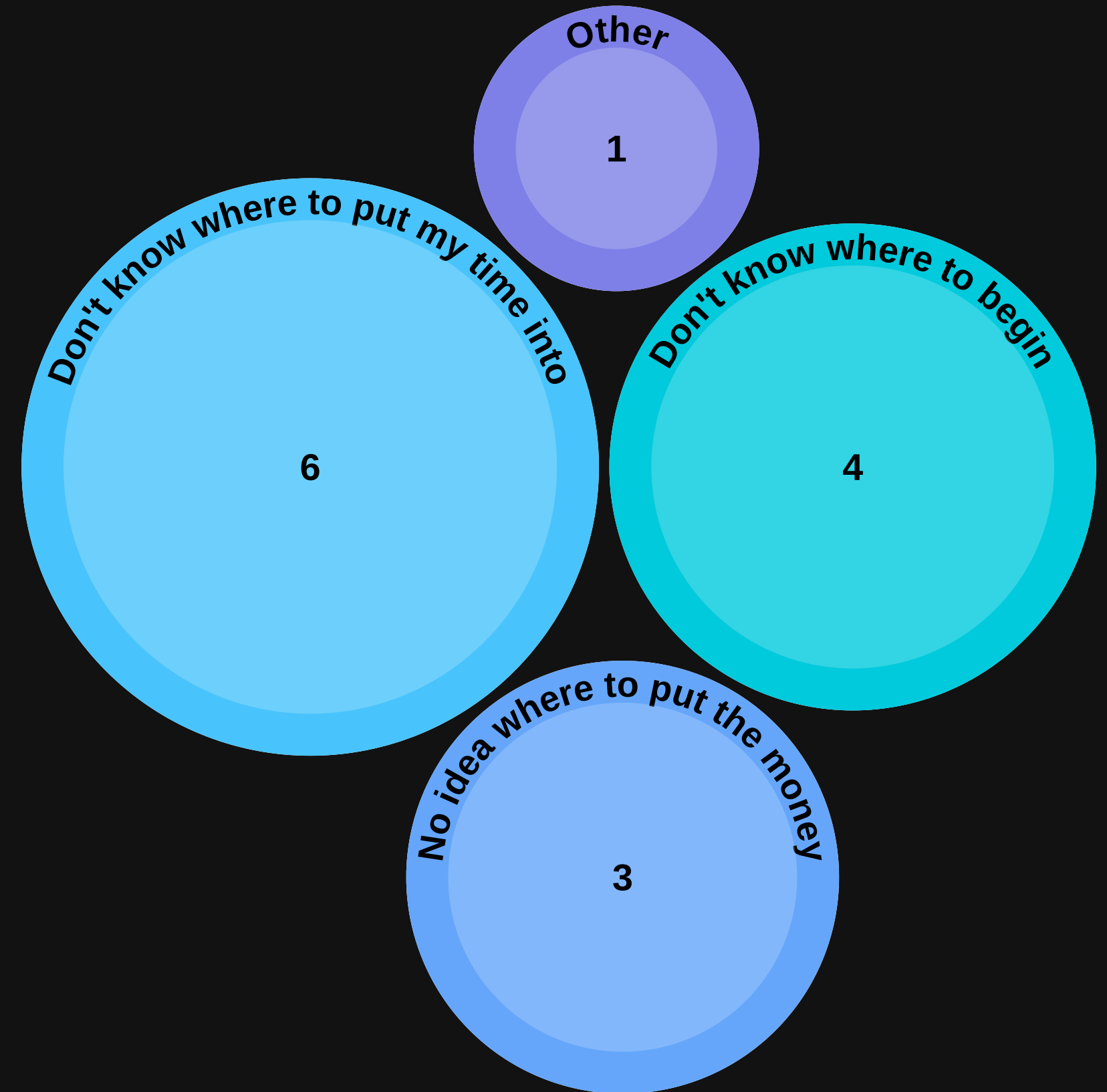
All participants have thoughts of starting a business.



Primary Research - Survey

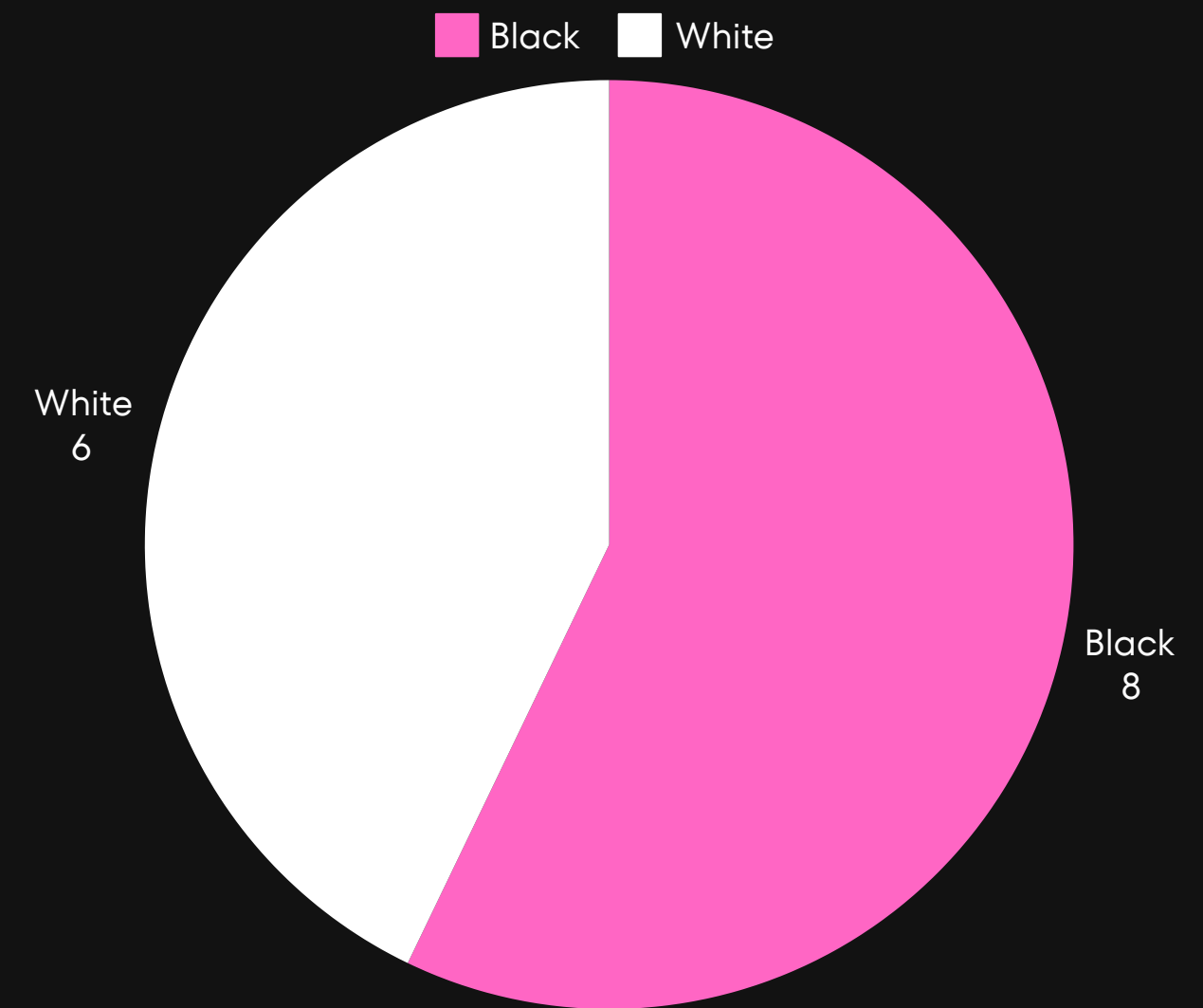
Why have you not began your **business journey**?

The main issue to not starting a business was not knowing how to use the time wisely.



What should the **main colour** of the **app** be?

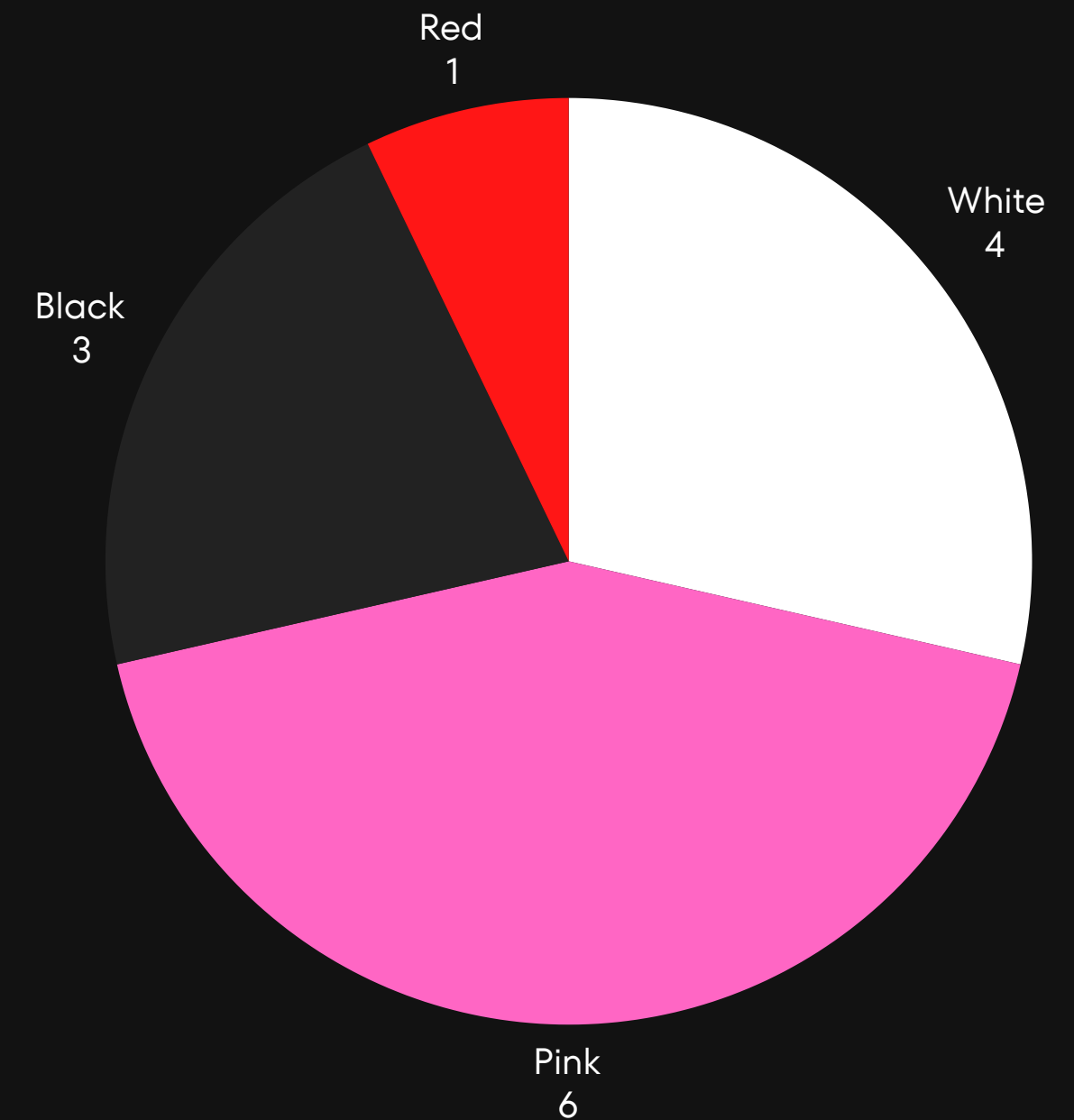
Black is the colour that the majority selected to be the main colour of the app.



Primary Research - Survey

What should the **secondary colour** be?

Majority suggested pink as the secondary colour.

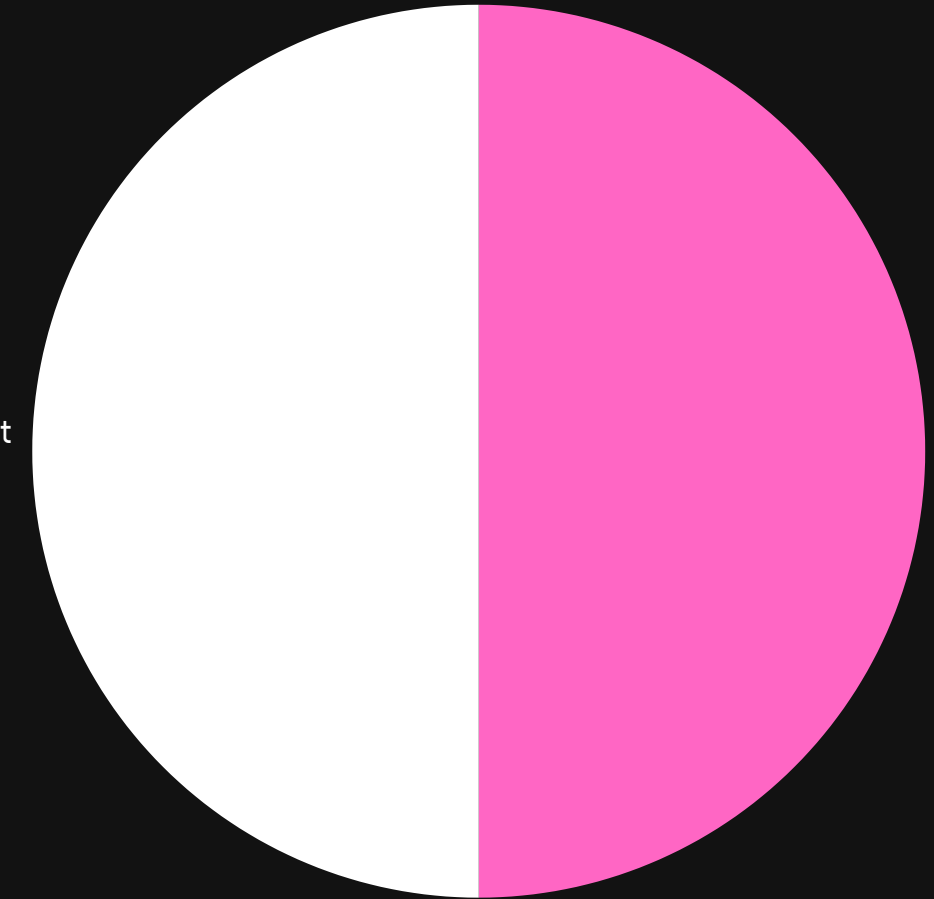


Primary Research - Survey

What would make it easier to **understand the amount of money you have remaining/spent in your budget?**

A mixed reaction for the type of infographics to be used to show spending and budget.

Bar Chart
7

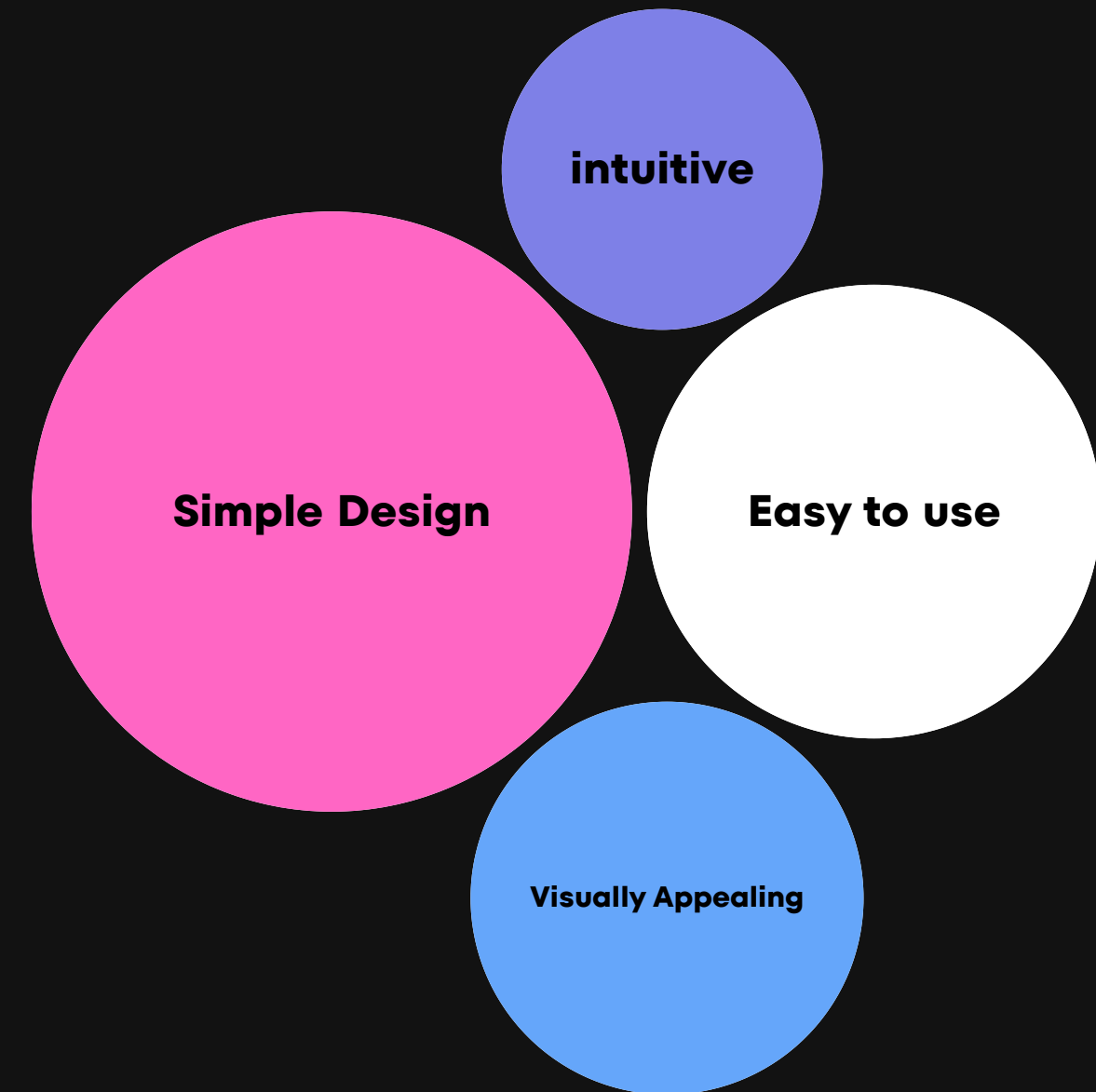


Pie Chart
7

Primary Research - Survey

How can the app be designed to make it part of your journey to **creating a business?**

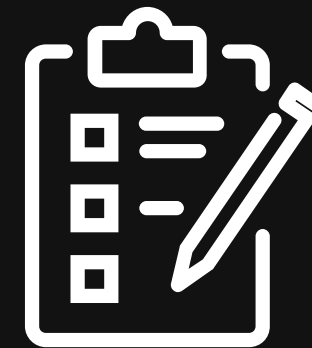
The popular value suggested is having a simple design and being easy to use.



Links between time management and work



On January 2024, reports suggest that the UK had around 66.33 million internet users. [6]



84% of people agree that create a time plan helps reach goals faster. [9]



It is reported by Total Jobs that workers will spend around 1hr 24minutes being unproductive; equates to £143 billion each year for British businesses.[7]



21% of work time is spent using social media, which equates to 49.4 days per year just on social media. [9]

Savings?



The average person in the UK follows the 50,30,20 rule - which means half of their earnings is saved, 30% is spent on subscriptions or shopping with the remain being used to pay debts or added savings.[12]



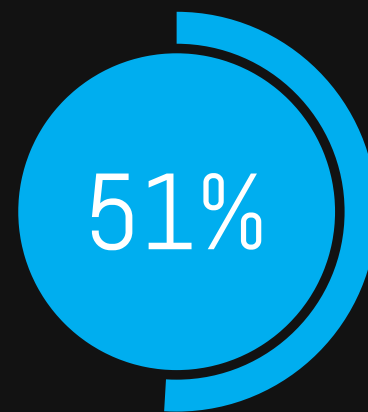
56% of millennials (27-42) are like to prioritise saving some money for emergencies. [13]

The 'ideal' entrepreneur

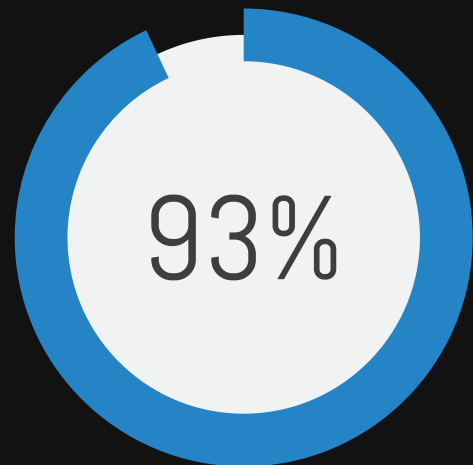


The average age of an entrepreneur in the UK is 40.[9]

Average salary of an entrepreneur in the UK is £56,332.[10]



Around 51.2% of the entrepreneurs in the UK use on average £5000 to start a business and around 24.3% are able to use around £1000. [9]



Entrepreneurs in the UK are white with around 7% of the entrepreneurs are from ethnic minorities. [9]

Usman Khan
21327080

Competitor Analysis

GoodBudget

Founded: 2009

Strengths

- Affordable
- Supports multiple devices
- Provides a report of amount spent.
- Able to import bank transactions into the app
- Simple user interface

Weaknesses

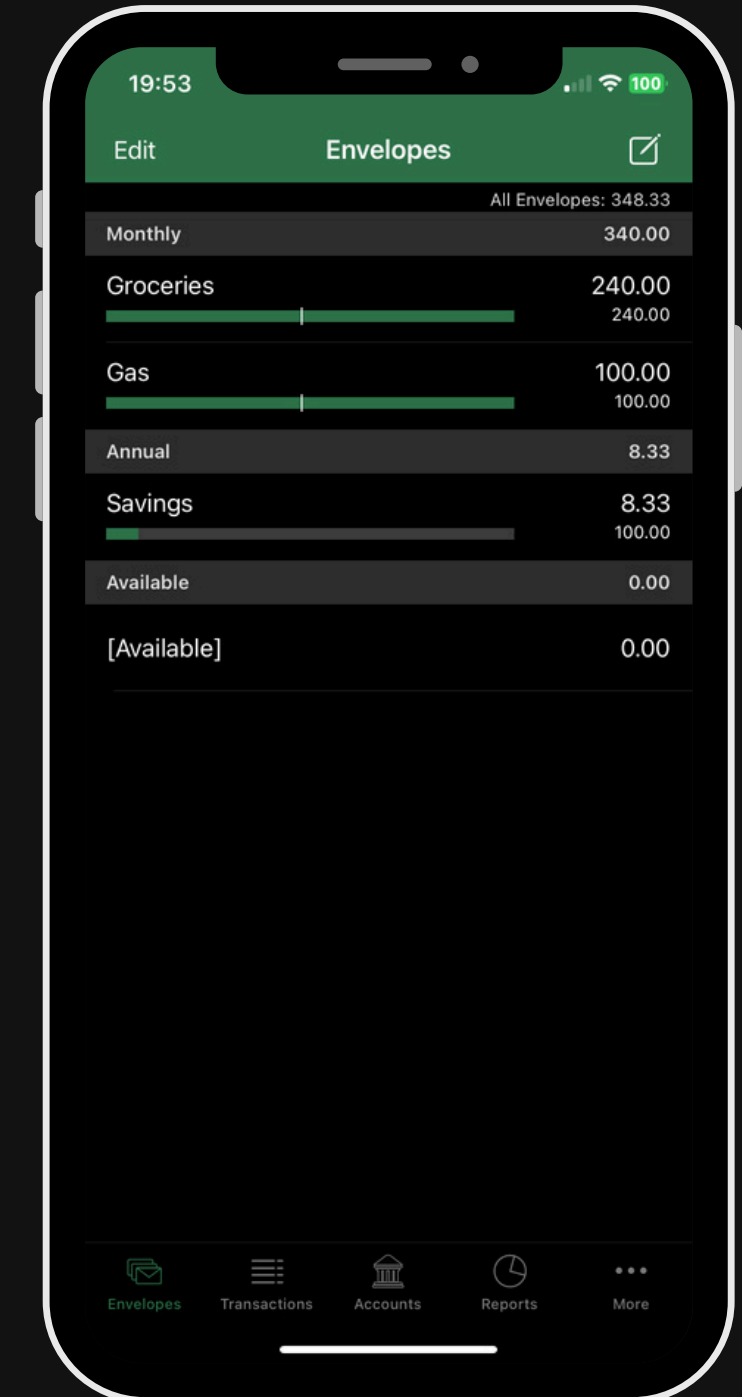
- Users have to manually input expenses, which requires effort to do.
- Free version, has limited features.

Price

Free, but has paid version costing £6.99

Unique Features

- Transaction History
- Financial Dashboard - showing information budget, amount spent and other information



Usman Khan
21327080

Competitor Analysis

Toggl Track

Founded: 2006

Strengths

- Cross-platform compatibility, allowing users to switch to another device and tasks/time tracking is synchronised across.
- Easy to use / user friendly interface.
- Idle time detection- ensuring you get back to complete a project

Weaknesses

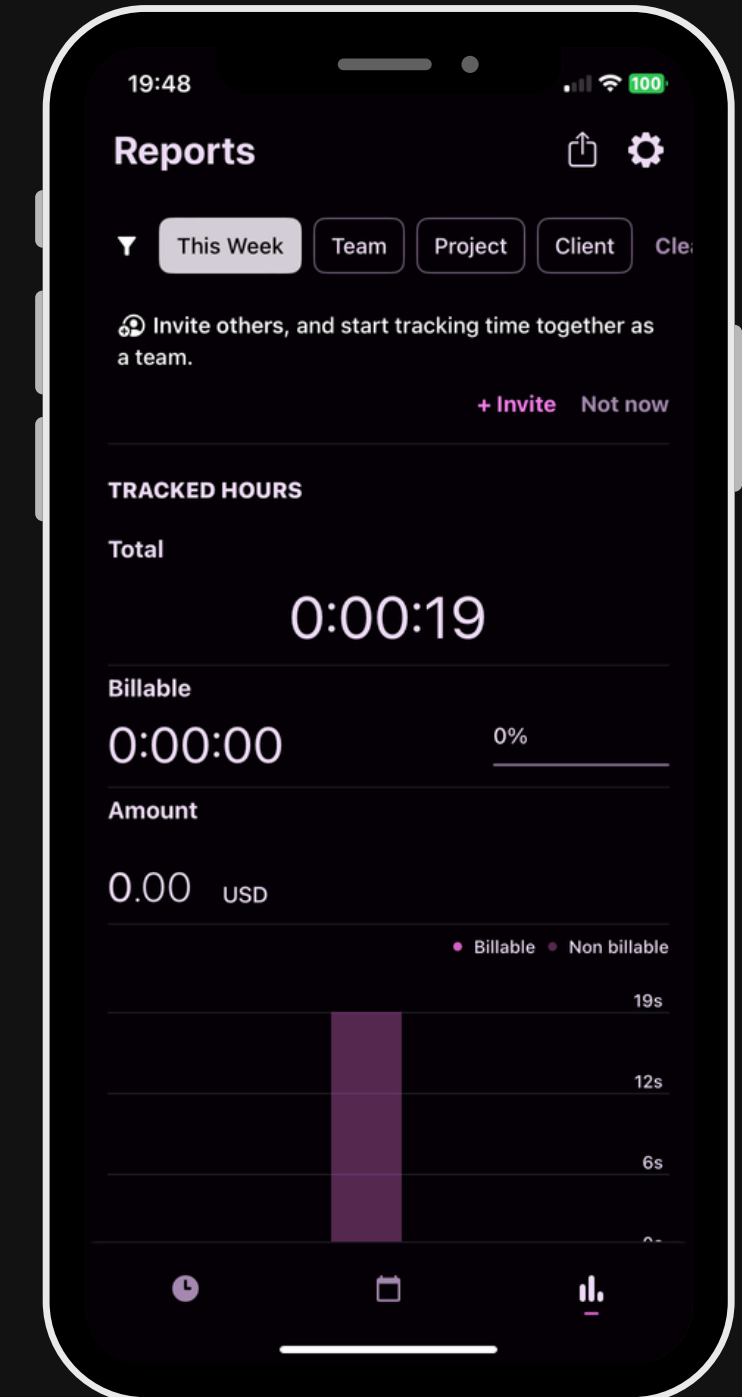
- Paid plans can be expensive for the main purpose of the app.
- Unable to pause sessions, need to end the session and restart.
- Easy to forget that timer is running - time is inaccurate to the amount of work actually carried out.

Price

Free, also has paid version costing \$10 to \$20

Unique Features

- Offline Tracking
- Chrome and Microsoft Edge browser extension
- Track app and browser activity



Usman Khan
21327080

UX Artefacts

Persona

Sam Matthews



"Do what you love, and success will follow. Passion is the fuel behind a successful career."

Age: 40
Work: Design Manager
Status: Married
Location: London

Most used apps/software

- Facebook
- Excel
- Snapchat
- Instagram
- Monzo - mobile banking

Personality Traits

Determined

Creative

Enthusiastic

Ambitious

Eager

Passionate

Challenges

- Ineffective solutions
- Difficulty finding tailored resources or information
- Difficulty knowing the competitors in the same field of the industry
- Finding it difficult to balance creativity with production costs and market demand

Bio

Sam Matthews is an enthusiastic design manager for a retail organisation, he lives with his wife and their cat in an apartment within London. As a design manager, Sam overlooks the designs that will be finalised before being produced into clothing. However, he feels that he can use the knowledge that he has learnt from the current job and embark in a new career, which he sees to starting his own brand that will provide eco-friendly clothing and using the design knowledge into creating unique designs that will attract customers whilst also not harming the planet by using sustainable materials. However, Sam does not know where to begin when it comes to starting a business as he doesn't know if he has enough money to start it along with knowing where the time should be focused on.

Goals & Motivations

- Launch his own eco-friendly clothing brand
- Navigate the complexities when starting a business
- Be able to track finance
- Able to set goals in order to monitor progress
- Passion for sustainability
- Personal fulfillment

Values

- Creativity
- Learning
- Authenticity
- Accessibility
- Long-term success
- User-friendly interface
- Continuous growth

Pain Points

- Limited resources
- Lack of business knowledge
- Feeling overwhelmed with information that is not reliable
- Balancing tasks and responsibilities

User Journey

Task: Add a transaction and an event.	Create an account	Create a business account	Review summary	Navigate dashboard to transaction page	Add transaction	Add an event reminder on calendar
Task Step (Expected steps)	The user chooses 'Sign up' and inputs personal information to create account.	The user once they have created an account for the app will then be able to create create a business account.	Once the account has been created, users are able to review the data given by the app and can use it as help.	The user is on the dashboard (homepage) of the app and can navigate using the navigation bar at the bottom of the page.	Once on the transaction page, user is able to input a transaction and then see how that effects the budget along with the categories of the budget.	The user is able to then access the calendar page using the navigation bar, click on 'Add Event' and then be able to add the event to the calendar for future reminders.
Actions Taken (What actually happend?)	The user was able to select 'Sign up' and input personal information to create an account.	The user was able to create a business account where they will be able to get help from the AI within the app.	The user was able to create an account and review the data given by the app.	The user was able to select the transaction page using the navigation bar at the bottom of the page.	The user was able to add a transaction and see the impact it has had on the budget.	The user is able to access the calendar page to input an event and add that to their upcoming events.
Issues (What were the issues)	There were no issues with this step.	For this step there were no issues.	When reviewing the app they were overwhelmed with the amount of data given by the app that they skipped the information given.	There were no issues with this step, worked as expected.	The user ran into some issues with knowing that the categories could scroll horizontally to see the correct category of transaction.	The issues users faced is that they first selected the dates before creating 'Add Event' which is where they have to then select the days.
Emotions (Mood Meter)						
Possible Solutions (How can you iterate your design to avoid these issues?)	There is no improvements needed for this step.	There is no need for improvements when it comes to this step.	Instead of having too much text, can instead have infographics which will make the user experience better.	There is no improvements or suggestions needed for this step of the journey.	An improvement that can be suggested is to have a scroll bar that indicates you are able to scroll.	To improve this step is to allow users to select the days before needing to create 'Add Event' to add it to the calendar.

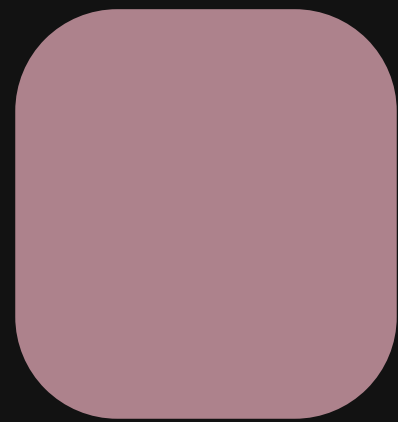
Usman Khan
21327080

Style guide

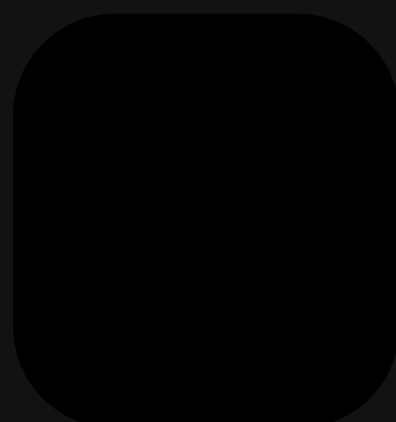
Style guide

Colours

Primary Colours



#AD828C



#000000



#FFFFFF

Secondary Colours / Accents



#D15873



#B8B8B8



#D15873

Style guide

Typography

Share tech

Body Text

Font size - 18px
up to 23px

Share tech mono

Heading Text

Font size - 35px

Typography Imagery

AI Vision **Share tech mono**
This is an app designed for
entrepreneurs who want to start a
business but don't know where to
begin.

Share tech

Style guide



Logo



What is needed?

- Logo needs line going through puzzle.
- 'A' needs to just be the outline, no line going through
- Need to have a puzzle - brand identity of the app is the missing piece.

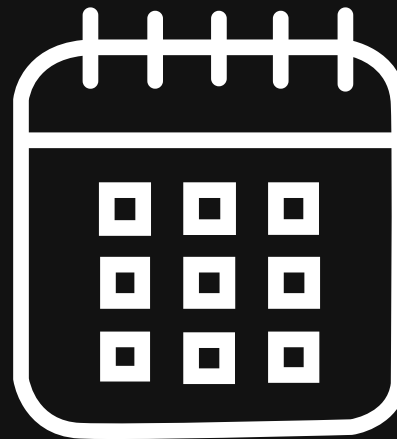
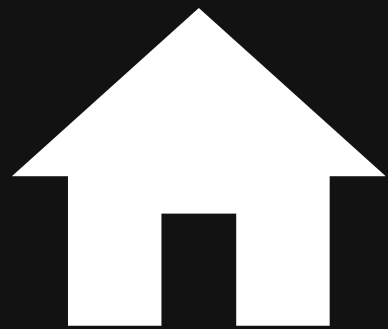
Variations



Icons and Buttons

Style guide

Icons Examples



Buttons Example



What is needed?

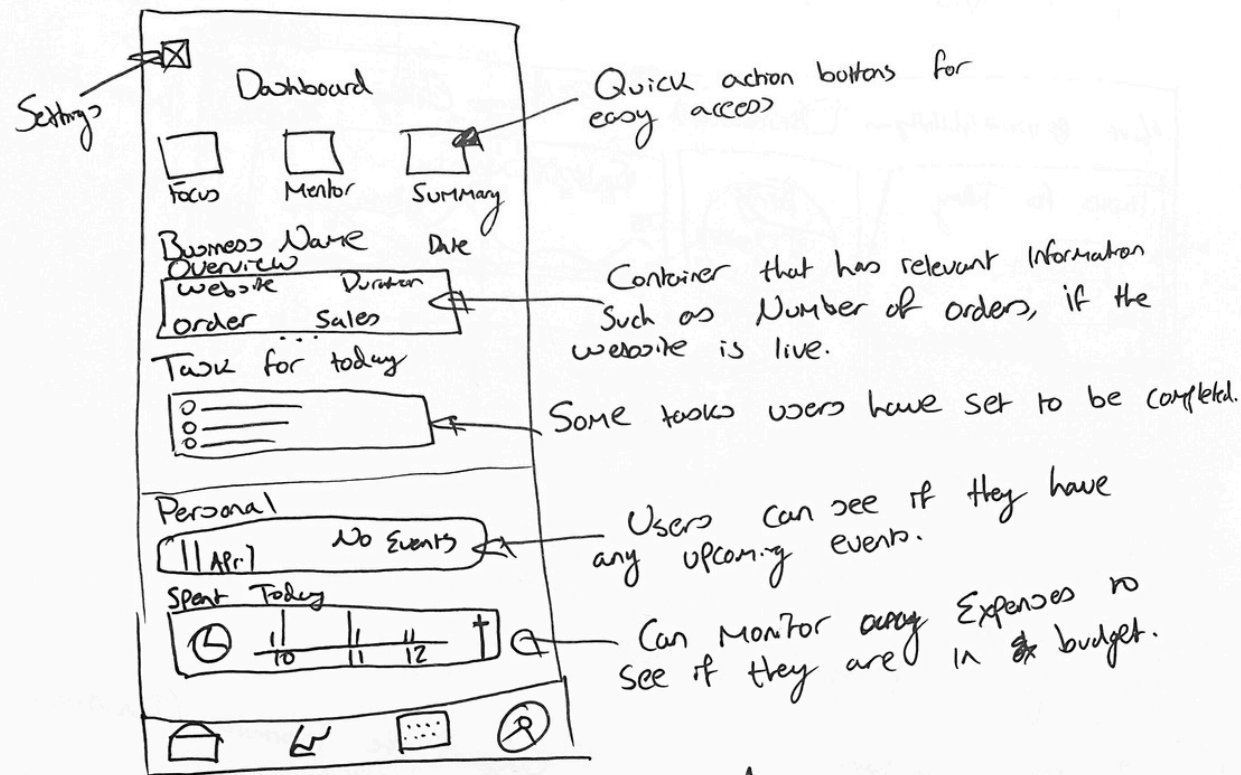
- Icons need to be vectors
- SVG file type to get best quality
- Buttons should be either pink, black or white to be distinctive and cannot be similar colour to background.

Usman Khan
21327080

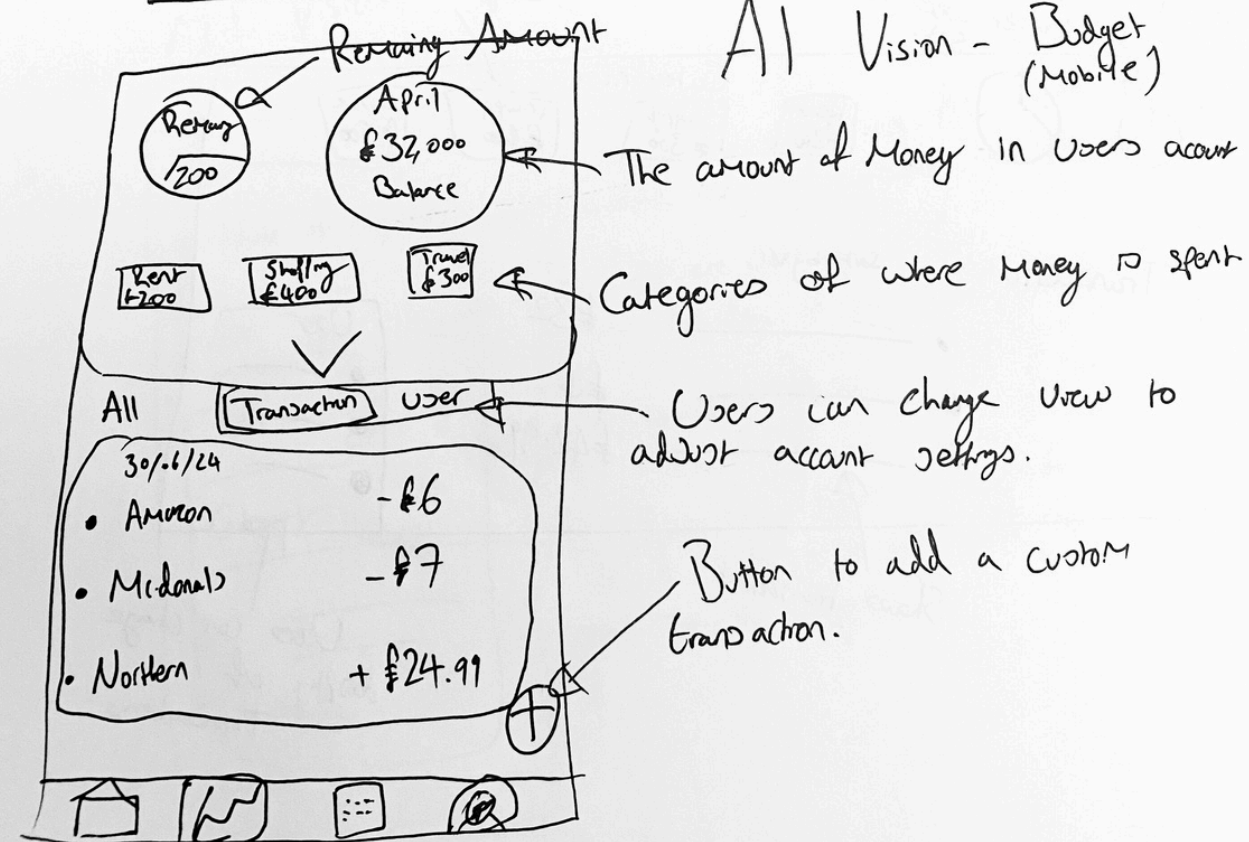
Sketches

Sketches - Mobile

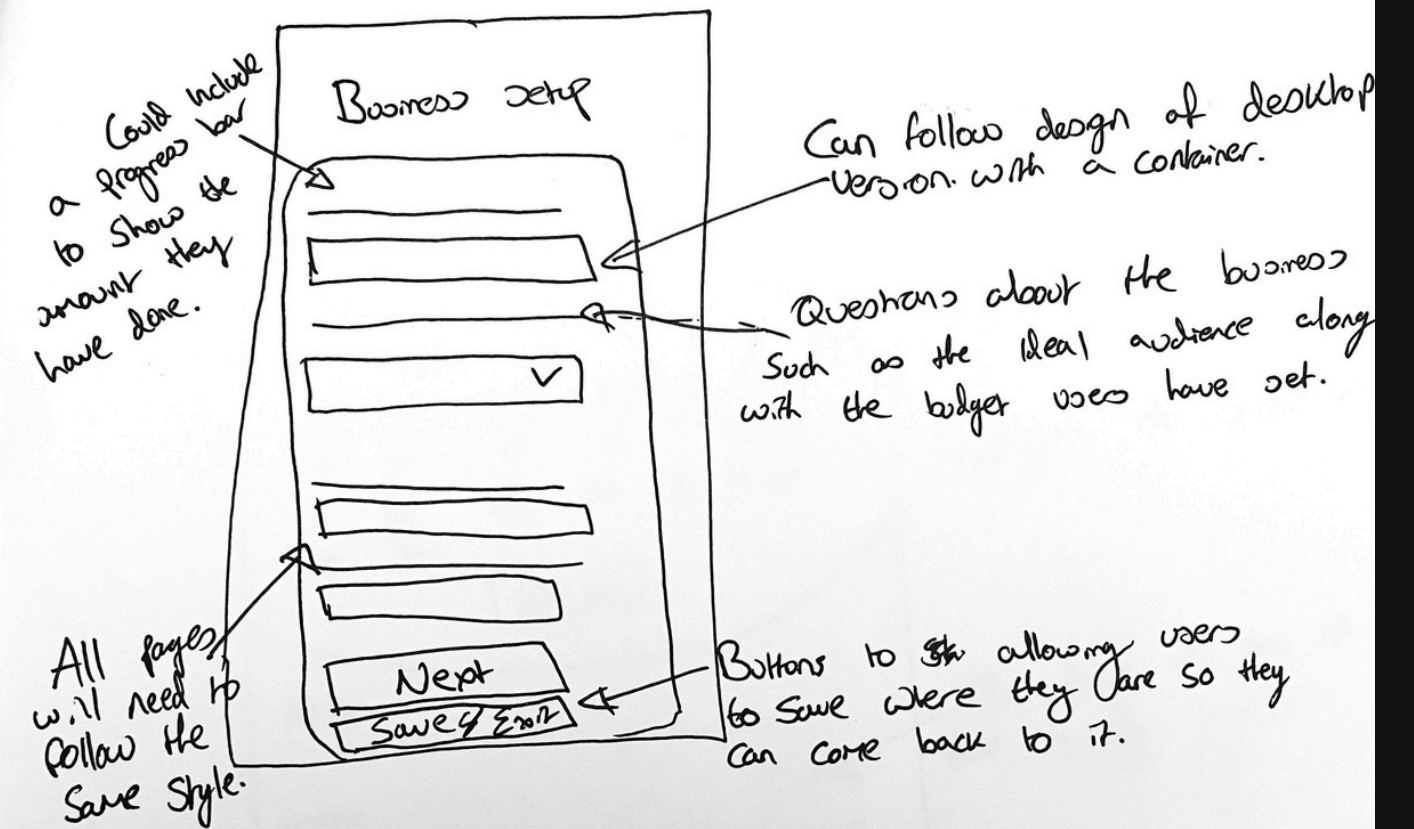
AI Vision - Dashboard (Mobile)



AI Vision - Budget (Mobile)

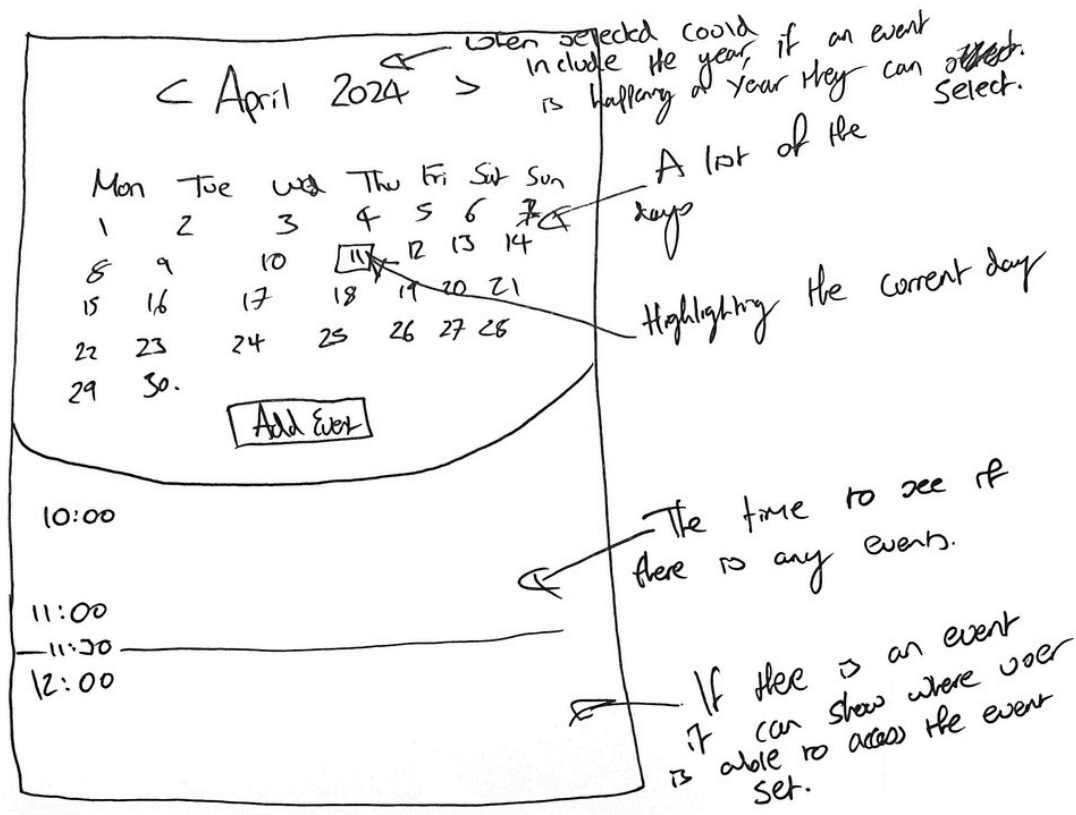


AI Vision - App Process Business

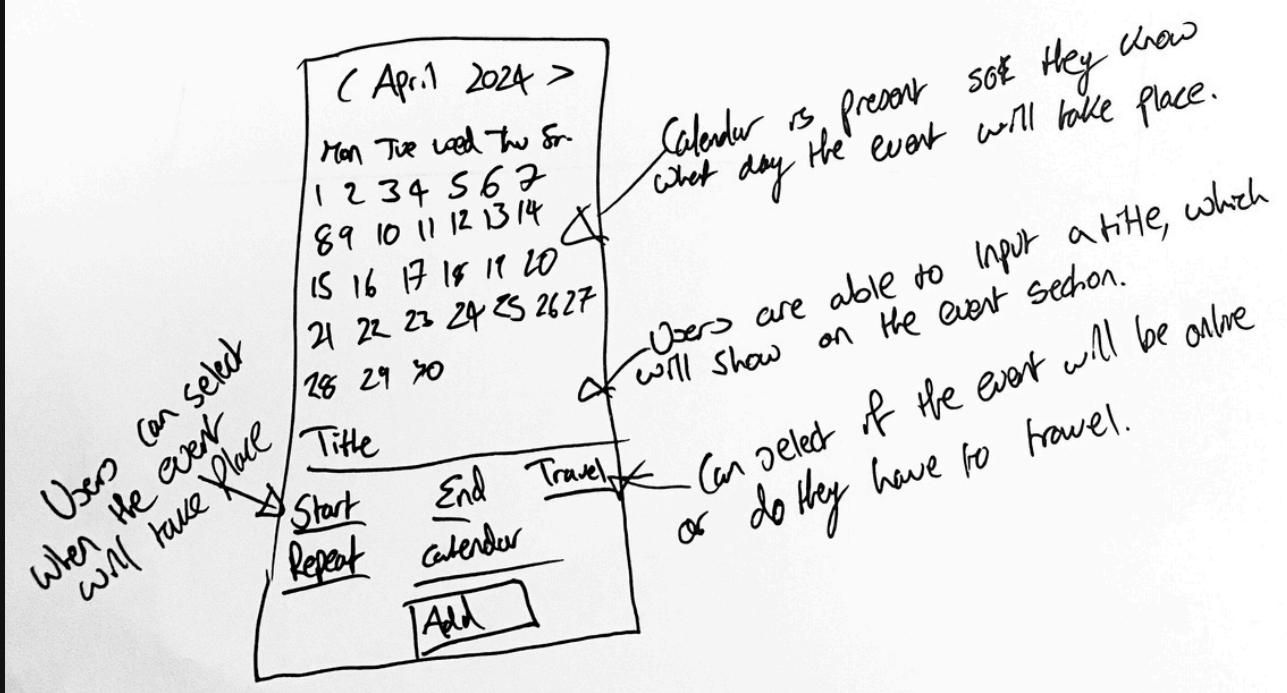


Sketches - Mobile

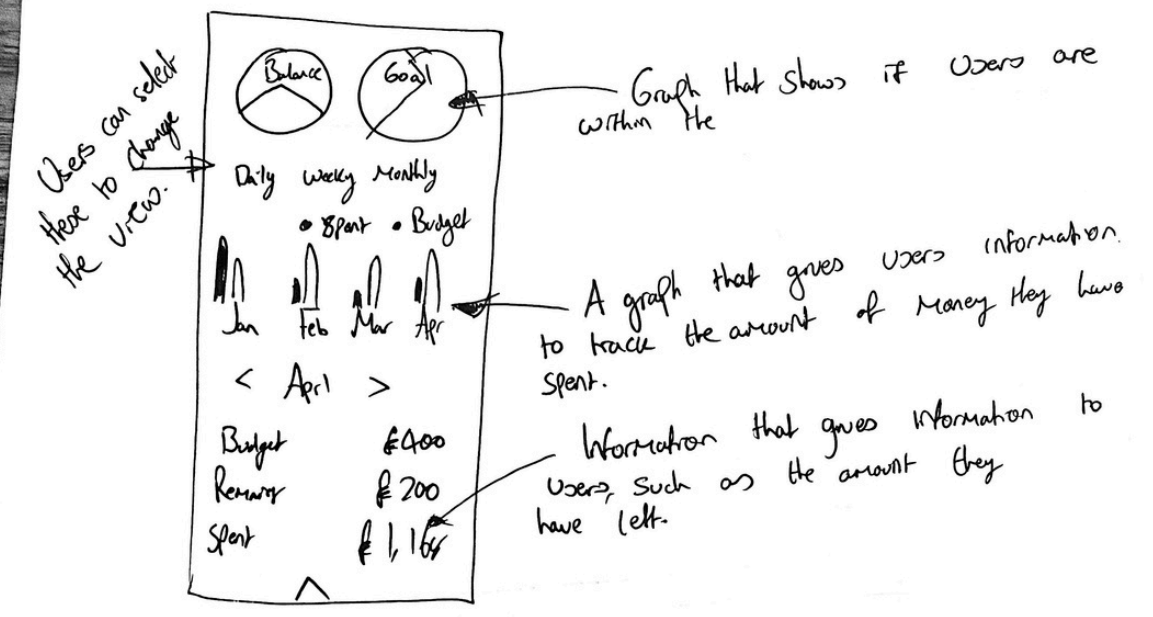
AI Vision - Calendar (APP)



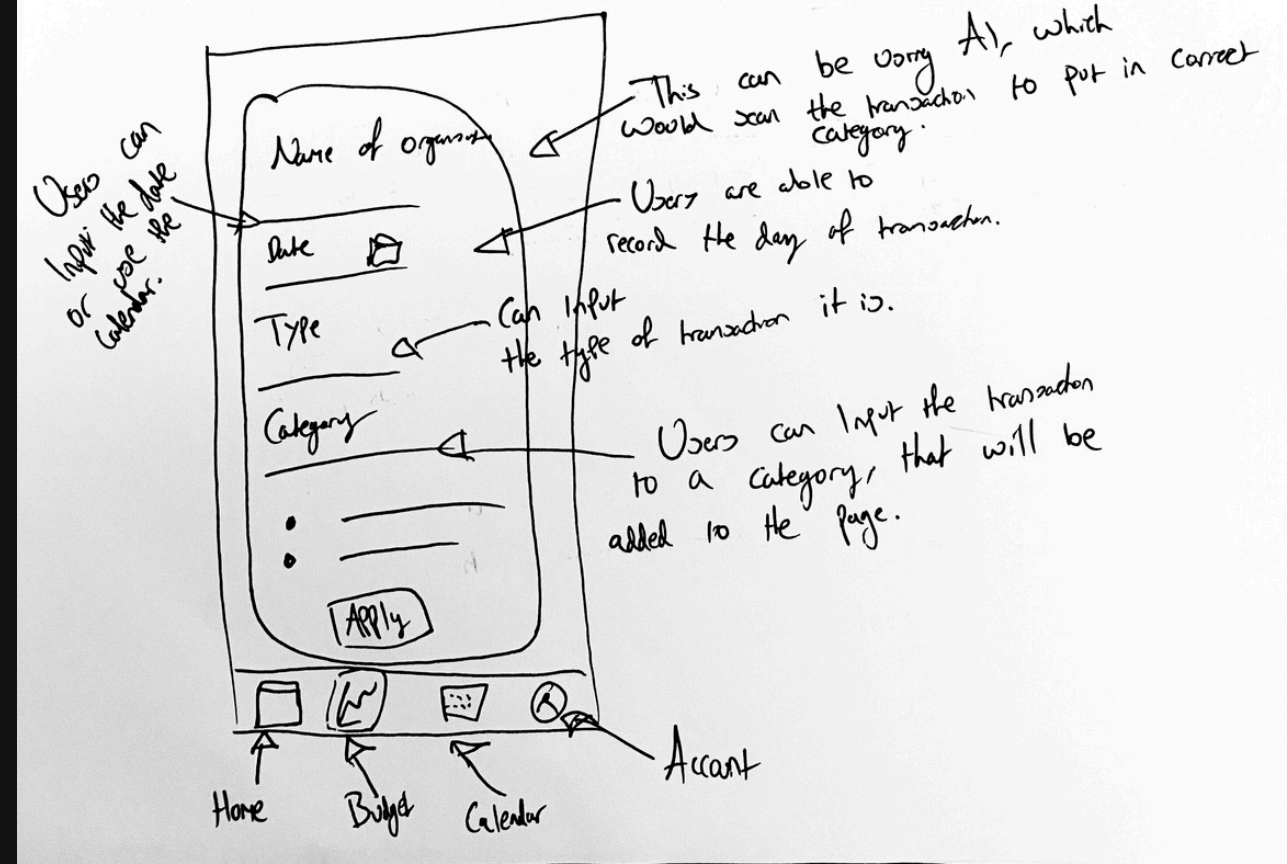
AI Vision - Calendar adding Event



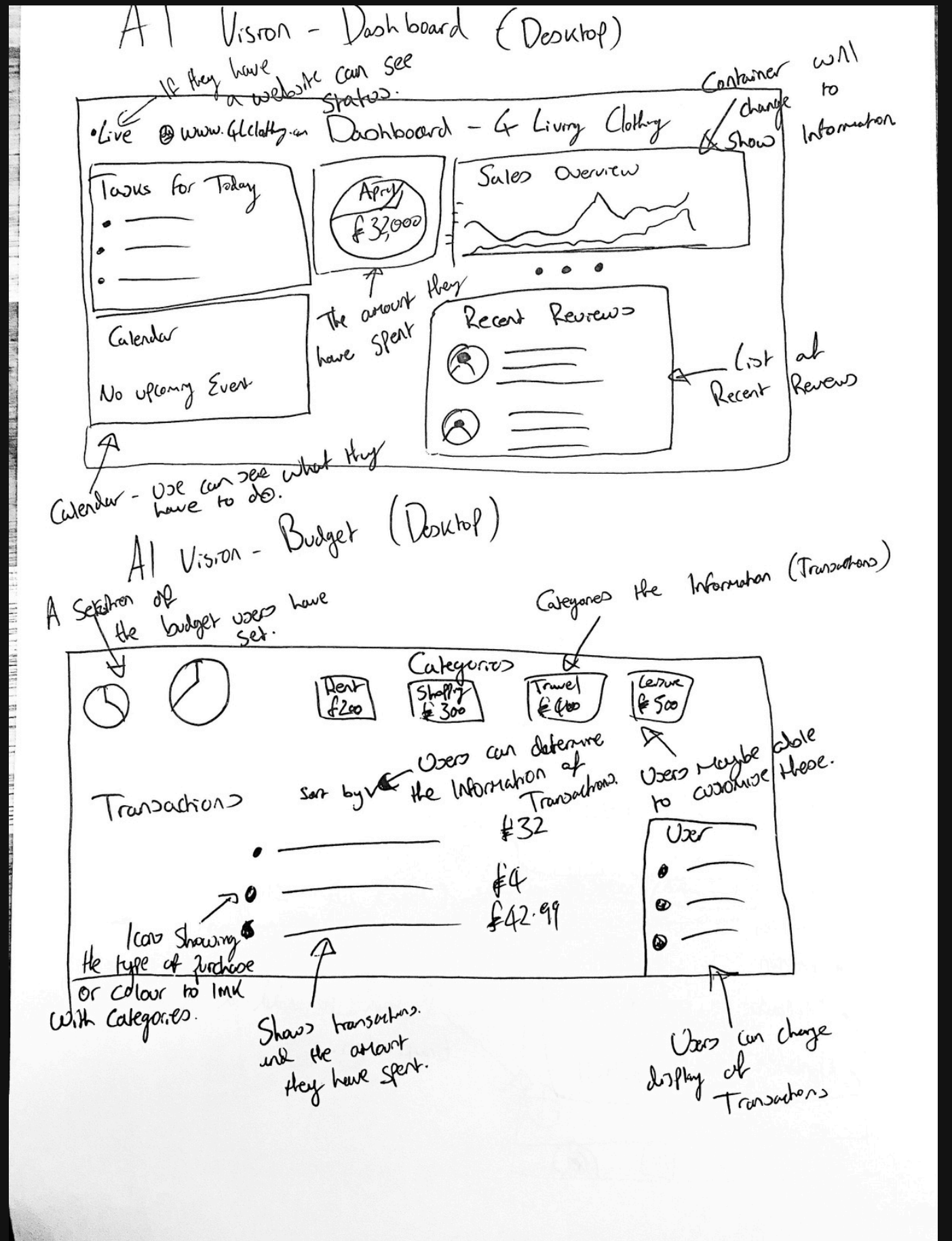
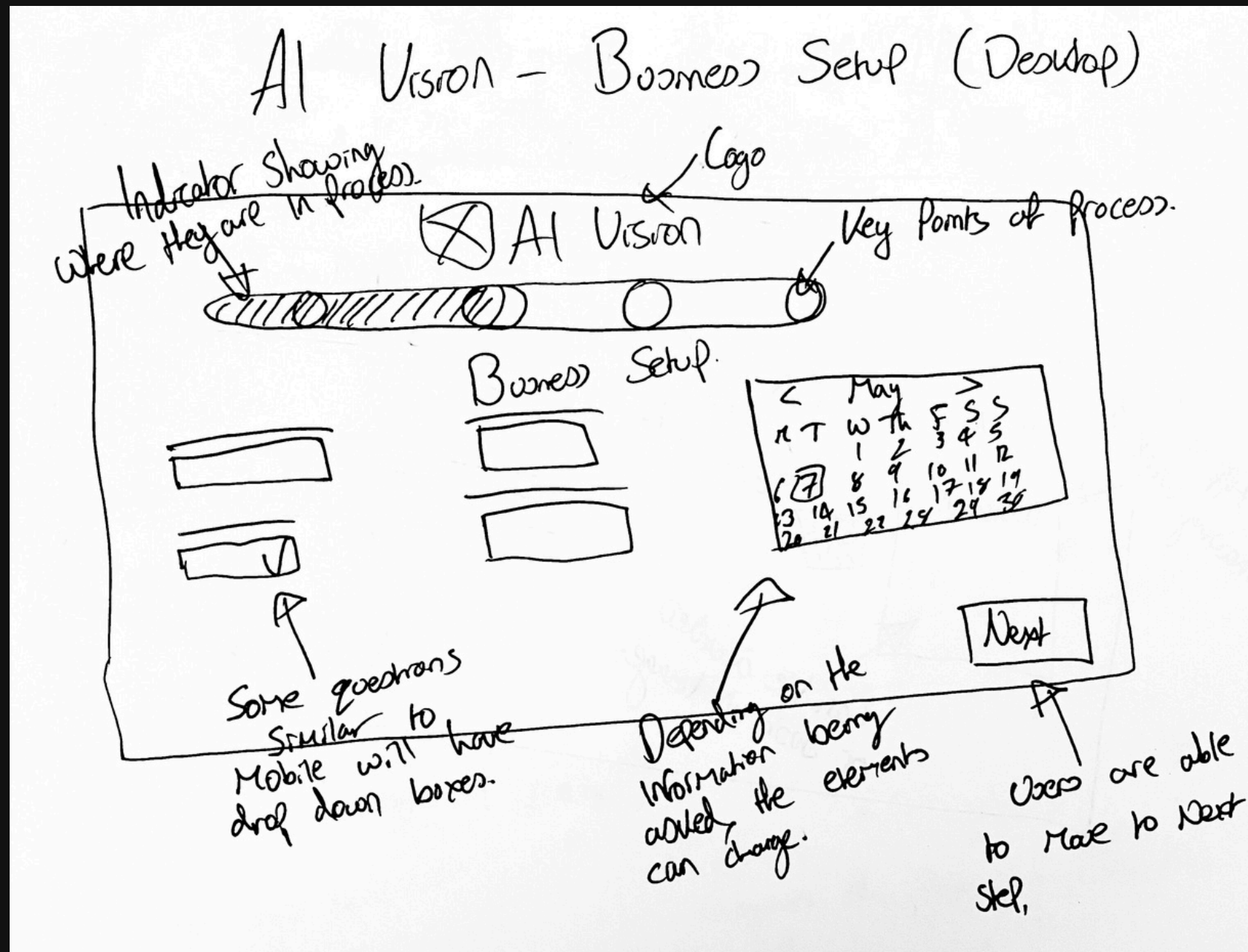
AI Vision - Budget Page



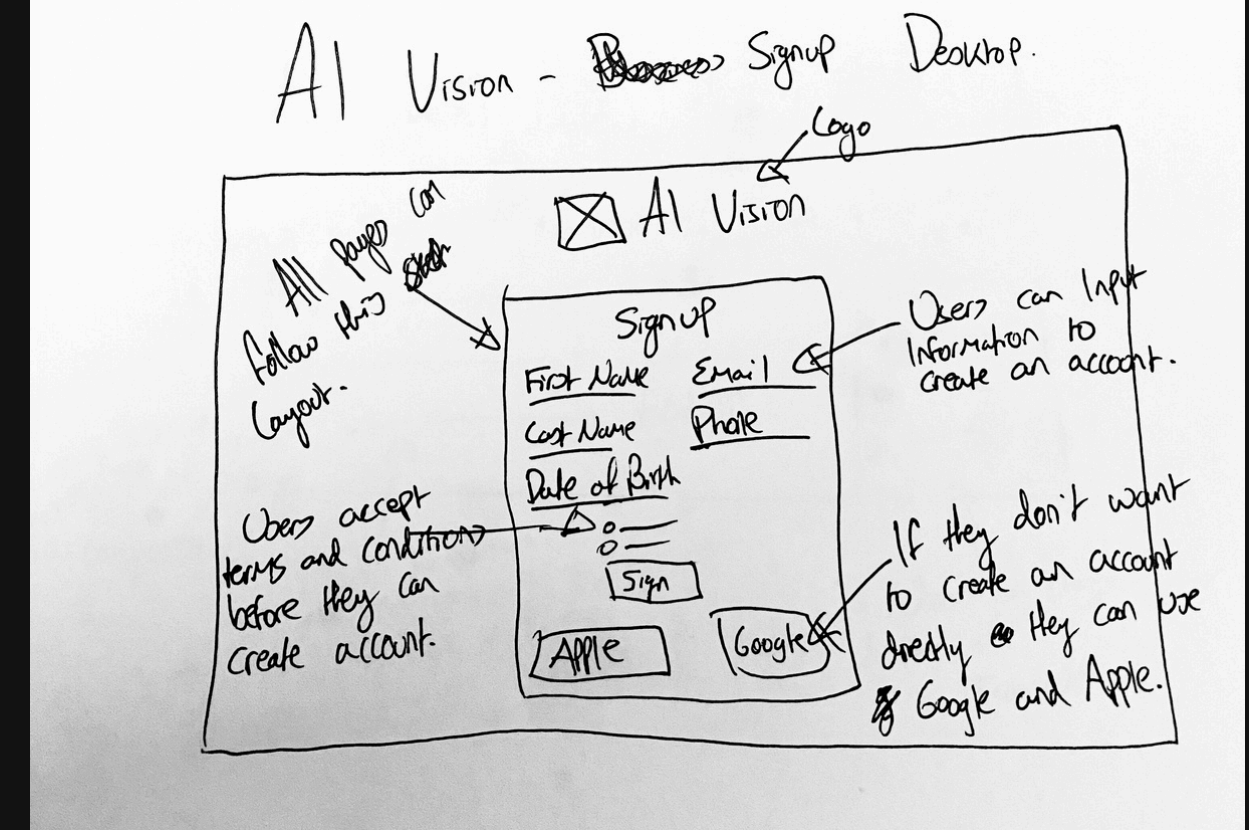
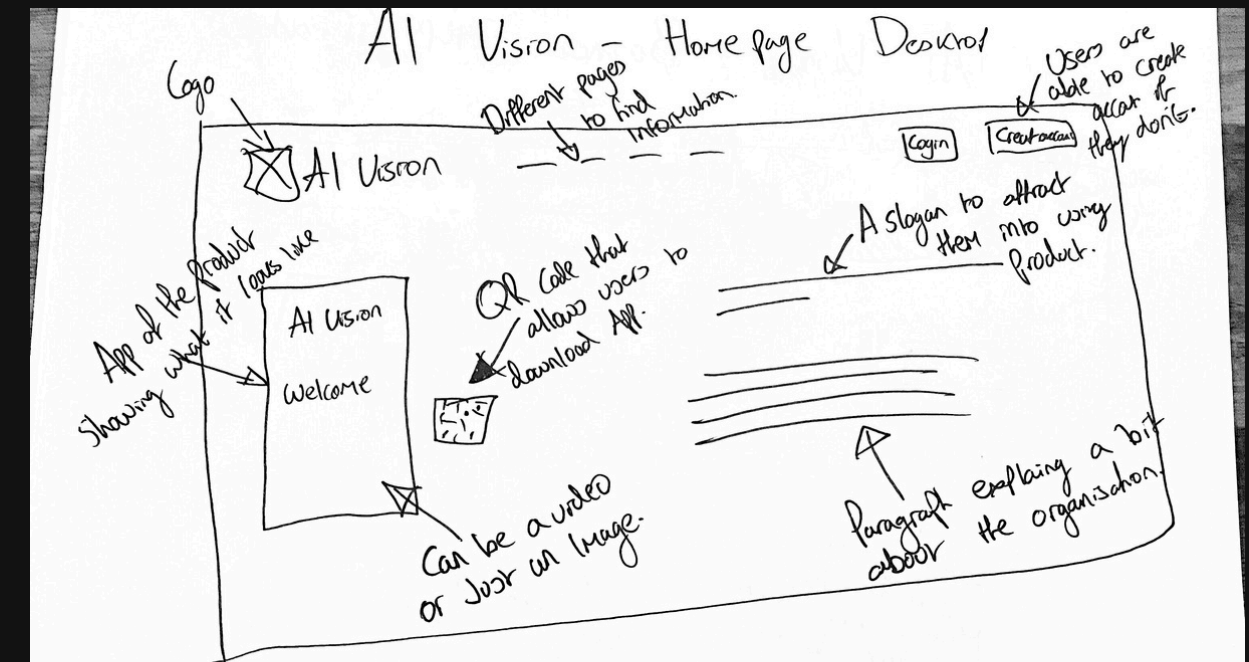
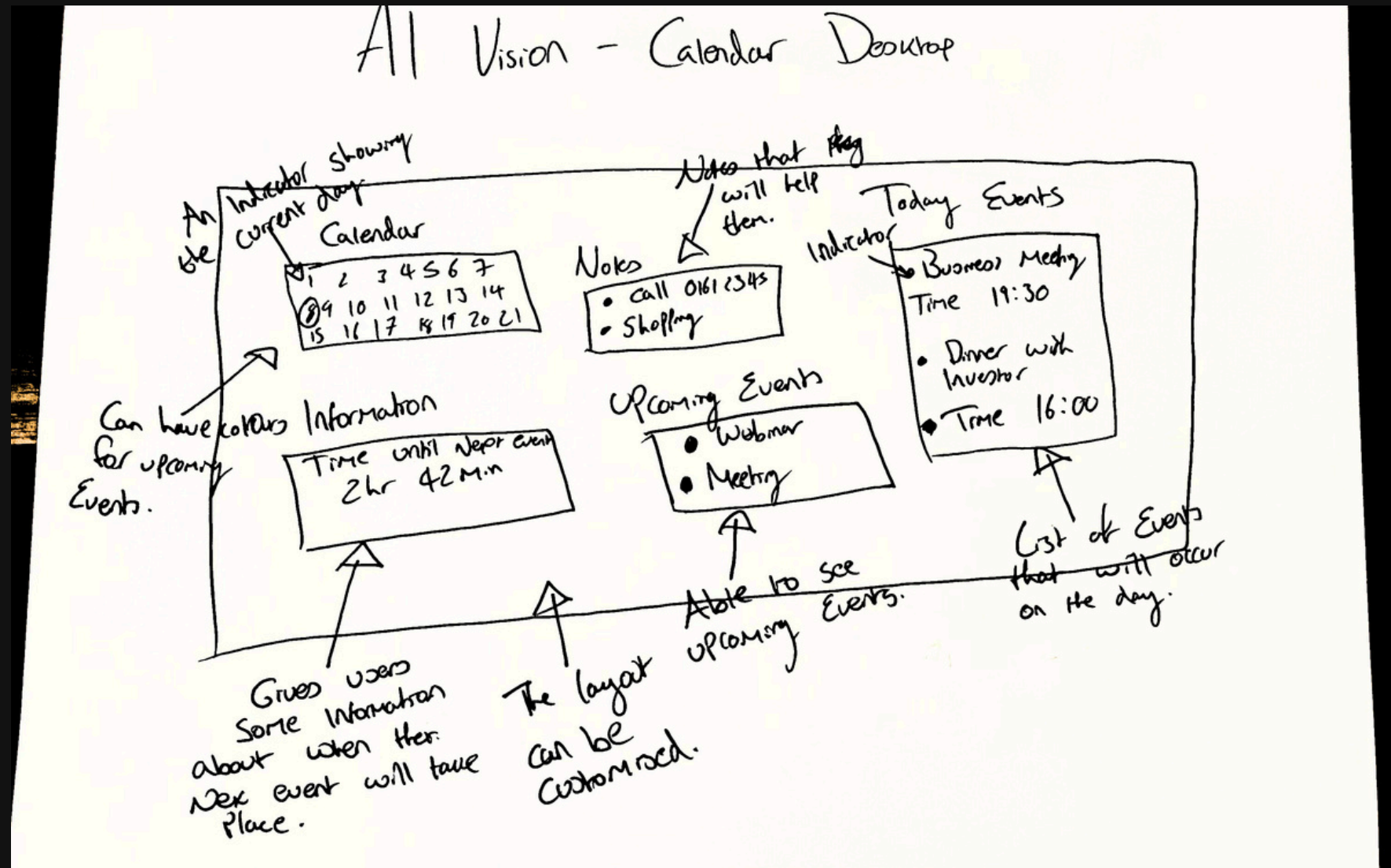
AI Vision - Transactions (Add) (Mobile)



Sketches - Desktop



Sketches - Desktop



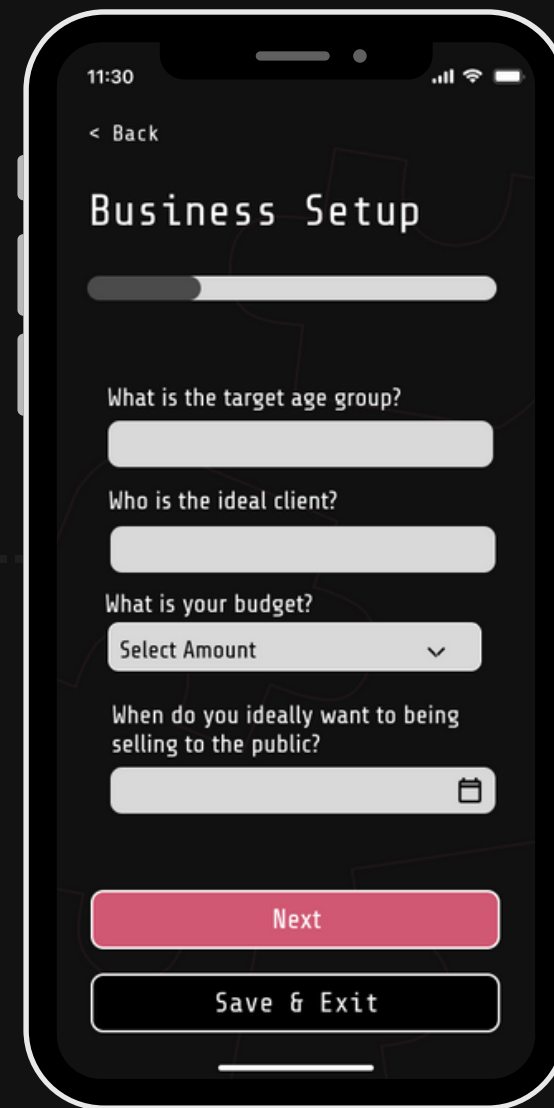
Usman Khan
21327080

View
Prototype

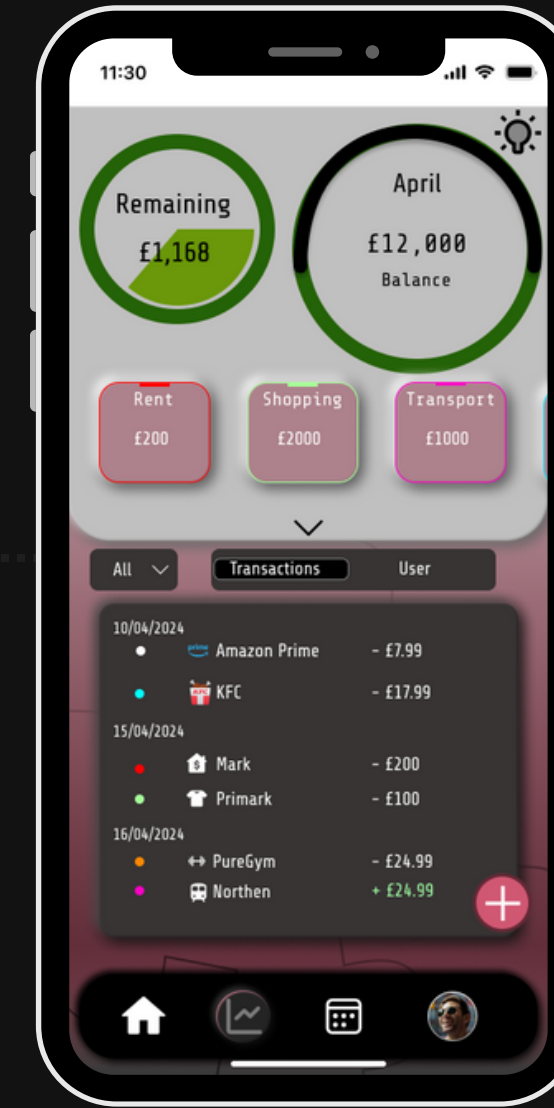
High Fidelity Prototype - Mobile



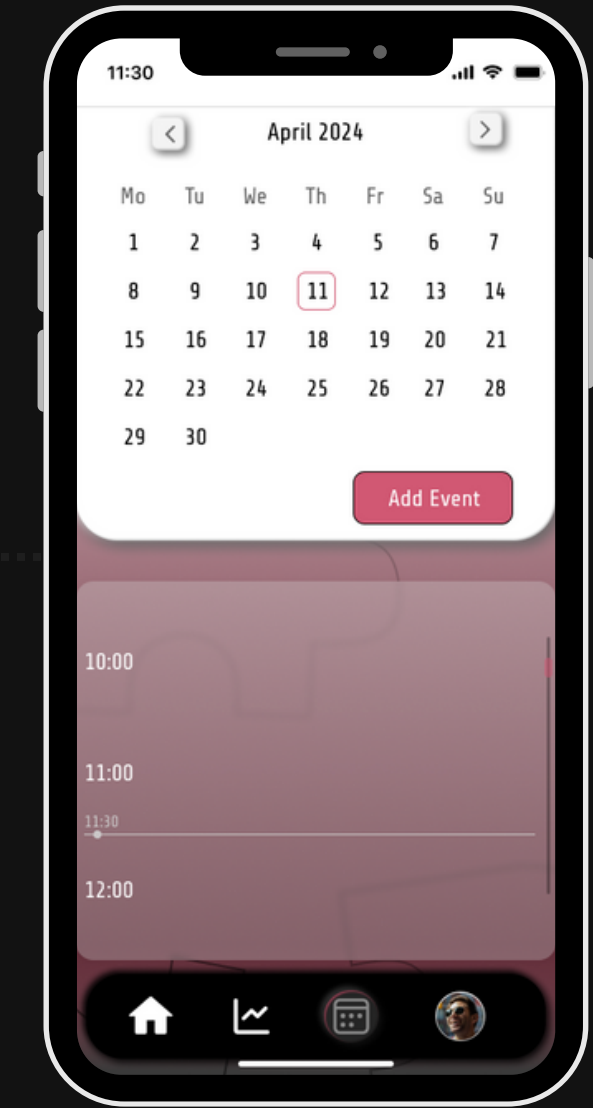
Dashboard



Business setup



Transaction



Calendar

Usman Khan
21327080

View
Prototype

High Fidelity Prototype - Mobile



Adding Event

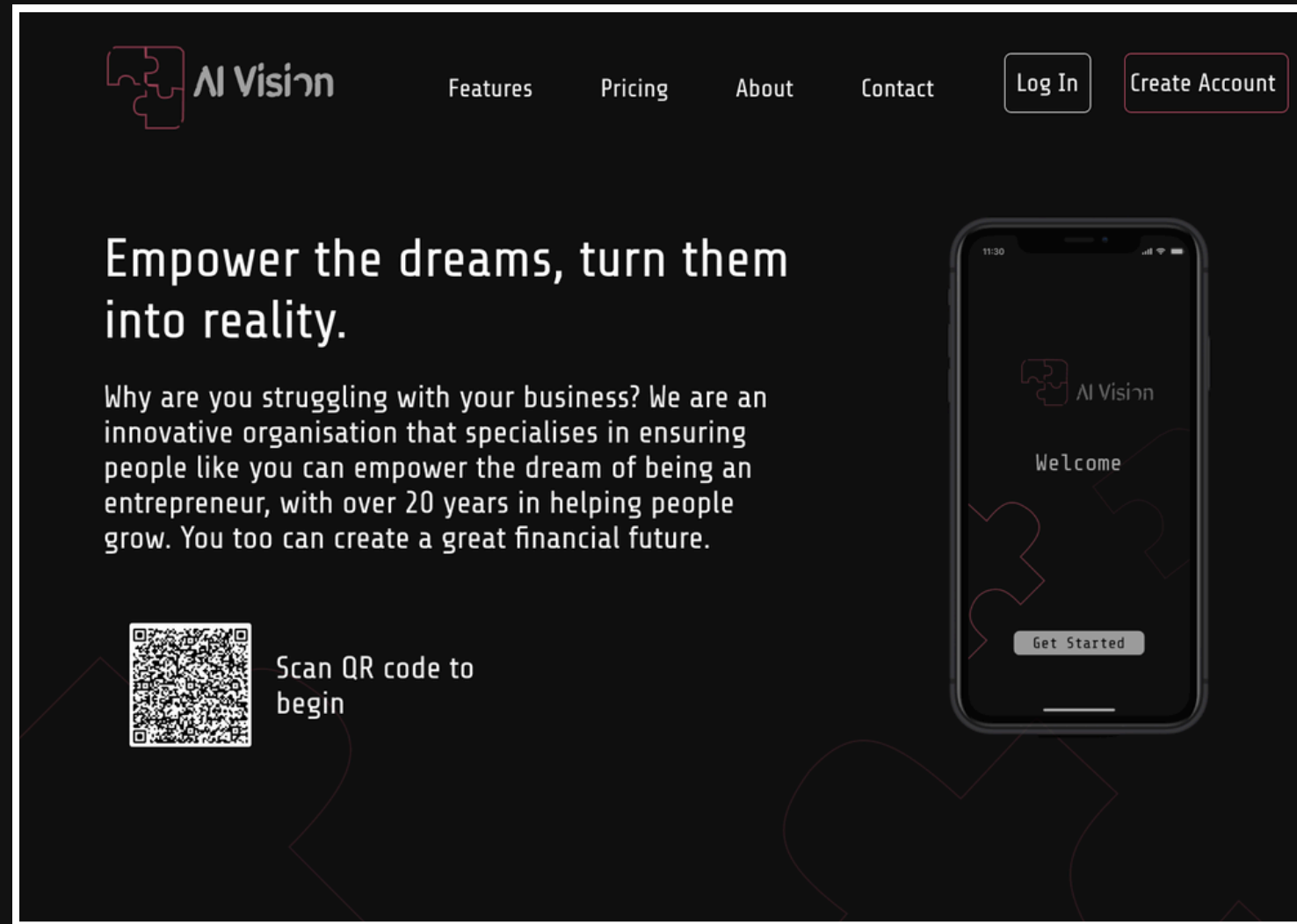


Budget

The screen shows a transaction form. Fields include Organisation (Alibaba), Date (18/04/2024), Type (Direct Debit), and Category (Select Category). There is an Amount input field. At the bottom, there are two radio buttons for agreement: 'I agree that the information above is correct' and 'I have read the Terms and Conditions'. A red 'Apply' button is at the bottom right.

Adding Transaction

High Fidelity Prototype - Desktop

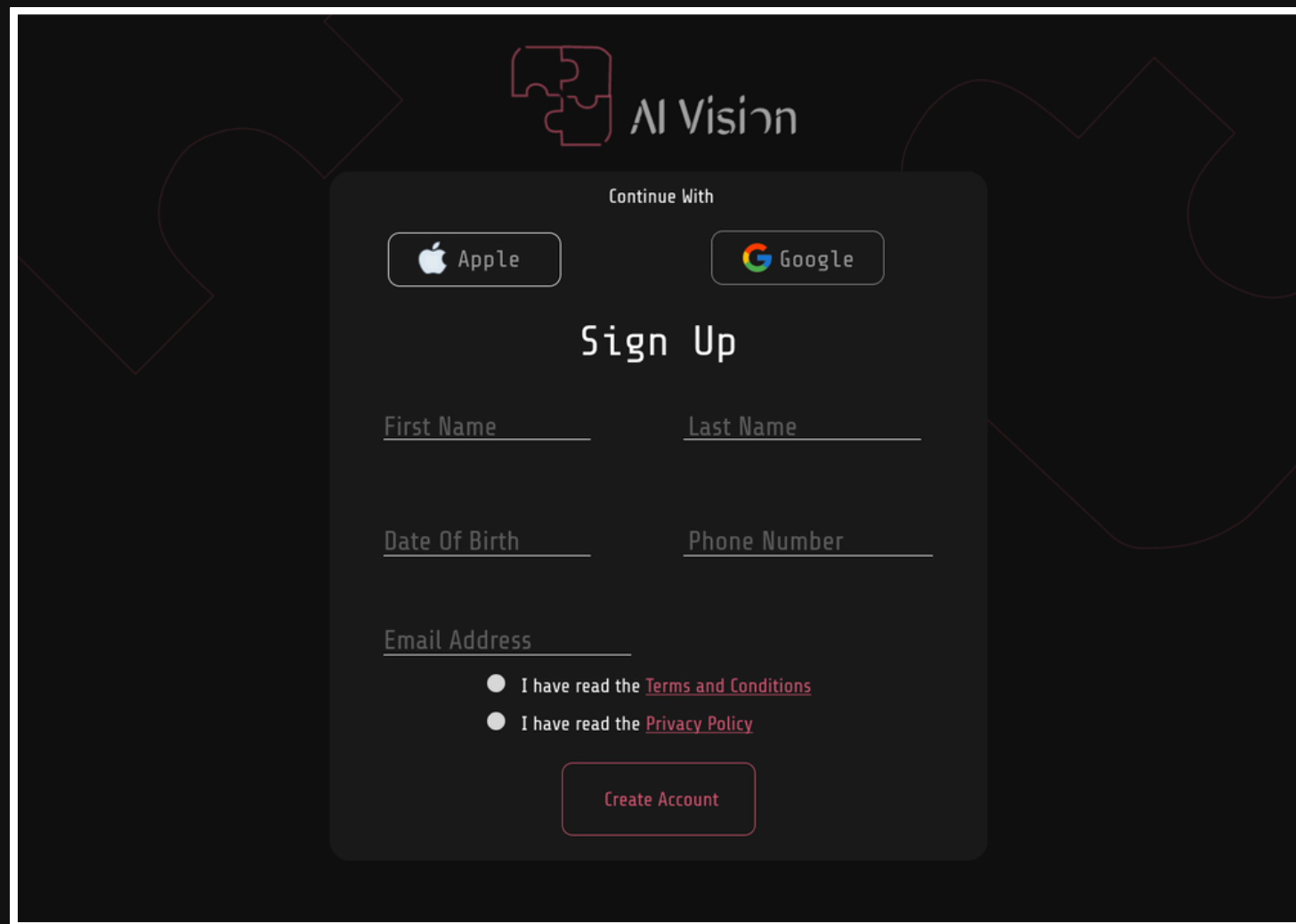


Homepage



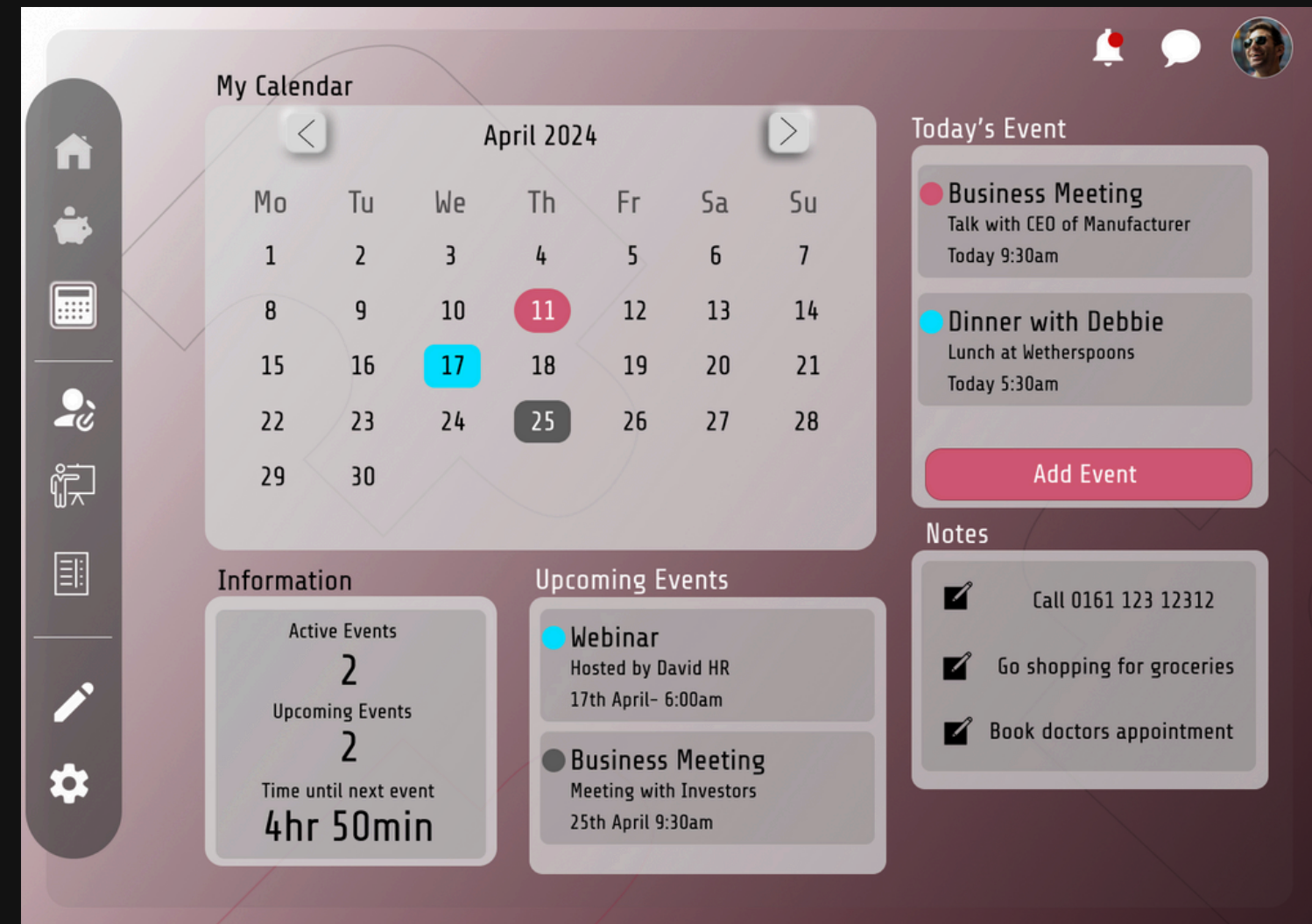
Dashboard

High Fidelity Prototype - Desktop



The sign-up form for 'AI Vision' features a dark theme. At the top, the logo consists of three interlocking puzzle pieces followed by the text 'AI Vision'. Below the logo, there are two buttons for 'Continue With' using 'Apple' and 'Google' logos. The main heading is 'Sign Up'. The form includes input fields for 'First Name', 'Last Name', 'Date Of Birth', and 'Phone Number'. An 'Email Address' field is also present. At the bottom, there are two radio buttons for terms and conditions: 'I have read the Terms and Conditions' and 'I have read the Privacy Policy'. A 'Create Account' button is located at the bottom right of the form.

Signup



The calendar dashboard has a dark theme and a sidebar with navigation icons: Home, Profile, Calendar, Add Event, My Profile, My Events, My Notes, and Settings. The main content area is divided into several sections:

- My Calendar:** A monthly calendar for April 2024. The 17th is highlighted in blue, and the 25th is highlighted in grey. The 11th is highlighted in red.
- Today's Event:** A list of events for the current day. The first event is 'Business Meeting' (Talk with CEO of Manufacturer) at 9:30am. The second is 'Dinner with Debbie' (Lunch at Wetherspoons) at 5:30am. An 'Add Event' button is below the list.
- Information:** A summary box showing 'Active Events: 2', 'Upcoming Events: 2', and 'Time until next event: 4hr 50min'.
- Upcoming Events:** A list of upcoming events. The first is 'Webinar' (Hosted by David HR) on 17th April at 6:00am. The second is 'Business Meeting' (Meeting with Investors) on 25th April at 9:30am.
- Notes:** A list of notes with checkboxes. The notes are: 'Call 0161 123 12312', 'Go shopping for groceries', and 'Book doctors appointment'.

Calendar

High Fidelity Prototype - Desktop



Budget



Business setup

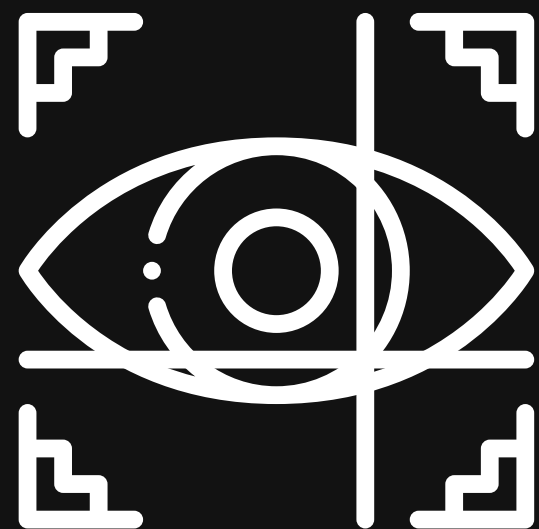
Usman Khan
21327080

Usability Testing Plan



Retrospective think aloud - Qualitative

A retrospective think aloud session will be conducted to work along side the eye-tracking where participants who take part will be able to share their thoughts on the prototype and areas that can be improved.



Eye-Tracking Quantitative

Eye-tracking will be carried out when testing the prototype, this will gather quantitative data for where majority of participants attention was along with the duration it took them to carry out certain tasks

Scope:

Evaluate the experience users have when creating an account on AI Vision along with a business setup.

Task:

- Participants will be asked to create an account and then will need to create a business account where they will input a transaction and an upcoming event.
- Whilst they are doing this, eye-tracking data will be collected.
- Once this has been done a series of questions will be asked regarding the prototype and areas that can be improved.

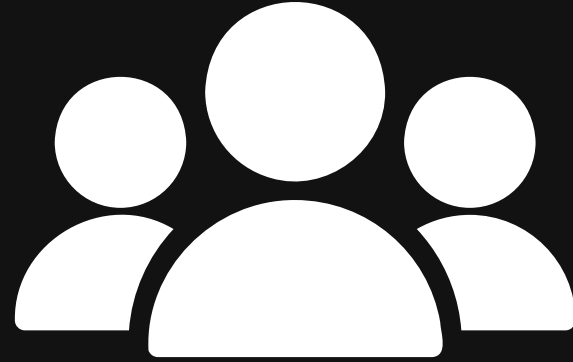
Limitations

- Have access to the equipment for the day before booking again.
- Maybe some inaccuracy with the Tobii Nano



Equipment

- Desktop Computer
- iPhone 11
- Tobii Pano (mobile eye-tracking)
- Tobii Pro Lab



Participants

I will be looking to get around 5 participants aged between 20-45 to take part in the usability testing, as this will give some effective data on areas that can be improved along with their views/opinions on the prototype.



Ethics

Participants will be given a consent form along with information sheet explain where their data will be used along with what to expect in the process of the testing.



Inclusion/exclusion

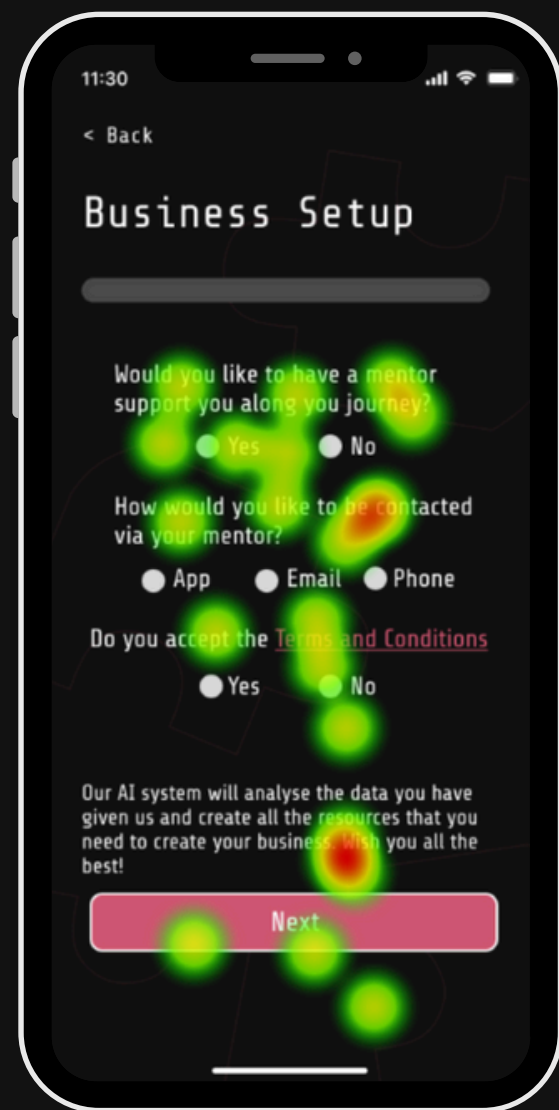
For the usability testing, there will be a requirements of being within the ages stated in the participants and there is no exclusion to gender or ethnicity.

Usman Khan
21327080

Usability Testing Findings

Eye Tracking Results

This page of the prototype is for the user to create a business that they can find out certain information such as competitors and a plan of they they need to do, they are at the end of the process where they can ask for some assistance with launching the business.

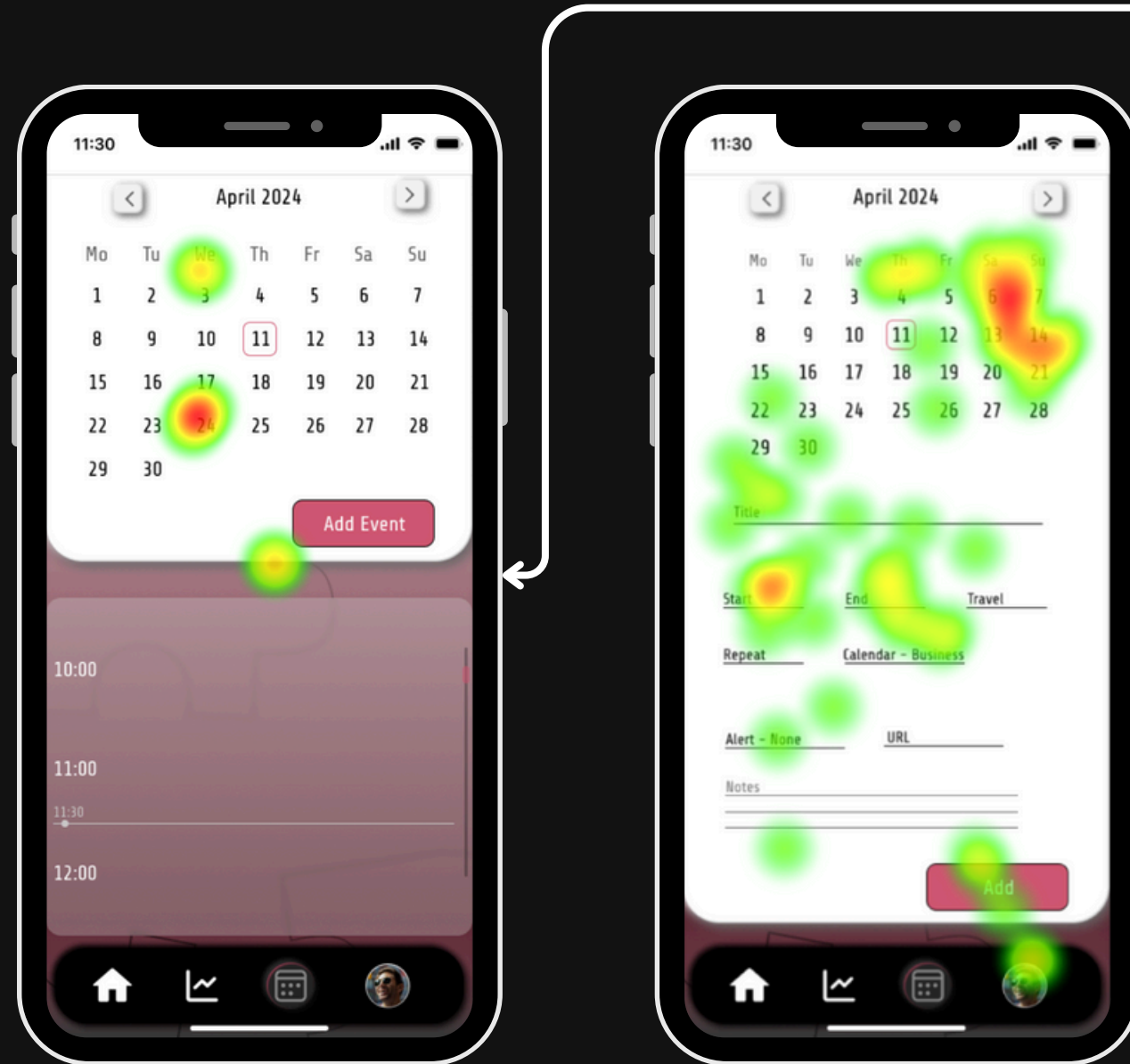


All participants spent time look at the overview section, where the average time was 7 seconds - which participants said that they retrieved a lot of information and understand the intended use of the design element.

Participants were able to follow the steps of the business setup. They found it simple to use along with being visually appealing.

Eye Tracking - AI Vision

Users are required to add an event to the calendar, where once this has been carried out it will be added to their calendar events, as a reminder.



Participants who took part in the eye-tracking took the majority of time on this task, where most of the focus was on the days of the week and the 'start date'

Many issues came with this where they found it frustrating due to having to select when it starts and ends, as they were first selecting the dates before hand.

Eye Tracking - AI Vision



Users are asked to add a transaction to the app, this will add a preset transaction. But will give the idea of the intended use of the feature.

On the budget page, users are meant to be encouraged to review the amount they have spent and what categories they spent most of the money in.

Majority of participants were surprised to find out that they can scroll in the categories to find others, where they recommended it to be clear.

Interview - Results

5/5 participants liked the overall aesthetics of the app and the step-by-step feel it has.

4/5 participants recommended to have a scroll wheel on the categories for budget page, to show that there are other ones.

3/5 participants suggested to decrease the size of the summary to make it easier to understand.

4 out of 5 mentioned that the step of adding an event was affected by the added step of selecting 'Add event'

Improvements that are needed

- Scroll bar needs to be added on categories to show that there other categories
- Decrease the summary page to have less text, as it caused some users issues.
- On the calendar page, allow users to select the date before they have to select 'Add Event'

Usman Khan
21327080

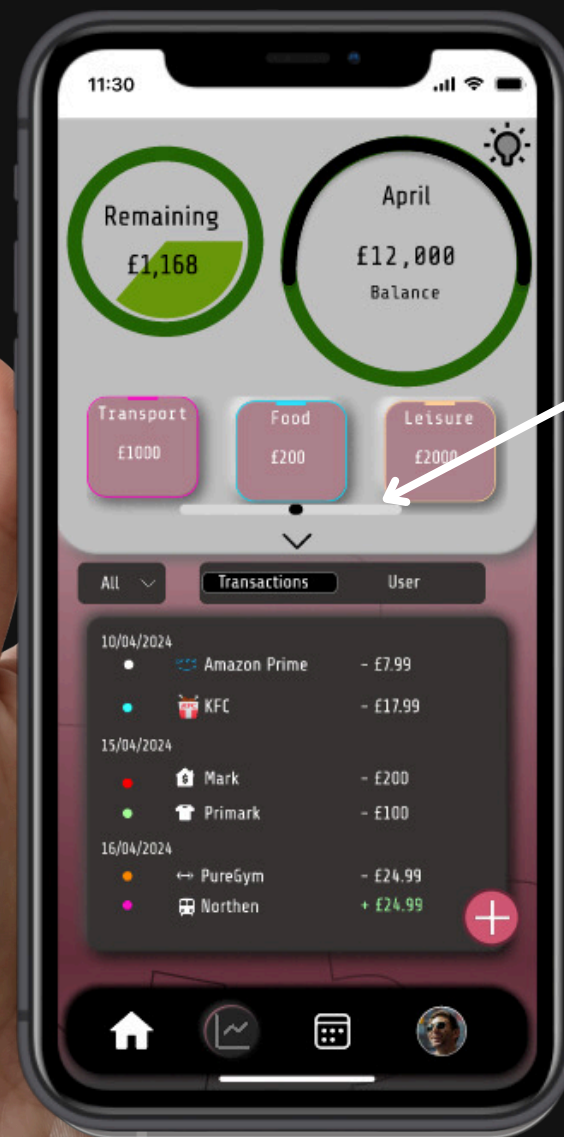
Redesign and Measuring success

View Improved
Version

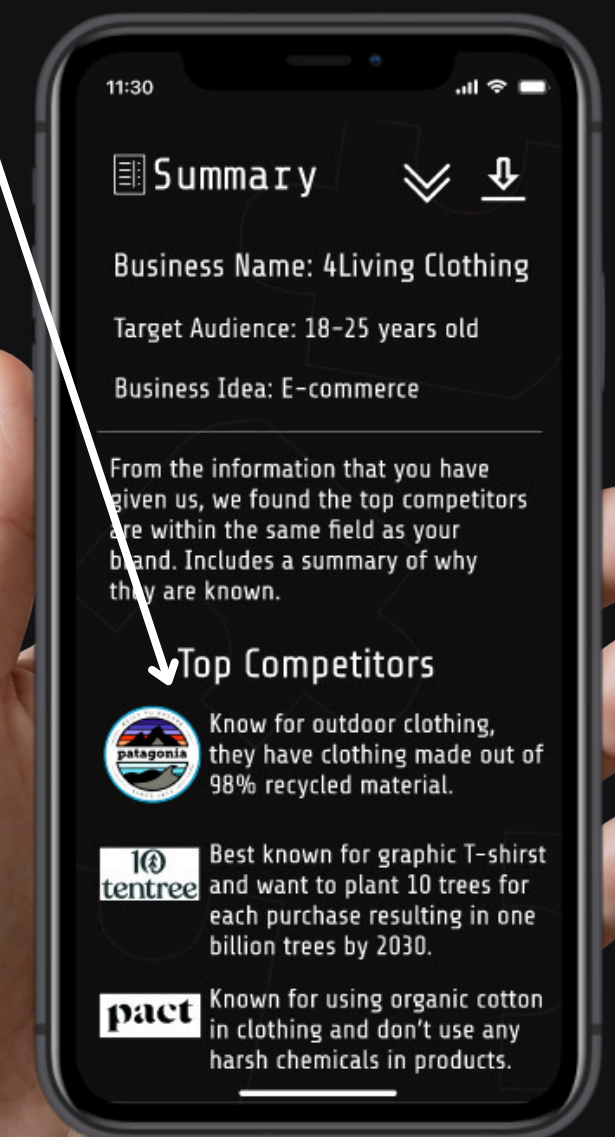
Improved Versions

Summary page has be decreased in size, only shows relevant information users are wanting to see.

Scroll bar introduced to categories, showing that there are more content.



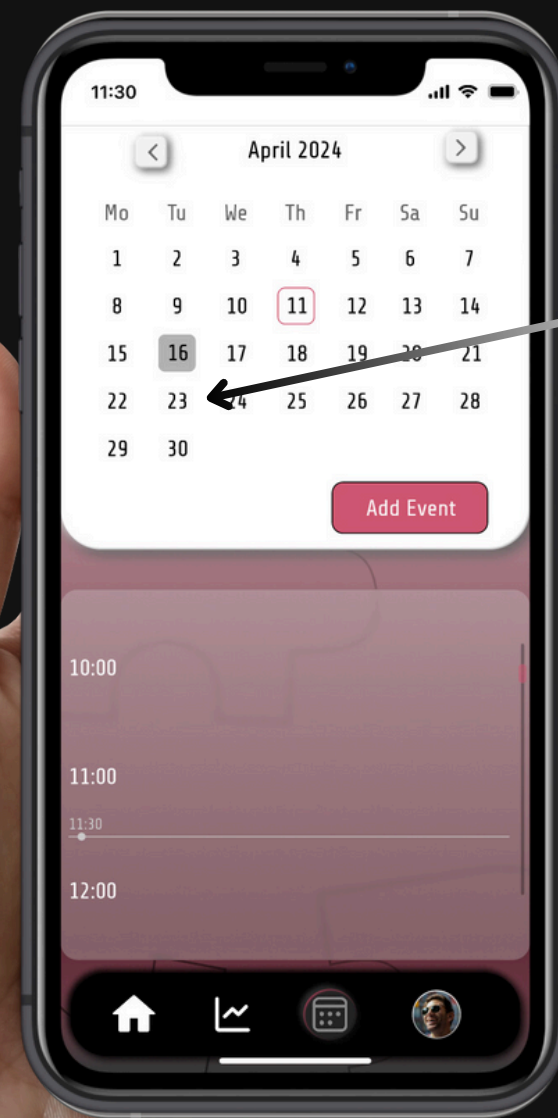
Budget Page



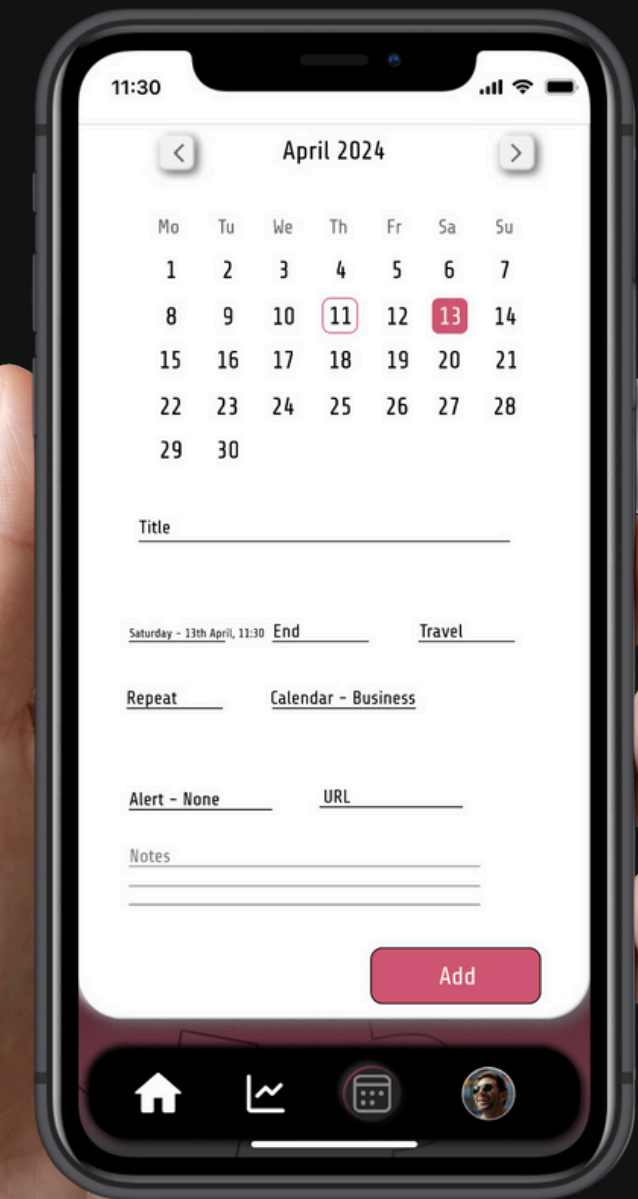
Business Summary

Improved Versions

Users are now able to select the date, which it would open up the event page for them to add the event to the calendar.



Calendar Page



Add Event Page

Measuring Success and KPIs



From the research that can be conducted research, looking at competitors and from user research - it is apparent for the app to be versatile whilst also delivering a service that users can use for their daily activities of setting up a business and running it.

The KPI that would be important for this organisation/app is 'Active customers', this will give the organisation an understanding of the popularity with the app.

UX Metrics

From establishing the KPIs that is important for AI Vision which is 'Active Customers'; to measure this there are many Attitudinal and some Behavioural UX Metrics which consists of:

- User Retention rate (Attitudinal)
- Abandonment Rate (Behavioural)
- Average session length (Behavioural)

UX Metrics

User Retention Rate

User Retention Rate is a useful UX Metrics that measures the amount of user that are using the app, whether it is a particular time - the organisation is able to see if certain features are added to the app, what the effects of them have on users still using the product and can see the loyalty of users.

Abandonment Rate

This is another UX metric that can be used within the product, as you are able to monitor performances of the app, for example if there are slow loading times connecting to a server or app crashes constantly it could lead to users leaving for a competitor, using this can show the amount of people who stopped using the service and analyse ways to get them back.[15]

UX Metrics

Average Session Length

Average session length can be used to measure the success of the app, as the main goal of the app is to be efficient - but as an organisation, you would like the users to be intune with the app and using it in their daily activities - so the more they use it or spend as much time as possible, generally are likely to enjoy the product more, if done accordingly.[16]

Future Trends of UX

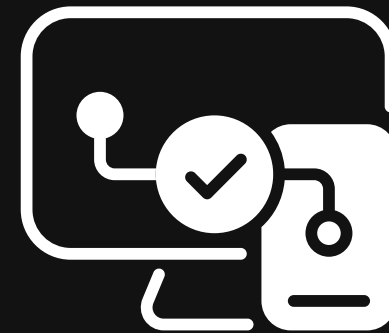
Immersive AR/VR



Voice Interfaces



Cross platform experiences



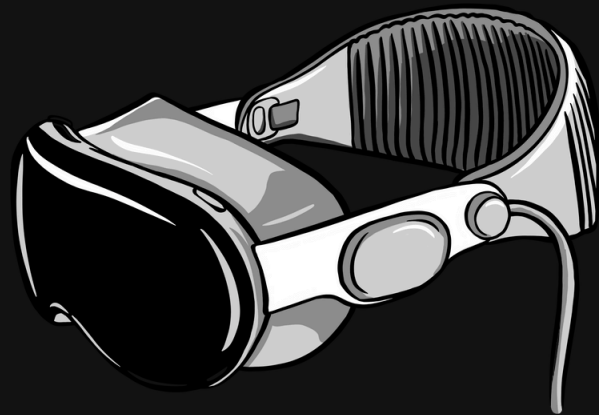
Immersive AR/VR



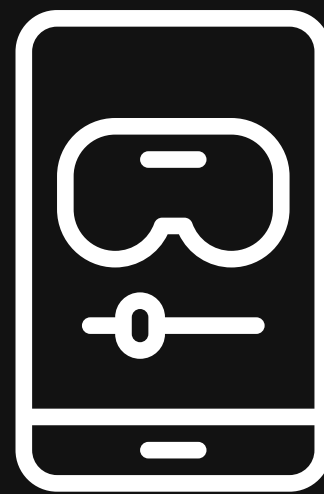
What is it?

Immersive AR/VR originates from gaming and entertainment where it blends the real world with a virtual world that is displayed on top. With many types of AR/VR technologies being developed such as the Apple Vision Pro, it is only a matter of time until this technology is required by everyone in the UX industry. Companies such as L'Oréal and Ikea have integrated this technology into their business plan to create virtual showrooms to showcase products without the need of being present in-front of the product. [17]

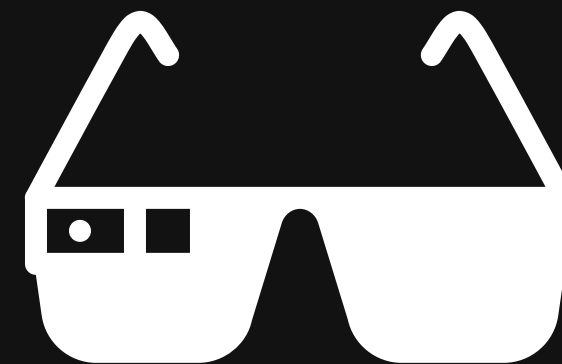
Example of AR/VR



Apple Vision
Pro



IKEA Place
App



Google Glass

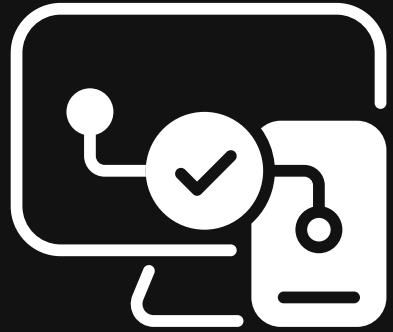


Voice Interfaces

What is it?

Voice interfaces is a piece of technology that meets sound with actions where voice commands can be taken and translated into actions, a trend that is slowly becoming mainstream where companies are creating devices that users can wear and speak to; where an AI system within the device can run commands based off what the user has said.

The future of this can lead to better speech recognition where users don't have to repeat certain commands and with the rise of AI it means that there will be an endless amount of commands/questions that can be asked. [18]



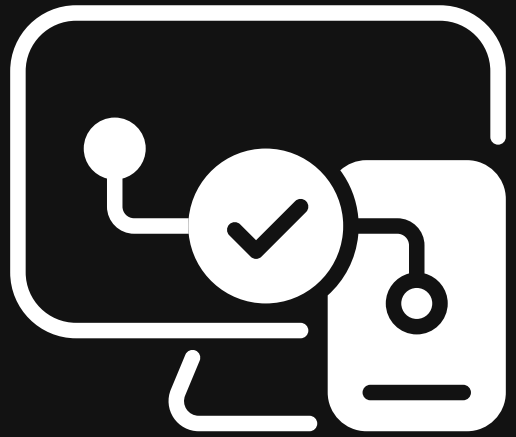
Cross platform experiences

What is it?

This is a service that allows data/application to be experienced across multiple devices, a good example of this is with Apple and Samsung - where they have their own “Eco-system”, meaning that all the devices are connected together. For example with an Apple device you are able to use headphones on an iPhone and then move to a computer, if you have the same account on both devices it will switch over automatically.

This trend is being adopted by main companies where will use servers and apps which allows user to switch between but still have access to content they have saved or viewed from other devices.

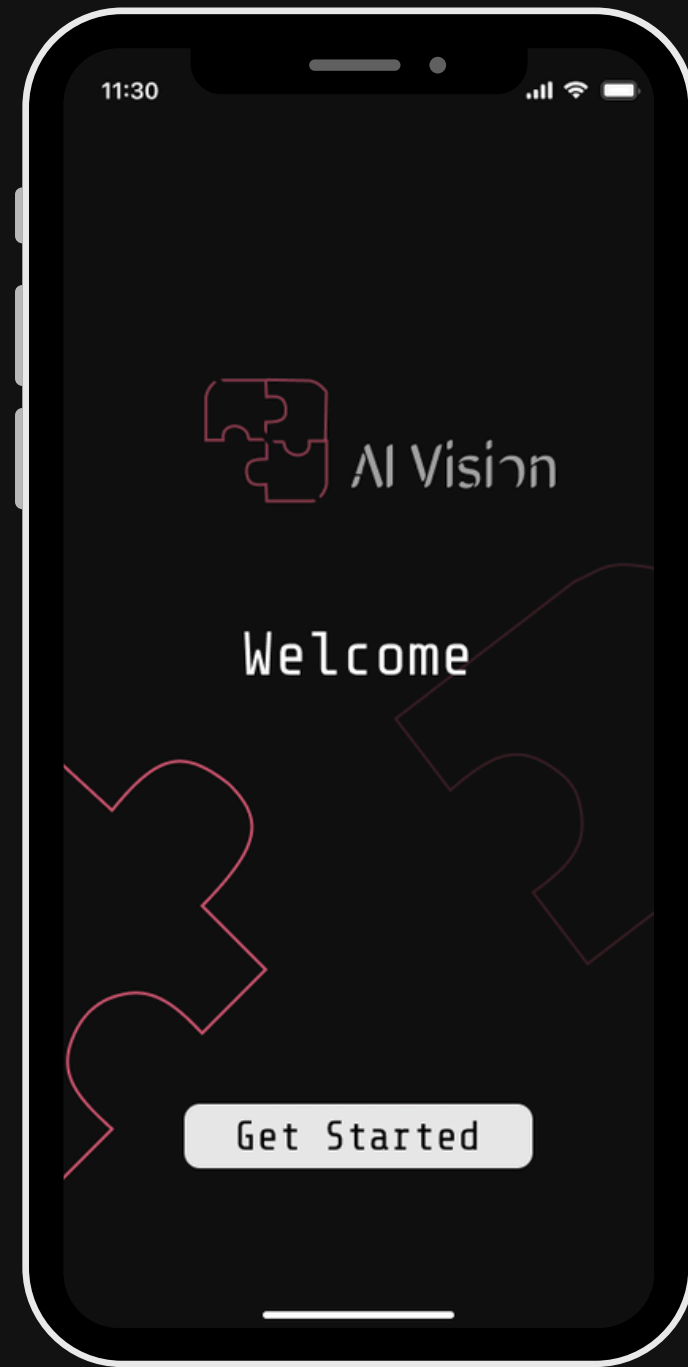
How can **cross-platform experiences** be introduced to **AI Vision**?



This piece of technology can be introduced to AI Vision, due to there being an application designed for smartphones and there is another designed for desktop.

To ensure the app has a positive experience, it will be useful to have a cross platform feature implemented as it would allow users to switch from one device to another without losing progress or data. By doing this it can also aim to a larger audience who may not have access to a particular device and will like to use the service offered by the digital product.

Usman Khan
21327080



Click to view prototype



Usman Khan
21327080

Appendices

References

- [1] Vinney, C. (2022). 11 popular UX job roles and titles explained - UX Design Institute. [online] [www.uxdesigninstitute.com](https://www.uxdesigninstitute.com/blog/ux-job-roles/#Information-Architect-or-UX-Architect). Available at: <https://www.uxdesigninstitute.com/blog/ux-job-roles/#Information-Architect-or-UX-Architect>. [Accessed 15 April 2024]
- [2] Stevens, E. (2019). 5 UX specialties that could be your next career move | Inside Design Blog. [online] [www.invisionapp.com](https://www.invisionapp.com/inside-design/5-ux-specialties/#UX%20researcher). Available at: <https://www.invisionapp.com/inside-design/5-ux-specialties/#UX%20researcher> [Accessed 15 April 2024].
- [3] Stevens, E. (2022). What does a UI designer do? - UX Design Institute. [online] www.uxdesigninstitute.com. Available at: <https://www.uxdesigninstitute.com/blog/what-does-a-ui-designer-do/>. Accessed 15 April 2024]
- [4] Petereit, D. (2017). Colormind Creates Color Palettes Using Artificial Intelligence. [online] Noupe. Available at: <https://www.noupe.com/essentials/colormind-creates-color-palettes-using-artificial-intelligence.html> [Accessed 15 April 2024].
- [5] Maxwell, J. (2023). Branding with AI: The good, the bad and the reality. [online] www.teamspirit.co.uk. Available at: <https://www.teamspirit.co.uk/news-insights/branding-with-ai-the-good-the-bad-and-the-reality#> [Accessed 15 April 2024].

References

[6]Kemp, Simon. "Digital 2024: The United Kingdom." DataReportal – Global Digital Insights, 21 Feb. 2024,[Online] datareportal.com/reports/digital-2024-united-kingdom. [Accessed 15 April 2024].

[7]Murray-Nevill, Joshua. "The Real Cost of the UK Productivity Crisis: £4,500 Lost on Every Unproductive Worker [online] | Totaljobs." Totaljobs, 22 Mar. 2019, www.totaljobs.com/media-centre/the-real-cost-of-the-uk-productivity-crisis-4500-lost-on-every-unproductive-worker. [Accessed 12 April 2024].

[8]Lindner, Jannik. "Must-Know Time Management Statistics [Latest Report] • Gitnux." Gitnux.org, 8 Dec. 2023, gitnux.org/time-management-statistics/. [Accessed 12 April 2024].

[9]Jacimovic, Darko. "27 UK Entrepreneur Statistics to Inspire You." TheCircularBoard, 26 Apr. 2021, thecircularboard.com/entrepreneur-statistics/. [Accessed 12 April 2024].

[10]Jooble. "Entrepreneur Salary - Check Average Entrepreneur Salary Rate on Jooble." Jooble, 2024, uk.jooble.org/salary/entrepreneur#:~:text=If%20we%20look%20at%20the. [Accessed 12 April 2024].

[11]Bernd Car Stahl, Daminan Eke. "The Ethics of ChatGPT – Exploring the Ethical Issues of an Emerging Technology." International Journal of Information Management, vol. 74, no. 74, 1 Feb. 2024, pp. 102700–102700, <https://doi.org/10.1016/j.ijinfomgt.2023.102700>. Accessed 12 April 2024].

References

- [12]HSBC. "What Is the 50/30/20 Rule? | Budgeting Methods – HSBC UK." [online]www.hsbc.co.uk, www.hsbc.co.uk/financial-fitness/everyday-budgeting/spending-your-income/#:~:text=The%20idea%20is%20you. [Accessed 12 April 2024].
- [13]Marder, Andrew. "Most Americans Have a Monthly Budget, but Many Still Overspend." [online] NerdWallet, 30 May 2023, www.nerdwallet.com/article/finance/data-2023-budgeting-report. [Accessed 12 April 2024].
- [14]González De Villaumbrosia, Carlos. "Digital Product Strategy – a Guide for Digital Product Leaders." [online] Product School, 23 Nov. 2023, productschool.com/blog/product-strategy/digital-product-strategy-a-guide-for-digital-product-leaders. Accessed 15 May 2024.
- [15]Splitmetrics. "What Is Abandonment Rate? · SplitMetrics." [online] SplitMetrics, 2022, splitmetrics.com/glossary/abandonment-rate/#:~:text=It%20is%20an%20important%20metric. [Accessed 15 May 2024.]
- [16]Babich, Nick. "A Quick Guide to UX Metrics." Medium, 30 June 2022,[Online] uxplanet.org/a-quick-guide-to-ux-metrics-d271a937149a.[Accessed 15 May 2024.]
- [17]Sobowale, Iwalola. "Designing for the Future: 10 UX Design Trends for 2024." LogRocket Blog, 2 Jan. 2024, blog.logrocket.com/ux-design/10-ux-design-trends-2024/#immersive-ar-vr-experiences. Accessed 17 May 2024. [Accessed 15 May 2024.]

References

[18]Anand, Tarun. "Voice User Interfaces (VUIs): The Future of Conversational UI." Medium, 9 Dec. 2023, medium.com/@uxdtarun/voice-user-interfaces-vuis-the-future-of-conversational-ui-065232d850eb#:~:text=VUIs%20are%20revolutionizing%20the%20way. [Accessed 15 May 2024]

References for Prototype

Consideration, Under . "Brand New: New Logo and Identity for Tentree Done In-House with Sid Lee | Word Mark Logo, Identity Logo, ? Logo." [online] Pinterest, 2019, www.pinterest.co.uk/pin/_branding_--381257924707356233/. [Accessed 16 May 2024.]

1000 Logos. "Meaning Patagonia Logo and Symbol | History and Evolution." 1000logos.net, 2016,[online] 1000logos.net/patagonia-logo/. [Accessed 16 May 2024.]

Stickpng. "Pact Logo Black Transparent PNG - StickPNG." [online] www.stickpng.com, www.stickpng.com/img/icons-logos-emojis/vegan-fashion-and-clothing-brands/pact-logo-black. [Accessed 16 May 2024.]

Competitor Analysis

Competitors	Mission	Price	Features	Strengths	Weaknesses	Platform	Target Audience
<p>GoodBudget Founded: 2009</p>	<p>Wanting to provide a budgeting system that helps managing finances</p>	<p>Free, but there is a premium package costing £6.99/month that provides features such as automatic bank sync, up to 5 devices, and many more.</p>	<ul style="list-style-type: none"> Transaction History Financial Dashboard - showing information budget, amount spent and other information 	<ul style="list-style-type: none"> Affordable Supports multiple devices Provides a report of amount spent. Able to import bank transactions into the app Simple user interface 	<ul style="list-style-type: none"> Users have to manually input expenses, which requires effort to do. Free version, has limited features. 	<p>Website, IOS and Android</p>	<p>The main target audience are those in the finance industry ages between 25-34, with ages up to 35-44 being close behind. Majority of the users 63.24% are female and 36.76% male.</p>
<p>PocketGuard Founded: 2015</p>	<p>Want to help simplify people's life by ensuring they take control of finances and providing decisions which will help them accomplish dreams they have had.</p>	<p>The app is free which includes basic features such as budgeting and transaction history. There are paid version which cost \$12.99 per month.</p>	<ul style="list-style-type: none"> Bill management Spending limit - reduce the chance of spending more than intended to. 	<ul style="list-style-type: none"> Able to view the amount of money you can spend and view how it can impact the budget. Able to set saving goals. Can sync all banks into one area to view. Organise expenses into categories, to help with the overview of where money is being spent. Provides ways to help you work towards saving goals set or any debt you may have. 	<ul style="list-style-type: none"> You have to link bank before you can explore the app, some banks are not supported - unable to use the app. Free version only allows one saving goal, and cannot manually input a bank/ credit card account. 	<p>Android, IOS and Website</p>	<p>The majority of users who use the platform are male (50.83%) and female (49.17%). Majority of users are aged 25-34.</p>
<p>Toggl Track Founded: 2006</p>	<p>The mission of the competitor is to provide a solution to increase productivity in people to ensure they reach a goal they have set.</p>	<p>Free, has different plans that range from \$10 to \$20 per month, which have different features and benefits.</p>	<ul style="list-style-type: none"> Offline Tracking Chrome and Microsoft Edge browser extension Track app and browser activity. Customisable reports, whether that is a daily, weekly or custom report showing where you have spent the majority of your time. 	<ul style="list-style-type: none"> Cross-platform compatibility, allowing users to switch to another device and tasks/time tracking is synchronised across. Easy to use / user friendly interface. Idle time detection- ensuring you get back to complete a project. 	<ul style="list-style-type: none"> Paid plans can be expensive for the main purpose of the app. Unable to pause sessions, need to end the session and restart. Easy to forget that timer is running - time is inaccurate to the amount of work actually carried out. 	<p>MacOs, Windows, IOS and Android</p>	<p>Majority of the users are within the news industry and are within the ages of 25-34. Majority of those users are male (51.01%) and women (48.99%).</p>

Usman Khan
21327080

Survey

Link to survey results

[https://forms.office.com/Pages/DesignPageV2.aspx?
subpage=design&FormId=UPs_KAujjEiQ9M2uT3rm0aUNRjRPaUZKpquFvj-
pYpBUNk04TzNZV002NjFYQVpHOTA5WFU2SURZUS4u&Token=ebae00411f7743b1aeafb
d52cd3b240b](https://forms.office.com/Pages/DesignPageV2.aspx?subpage=design&FormId=UPs_KAujjEiQ9M2uT3rm0aUNRjRPaUZKpquFvj-pYpBUNk04TzNZV002NjFYQVpHOTA5WFU2SURZUS4u&Token=ebae00411f7743b1aeafb d52cd3b240b)

Usman Khan
21327080

Questions asked for Usability Testing- Think Aloud (Tobii Nano)

24/04/2024

AI VISION Eye tracking questions

- What did you like about the prototype?
- Any areas that were easy to use?
- What did you struggle with the most?
- How do you think it can be improved?
- Were the headings clear? If not then can you explain how can be done to ensure they are clear?