

Lesson 01 Demo 04

Creating a Food Ordering Application Using Generative AI Tools

Objective: To create a food ordering application using generative AI tools for enhanced functionality and user experience

Tools required: ChatGPT 4 and Uizard

Prerequisites: None

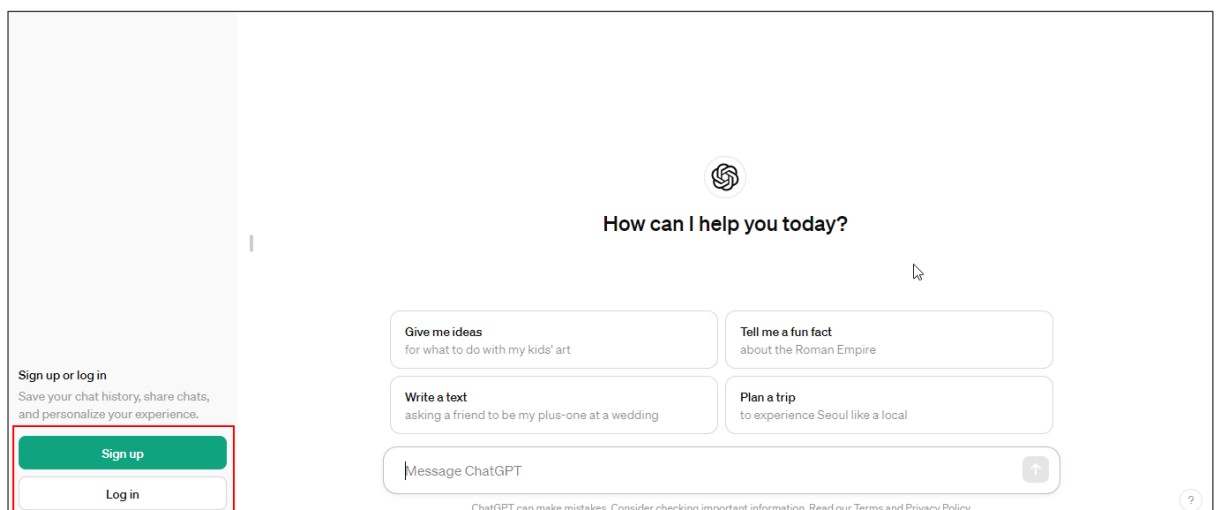
Steps to be followed:

1. Generate the architecture and UI Design using Full Stack Developer GPT and Uizard
2. Generate the application source code using Full Stack Developer GPT
3. Generate test cases and documentation via Full Stack Developer GPT

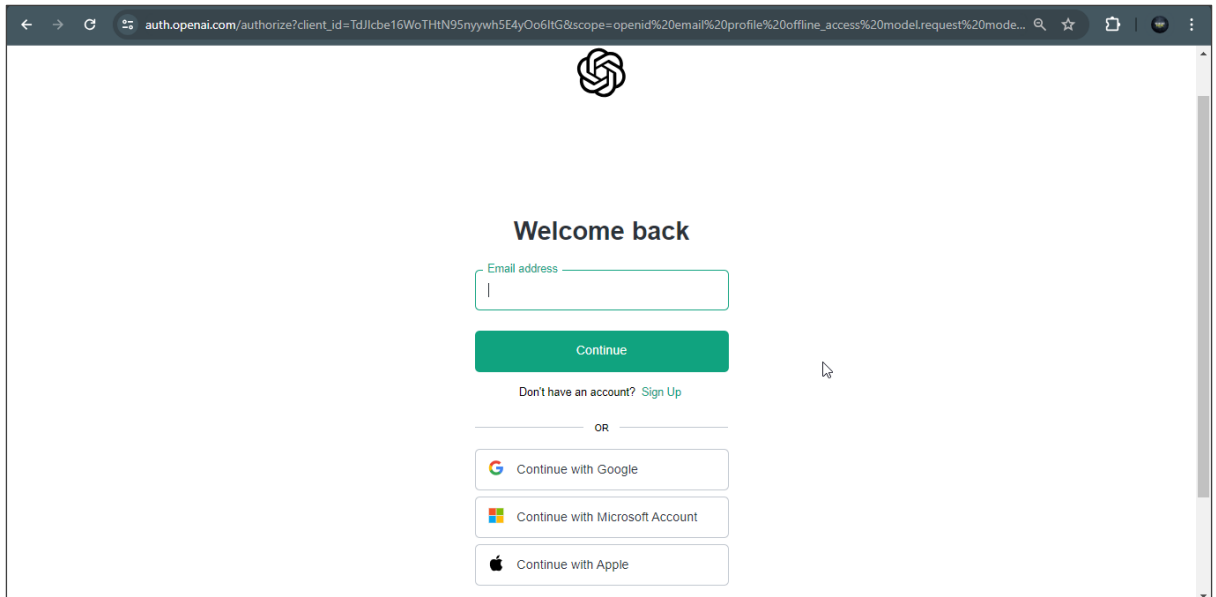
Note: Please be advised that the generative AI tools used in this demo may produce varied outputs even when presented with similar prompts.

Step 1: Generate the architecture and UI Design using Full Stack Developer GPT and Uizard

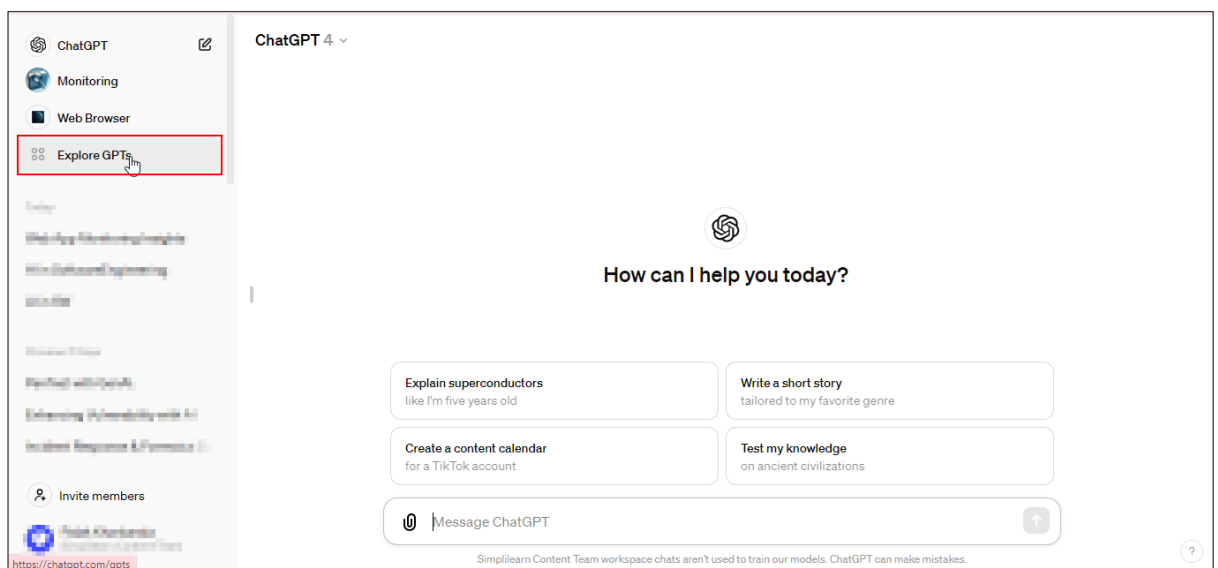
1.1 Go to <https://chat.openai.com> and log in to your account



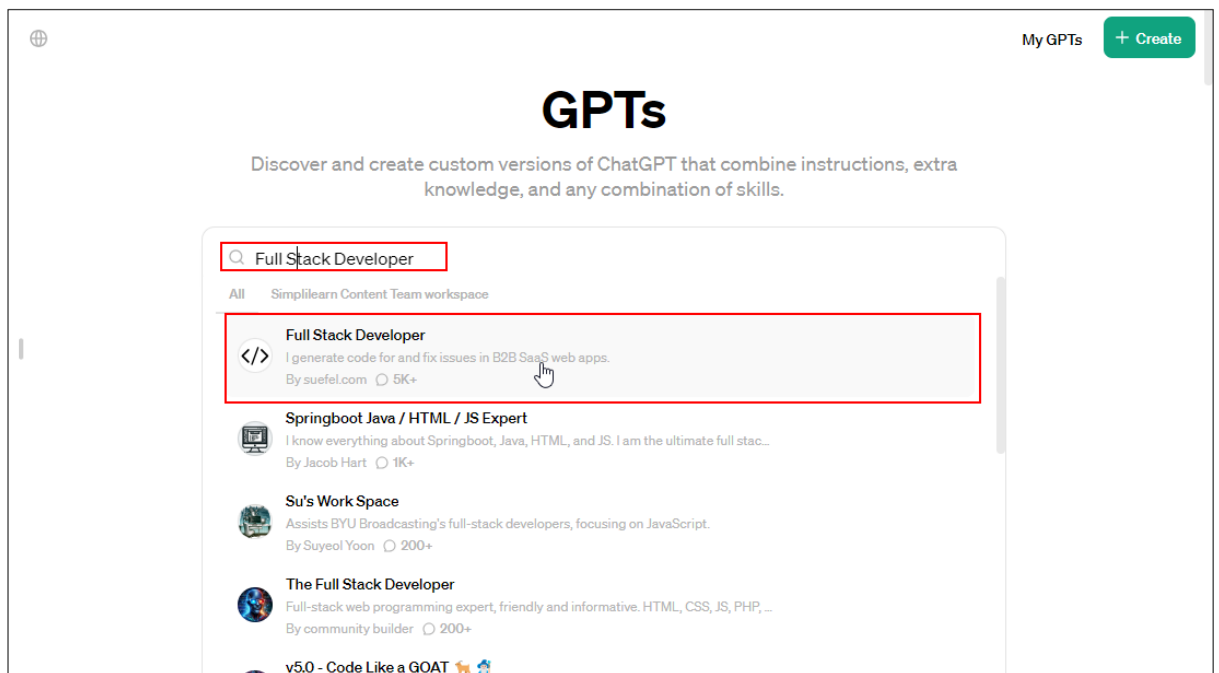
Note: Sign up if you do not have an account.



1.2 Click on **Explore GPTs**, as shown in the screenshot below:

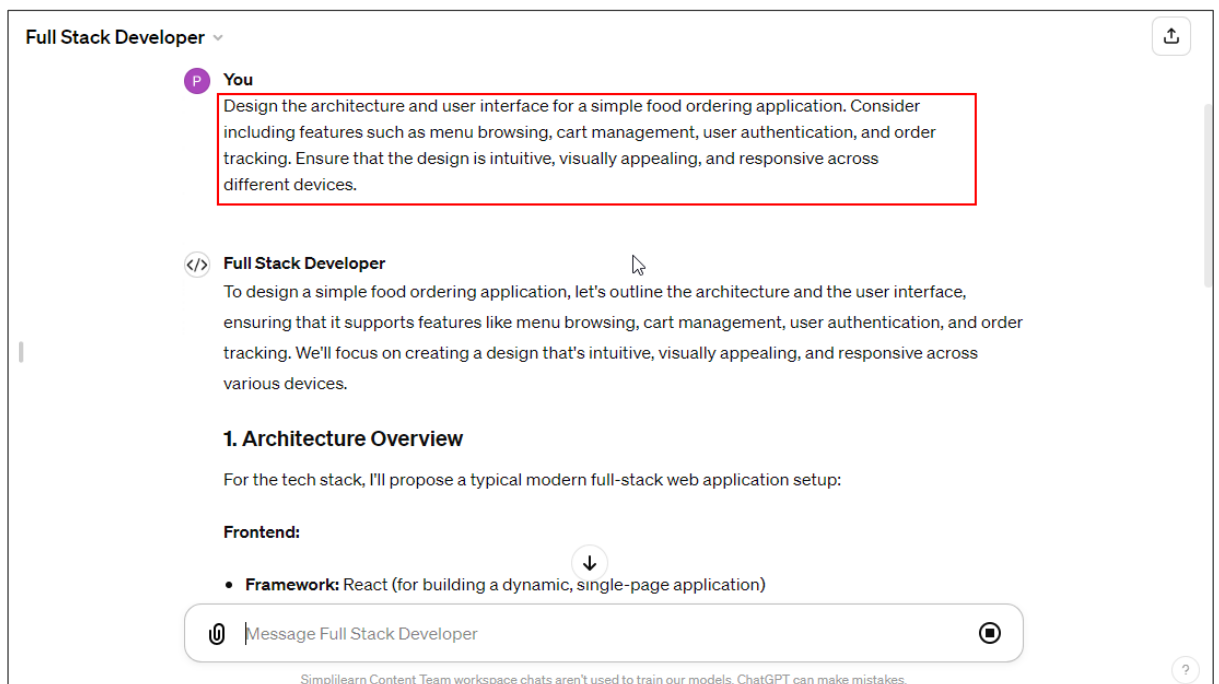


1.3 Search for and click on **Full Stack Developer**, as shown in the screenshot below:



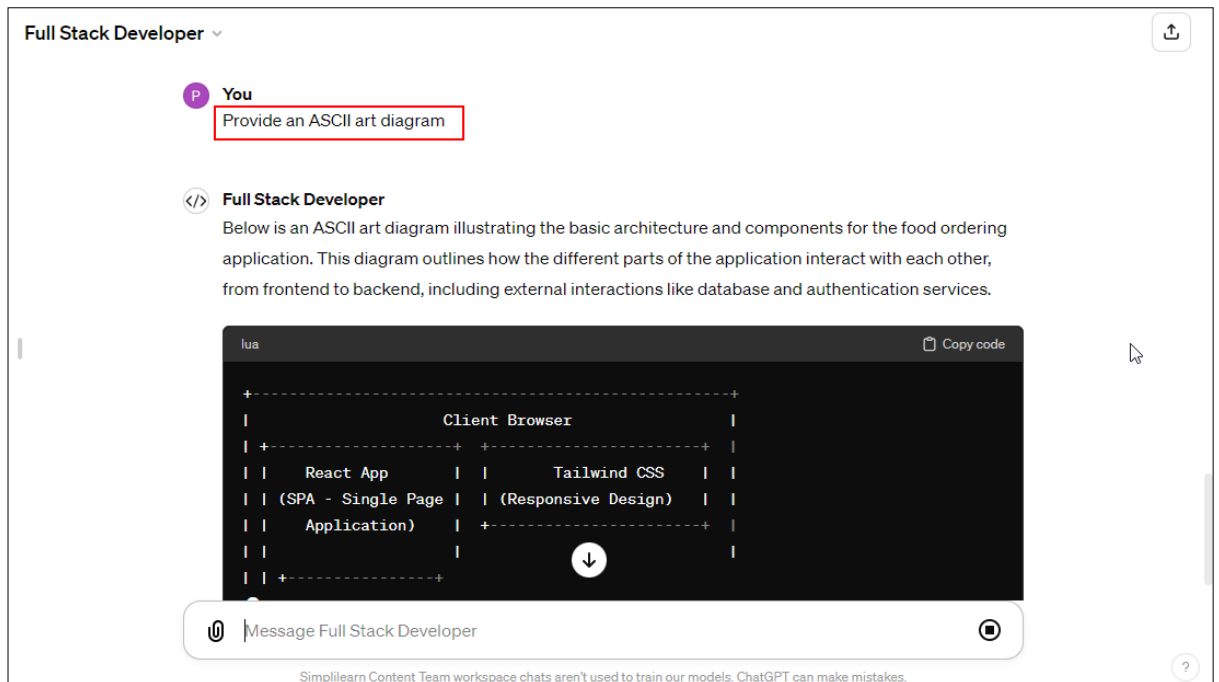
1.4 Use the following prompt to specify the details of the food ordering application, as shown in the screenshot below:

Design the architecture and user interface for a simple food ordering application. Consider including features such as menu browsing, cart management, user authentication, and order tracking. Ensure that the design is intuitive, visually appealing, and responsive across different devices.

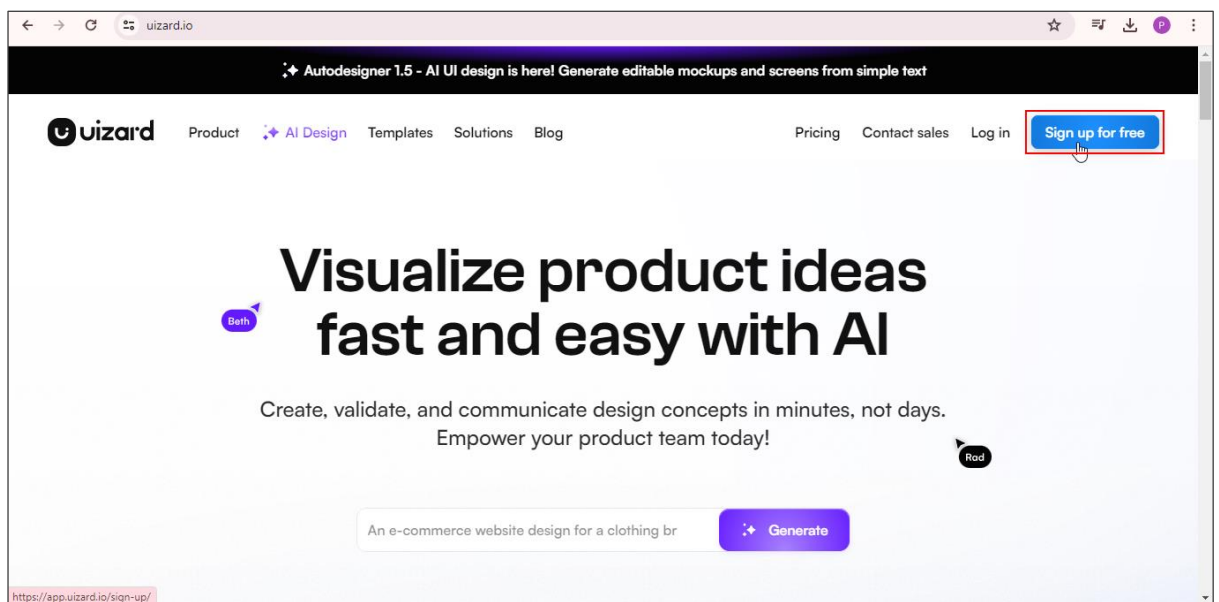


- 1.5 Use the following prompt to generate ASCII art diagram, as shown in the screenshot below:

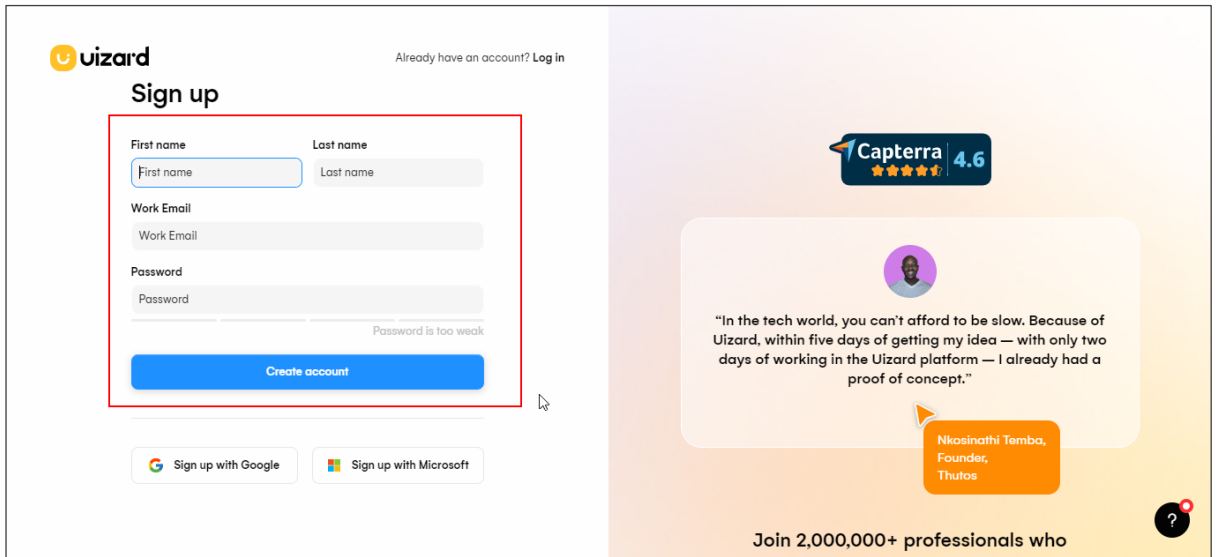
Provide an ASCII art diagram



- 1.6 Navigate to <https://uizard.io/> and click on **Sign up for free**, as shown in the screenshot below:



1.7 Enter the required information and click on **Create account**



The image shows the Uizard sign-up page. On the left, there is a 'Sign up' form with fields for 'First name', 'Last name', 'Work Email', and 'Password'. The 'First name' field is highlighted with a red box. Below the 'Password' field, there is a message 'Password is too weak'. A blue 'Create account' button is at the bottom of the form. Below the button are two options: 'Sign up with Google' and 'Sign up with Microsoft'. On the right, there is a testimonial from Nkosinathi Temba, Founder of Thutiso, with a Capterra 4.6 rating. At the bottom right, it says 'Join 2,000,000+ professionals who'.

Uizard

Already have an account? Log in

Sign up

First name Last name

Work Email

Password

Password is too weak

Create account

Sign up with Google Sign up with Microsoft

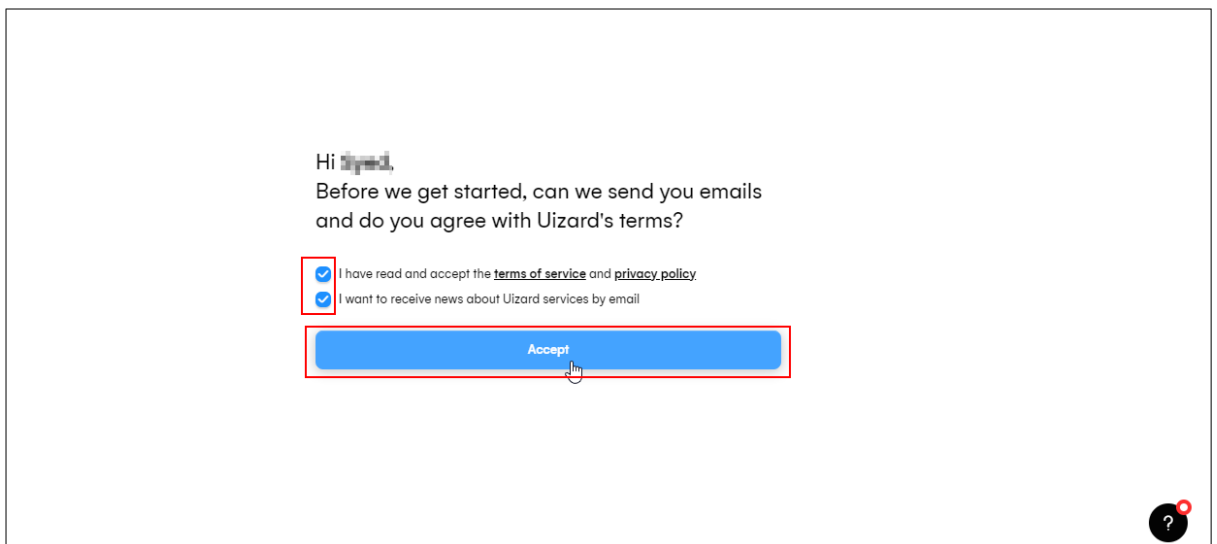
Capterra 4.6

"In the tech world, you can't afford to be slow. Because of Uizard, within five days of getting my idea — with only two days of working in the Uizard platform — I already had a proof of concept."

Nkosinathi Temba, Founder, Thutiso

Join 2,000,000+ professionals who

1.8 Click on the checkboxes and then click on the **Accept** button



The image shows the Uizard 'Accept' page. It starts with 'Hi [Name]', followed by the text 'Before we get started, can we send you emails and do you agree with Uizard's terms?'. There are two checkboxes, both of which are checked and highlighted with a red box. The first checkbox is 'I have read and accept the terms of service and privacy policy.' and the second is 'I want to receive news about Uizard services by email'. Below the checkboxes is a blue 'Accept' button, also highlighted with a red box. At the bottom right, there is a help icon (a question mark in a circle).

Hi [Name],


Before we get started, can we send you emails and do you agree with Uizard's terms?

☒ I have read and accept the [terms of service](#) and [privacy policy](#).

☒ I want to receive news about Uizard services by email

Accept

1.9 Select the desired options per the requirement, as shown in the screenshots below:

Welcome 

We'd love to know a bit more about you...

What kind of work do you do?

User Research

What's your role?

Team Manager

Progress bar: 1 of 5 steps (Step 1 is active)

Help icon (question mark)

As a **Team manager** in **User research**, what are you planning to use Uizard for?

Work

Personal

Non-profit or charity

Education

Progress bar: 2 of 5 steps (Step 2 is active)

Help icon (question mark)

That's great!

How many people work at your company?

1, it's just me	2 - 50	50 - 250
250 - 1,000	1,000 - 5,000	5,000+



How did you hear about Uizard?



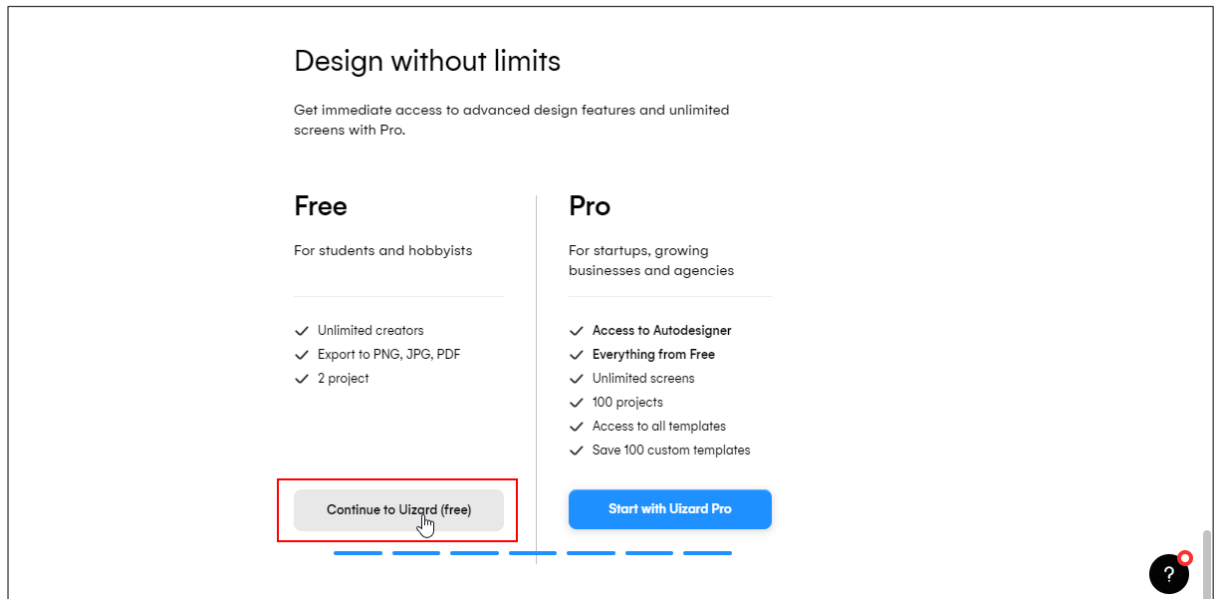
What do you want to achieve with Uizard?

Design a new mobile app or website project	Re-design an existing app or website
Ideate, brainstorm, and test design ideas	Design a mockup for fundraising or closing contracts

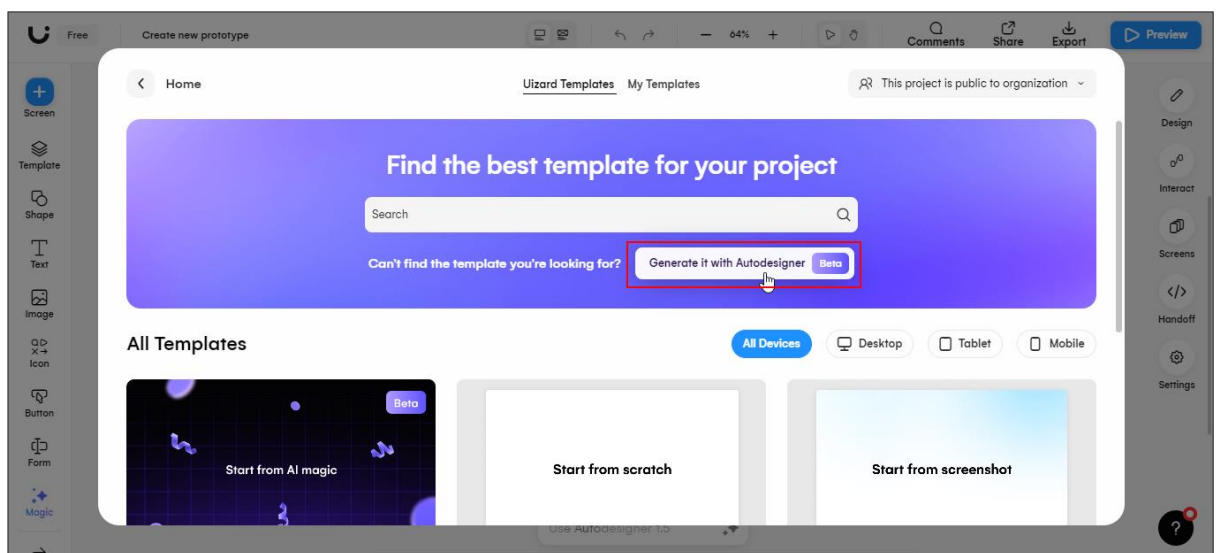
Skip for now

Next





1.10 Click on **Generate it with Autodesigner**, as shown in the screenshot below:



1.11 Select **Desktop** as the device and choose the specified options for designing the web application. In this case, select **Modern** and **Elegant**. Then, provide the following prompt and click on **Generate my project**:

A user-friendly food ordering application with features including menu browsing, cart management, and order tracking, ensuring seamless user experience. All pages should be connected with each other.

The screenshot shows the Uizard AI-powered Autodesigner interface. At the top, it says "using Uizard's AI-powered Autodesigner". Below this, there's a "Back" button and a notification "This project is public to organization". The main configuration area has three sections:

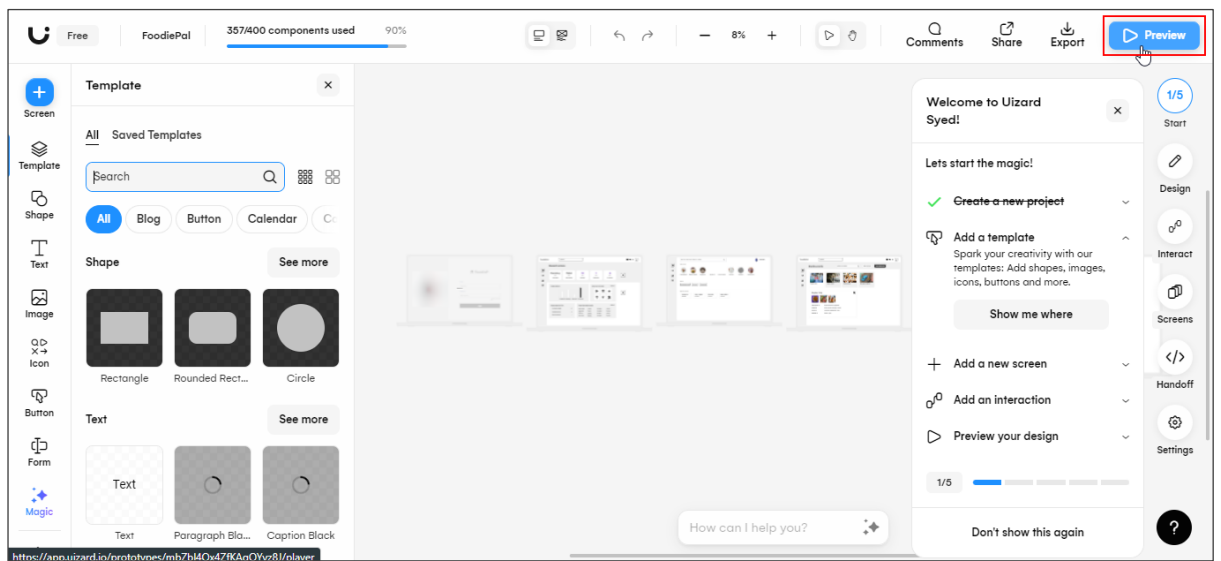
- Which device are you designing for?** with buttons for Mobile, Tablet, and Desktop. The Desktop button is highlighted with a red box.
- Describe your project in plain English** with a "Try example" button. Below this is a text input field containing the prompt: "A user-friendly food ordering application with features including menu browsing, cart management, and order tracking, ensuring seamless user experience. All pages should be connected with each other." This field is also highlighted with a red box.
- Describe a design style, pick keywords, or both** with a text input field containing "Modern startup aesthetic in the style of Airbnb but more corporate". Below this are two rows of style buttons: "Light", "Dark", "Modern", "Artsy", "Techy", "Young" in the first row, and "Corporate", "Formal", "Elegant", "Hand-drawn" in the second row. The "Modern" and "Elegant" buttons are highlighted with red boxes.

At the bottom, there's a large blue button labeled "Generate my project" with a "Beta" tag next to it, which is also highlighted with a red box.

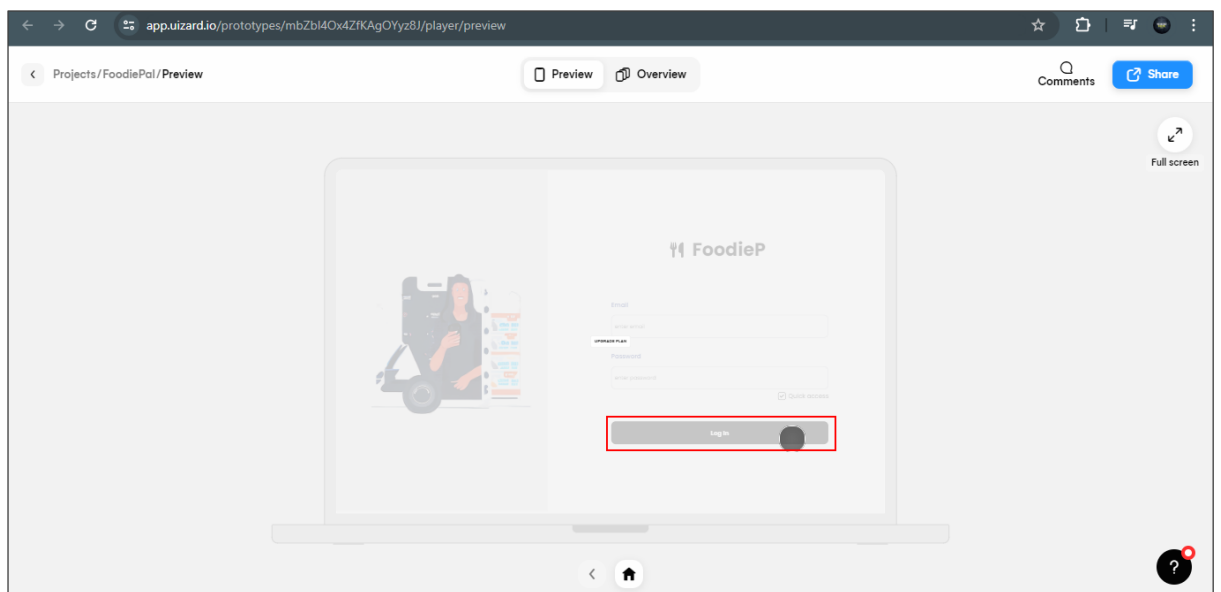
The screen below shows the progress of generating the web application:

The screenshot shows the Uizard AI-powered Autodesigner interface during the generation process. The main area displays a message: "Autodesigner is generating your project. It might take a few minutes." Below this is a progress bar. Further down, there's a section titled "DID YOU KNOW?" with a tip: "If you feel like a design pro, you can be as specific as you want when describing the style of your project to Autodesigner:". Below the tip is a text input field containing the example: "Rounded, with shadows, and without borders". At the bottom, there are three dots, with the first one being blue, indicating the current step in the process.

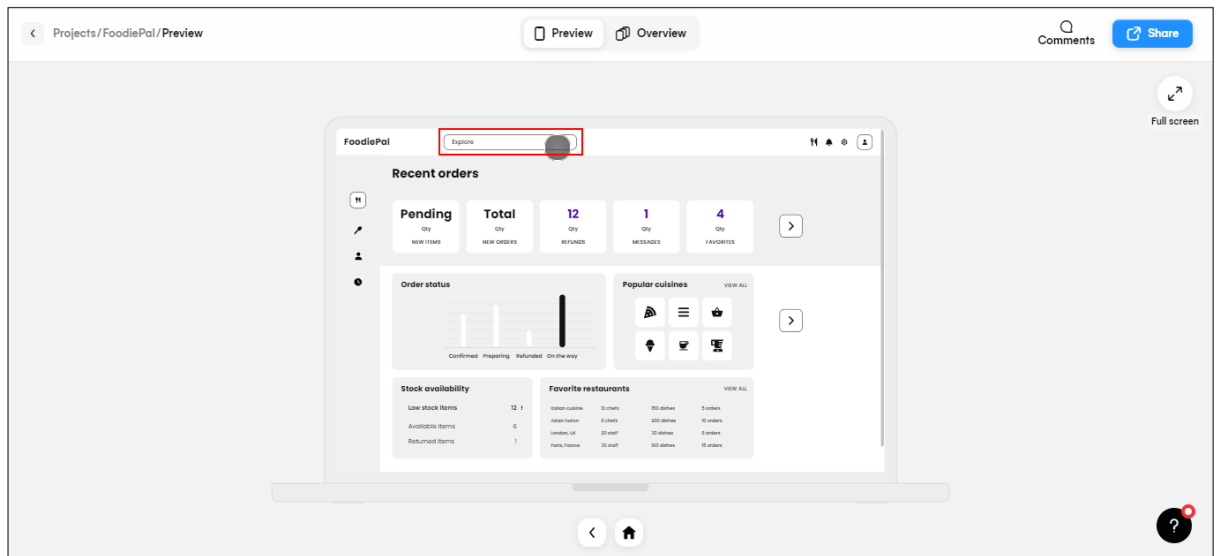
1.12 Click on the **Preview** button, as shown in the screenshot below:



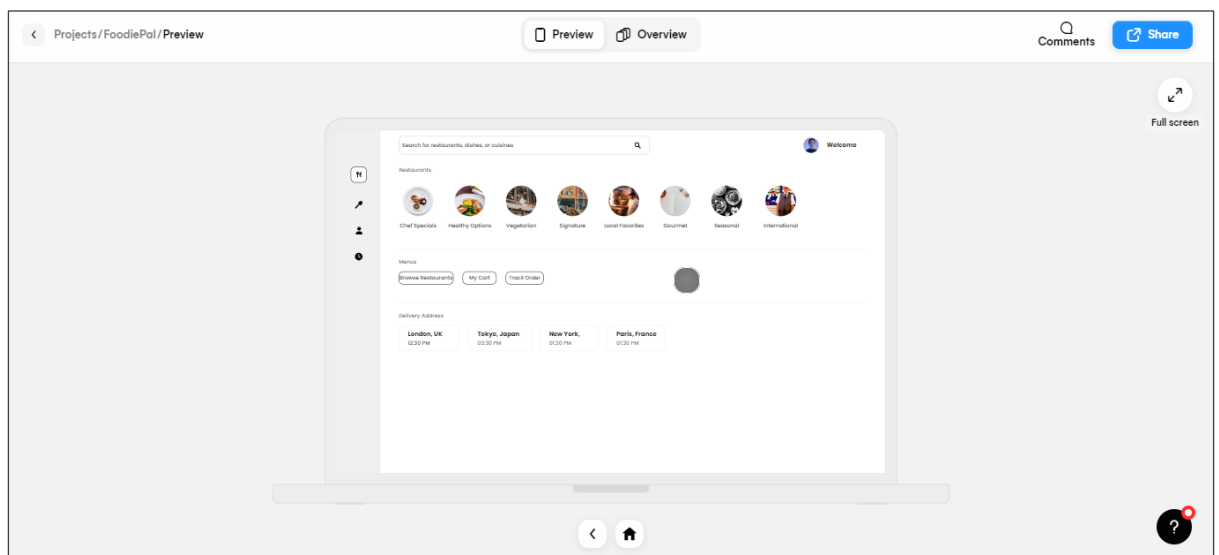
1.13 Click on **Log in**, as shown in the screenshot below:



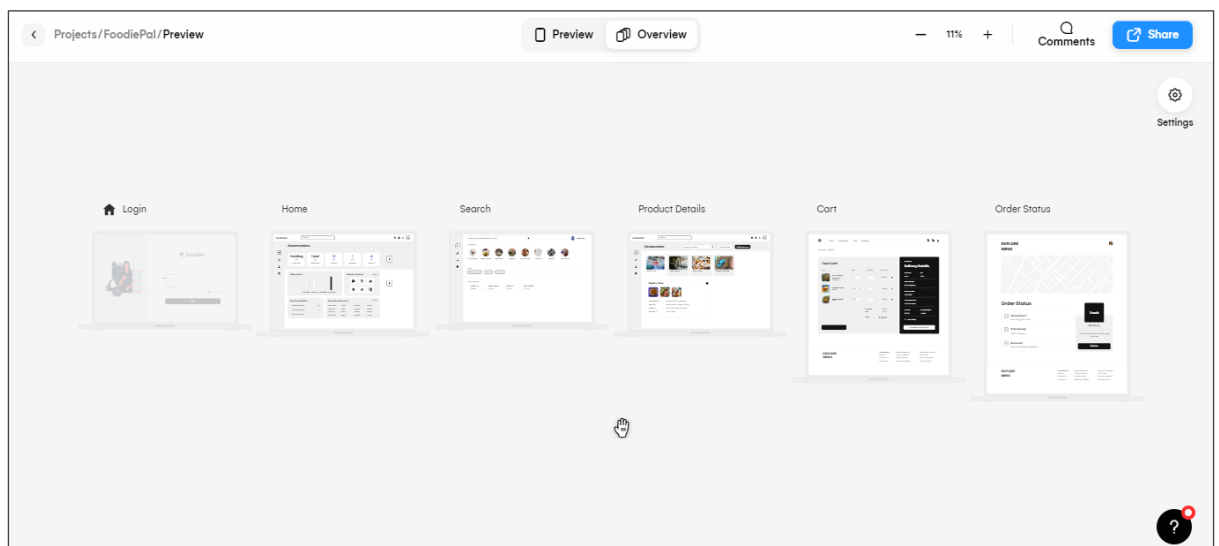
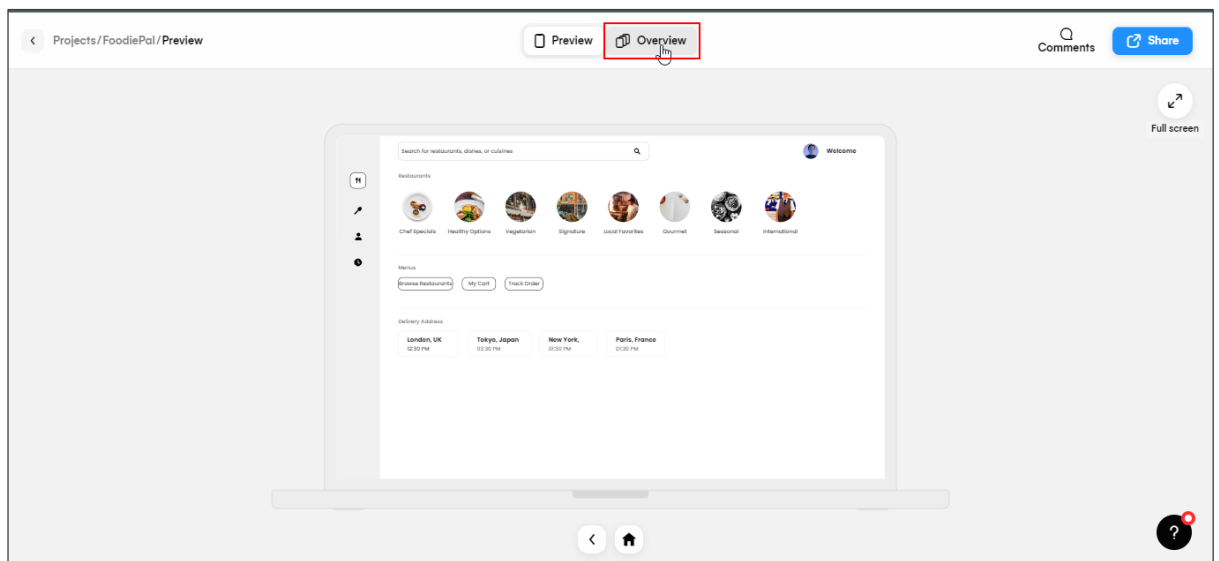
1.14 Click on **Explore** to view the next page



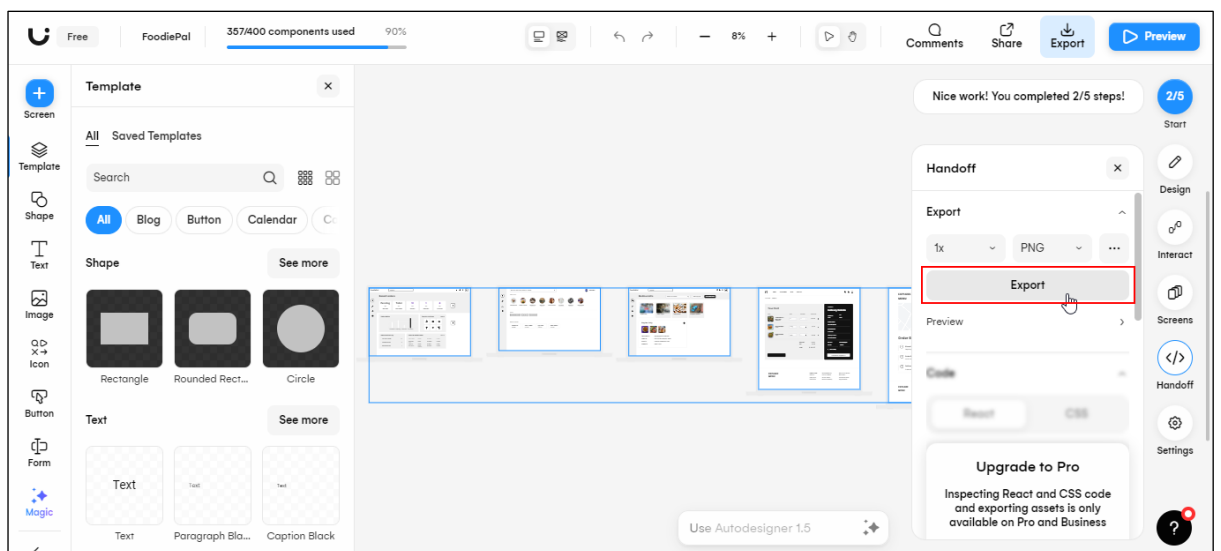
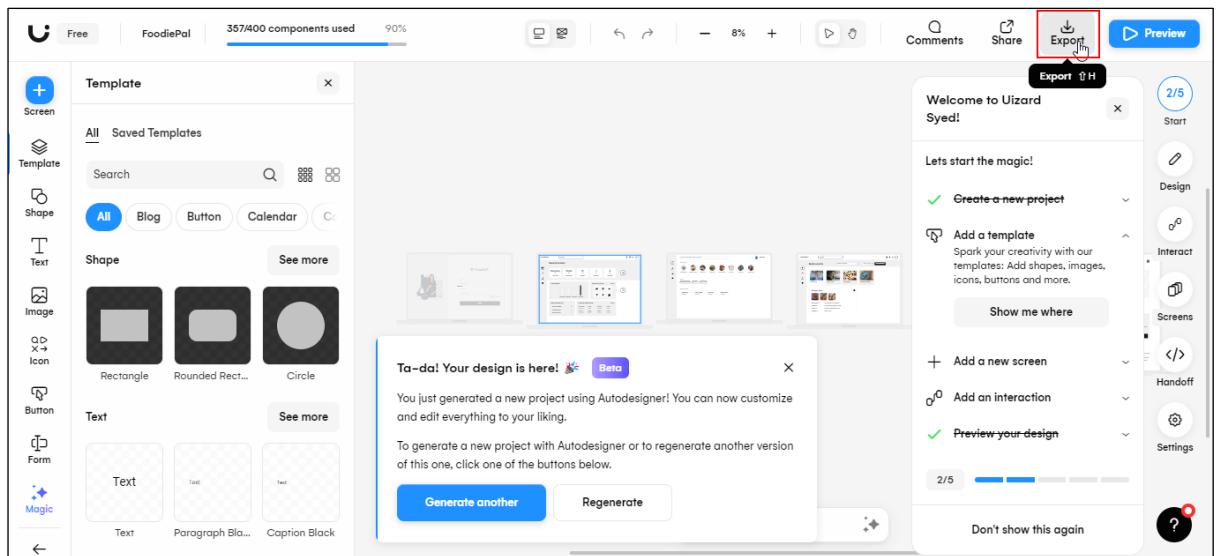
You will see the following page:

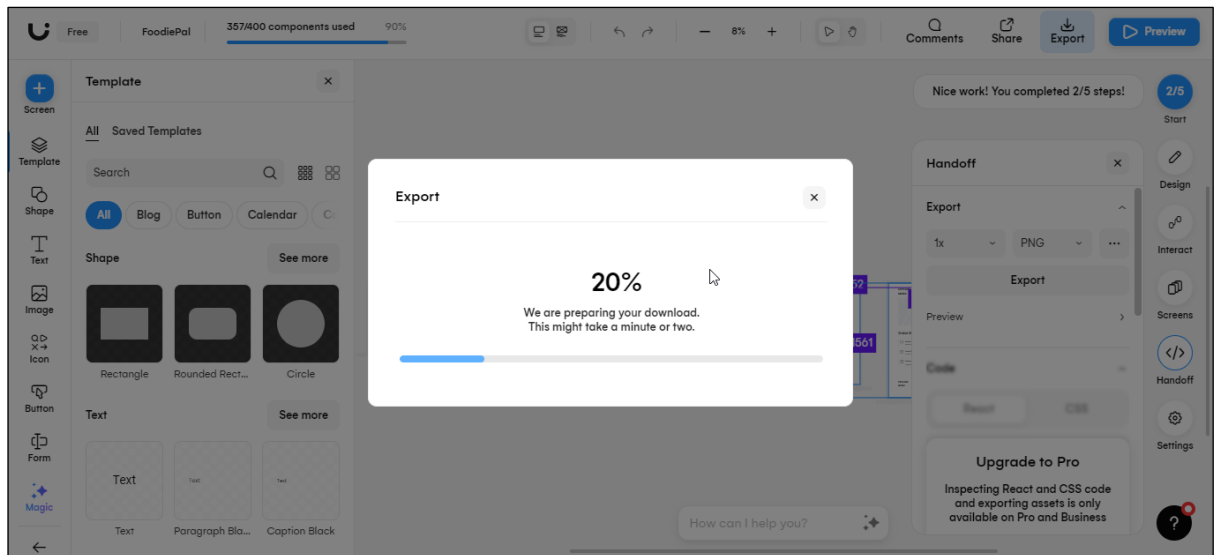


1.15 Click on **Overview** at the top of the page, as shown in the screenshot below:

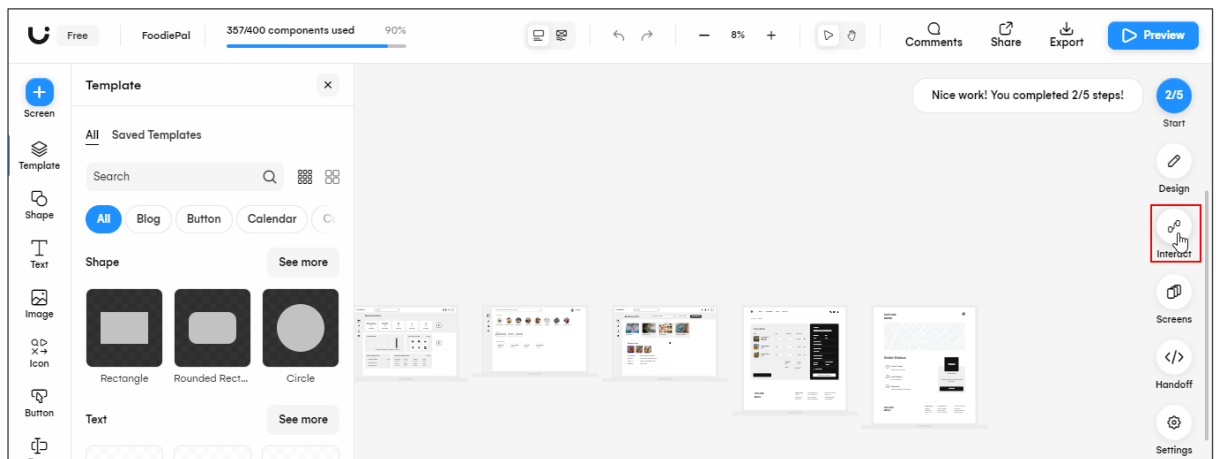


1.16 Navigate to the Uizard dashboard, select the generated pages, and click on **Export** at the top right; then click on **Export** to export the project as a zip file, as shown in the screenshots below:

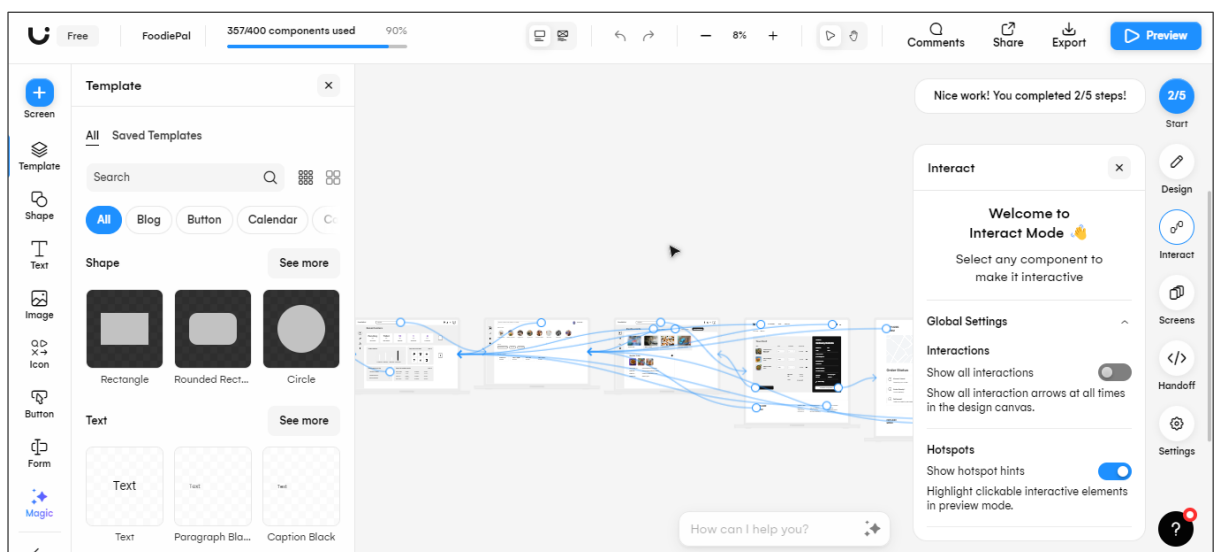




1.17 Click on **Interact** on the right pane, as shown in the screenshot below:



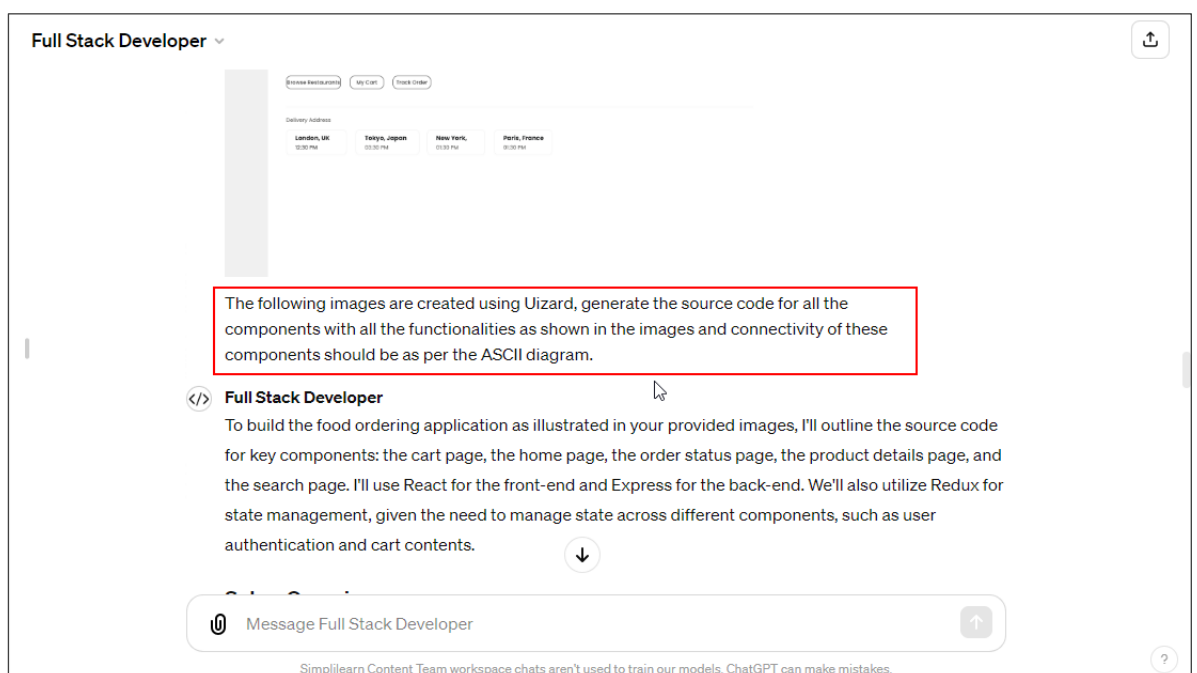
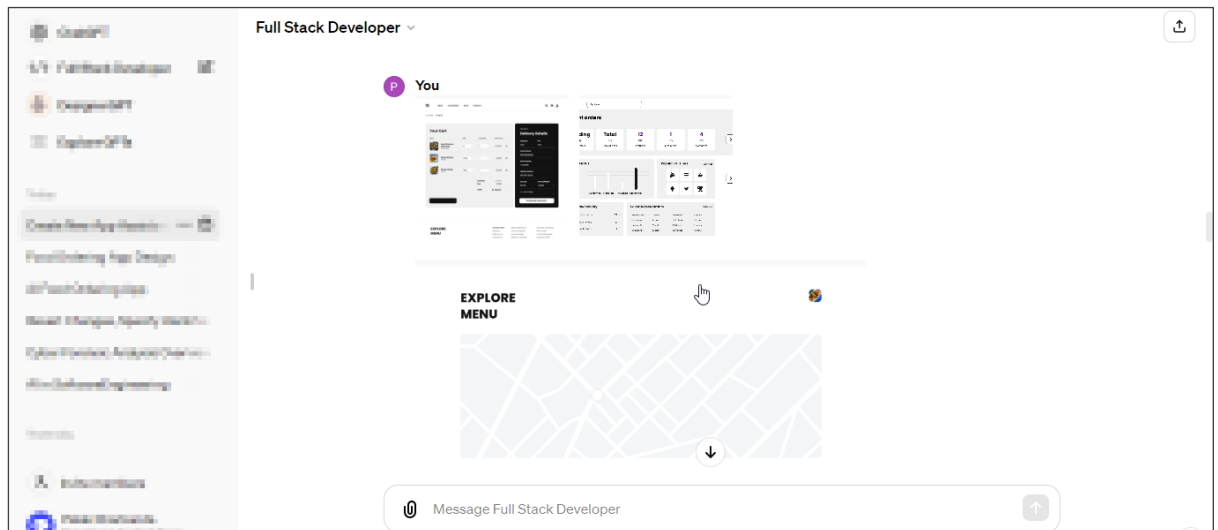
You will see the following interface:



Step 2: Generate the application source code using Full Stack Developer GPT

2.1 Upload the images downloaded from **Uizard** in GPT along with the following prompt, as shown in the screenshots below:

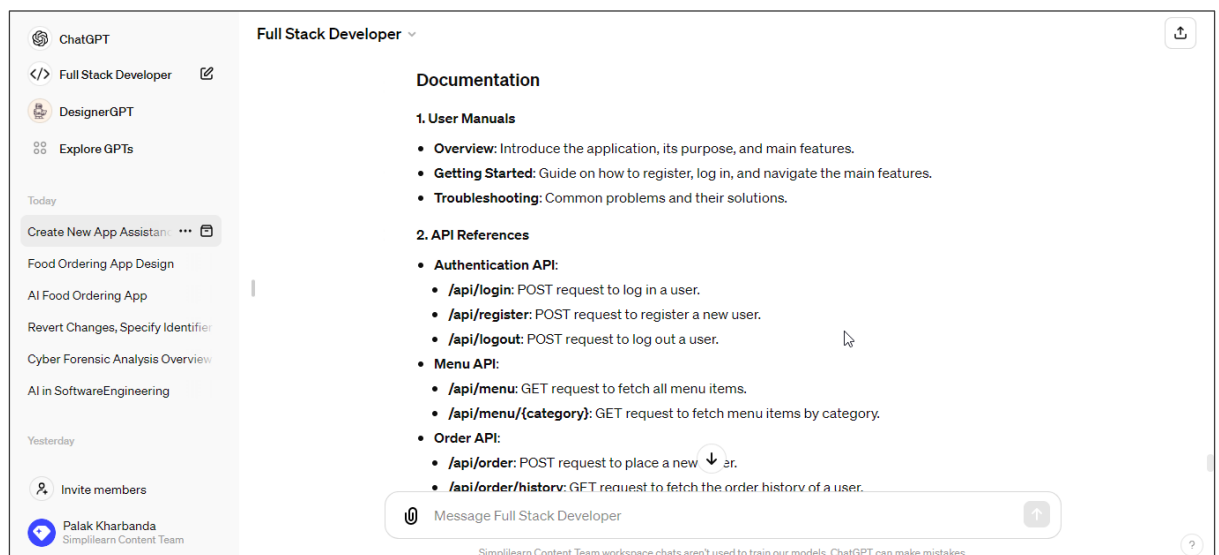
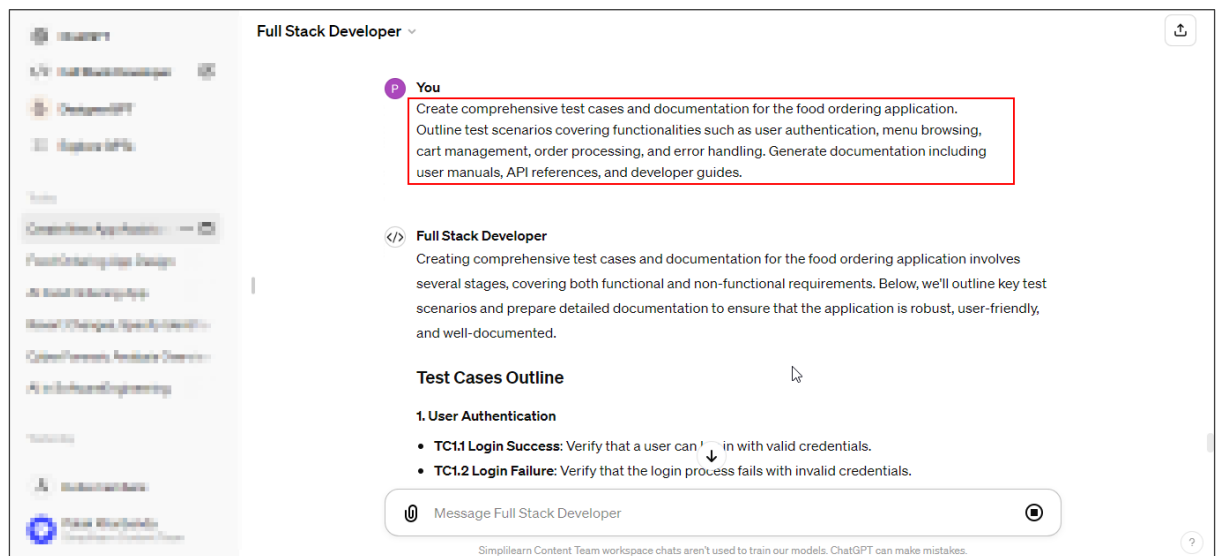
The following images are created using Uizard, generate the source code for all the components with all the functionalities as shown in the images and connectivity of these components should be as per the ASCII diagram.

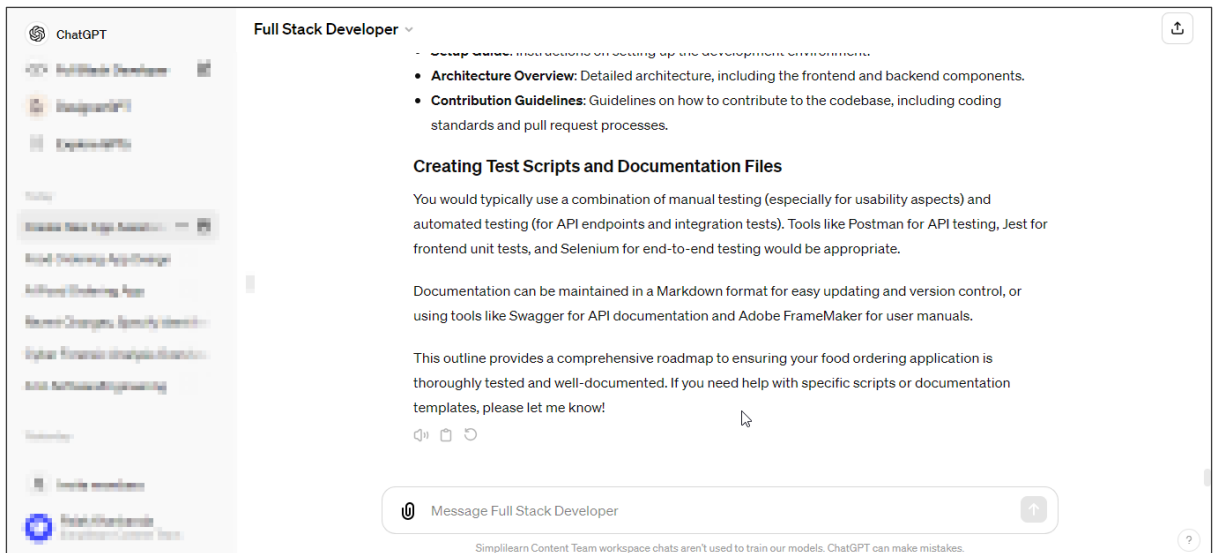


Step 3: Generate test cases and documentation via Full Stack Developer GPT

3.1 Use the following prompt to generate test cases and documentation, as shown in the screenshots below:

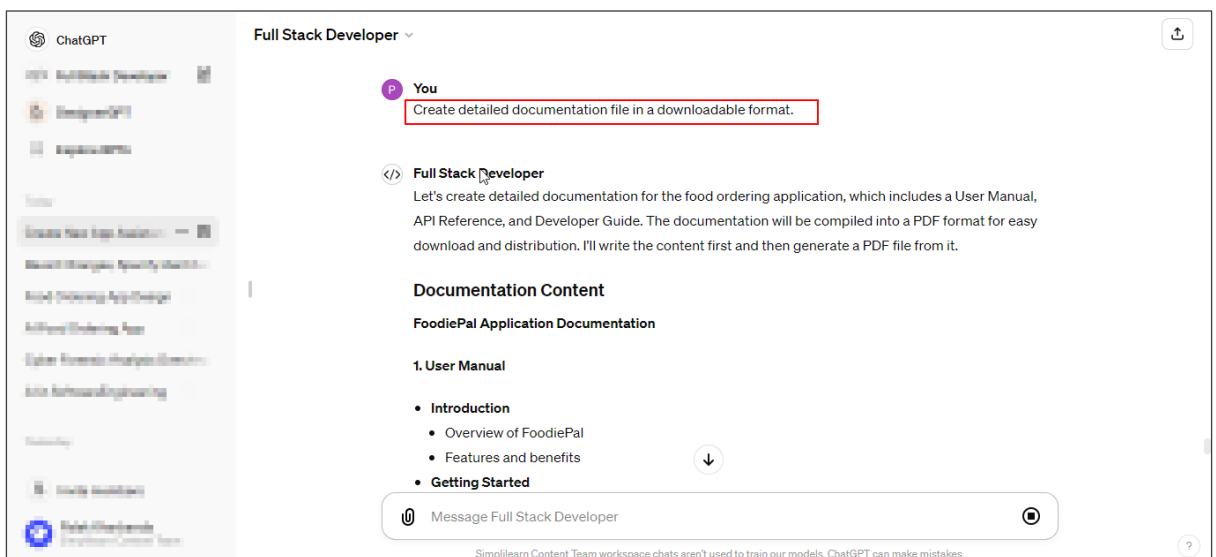
Create comprehensive test cases and documentation for the food ordering application. Outline test scenarios covering functionalities such as user authentication, menu browsing, cart management, order processing, and error handling. Generate documentation including user manuals, API references, and developer guides.



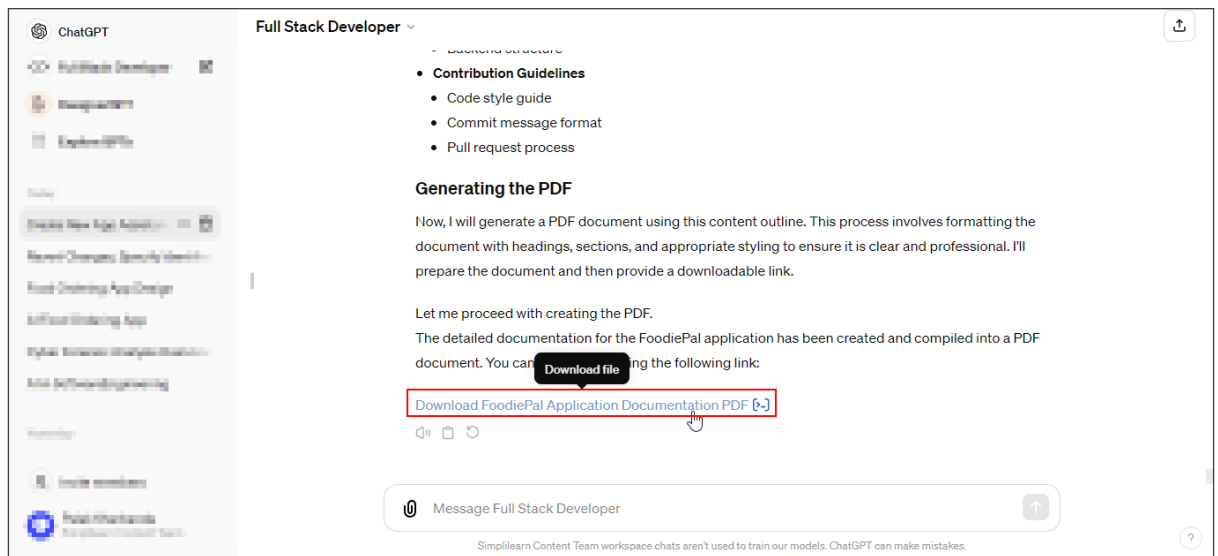


3.2 Use the following prompt to specify the downloadable documentation file, as shown in the screenshot below:

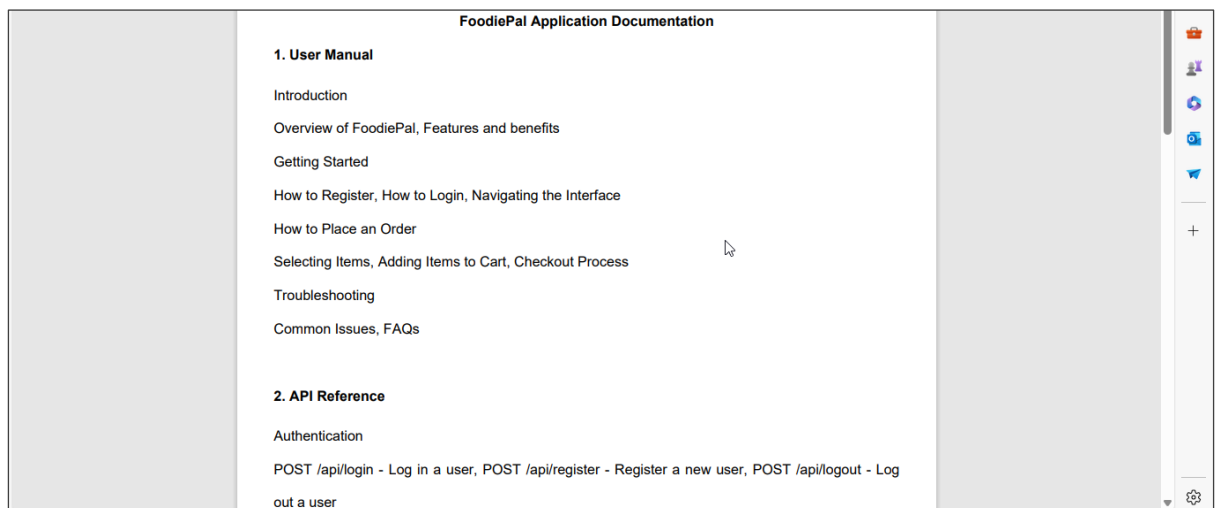
Create detailed documentation file in a downloadable format.



3.3 Scroll down and click on the **Download FoodiePal Application Documentation PDF** link, as shown in the screenshot below:



The documentation file looks as follows:



By following these steps, you have successfully created a food ordering application using generative AI tools to streamline development and user experience.