CS481 – Senior Capstone I
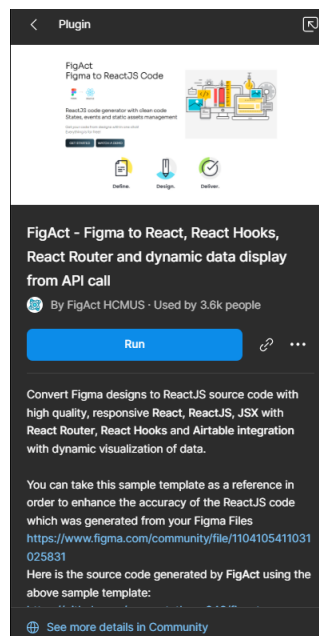
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Individual Task: How to integrate Figma UI to the React UI?

There are two plug ins that I found very helpful to convert a Figma project to React. A very helpful and interesting software to use is Anima which converts website designs from Figma, Sketch, Adobe XD, and Storybook, including all interactions and responsive behaviors into a complete React project with corresponding CSS and HTML code package. Anima is very helpful because it allows you to do changes on the code and see the prototype before you actually export it. However, it is not free. An upgrade is needed to generate the code and for this reason I used another plug in to convert Figma design into React UI. FigAct is another plug in that comes to help when wanting to convert designs into React applications. FigAct is a free plugin and below are the steps that I followed to generate the code from it.

1. Install the plugin

2. Fill the credentials required. To find the Figma Access token go to Settings and go to Personal Access Tokens and create a new personal access token. The generated token needs to be added at the Figma Access Token.
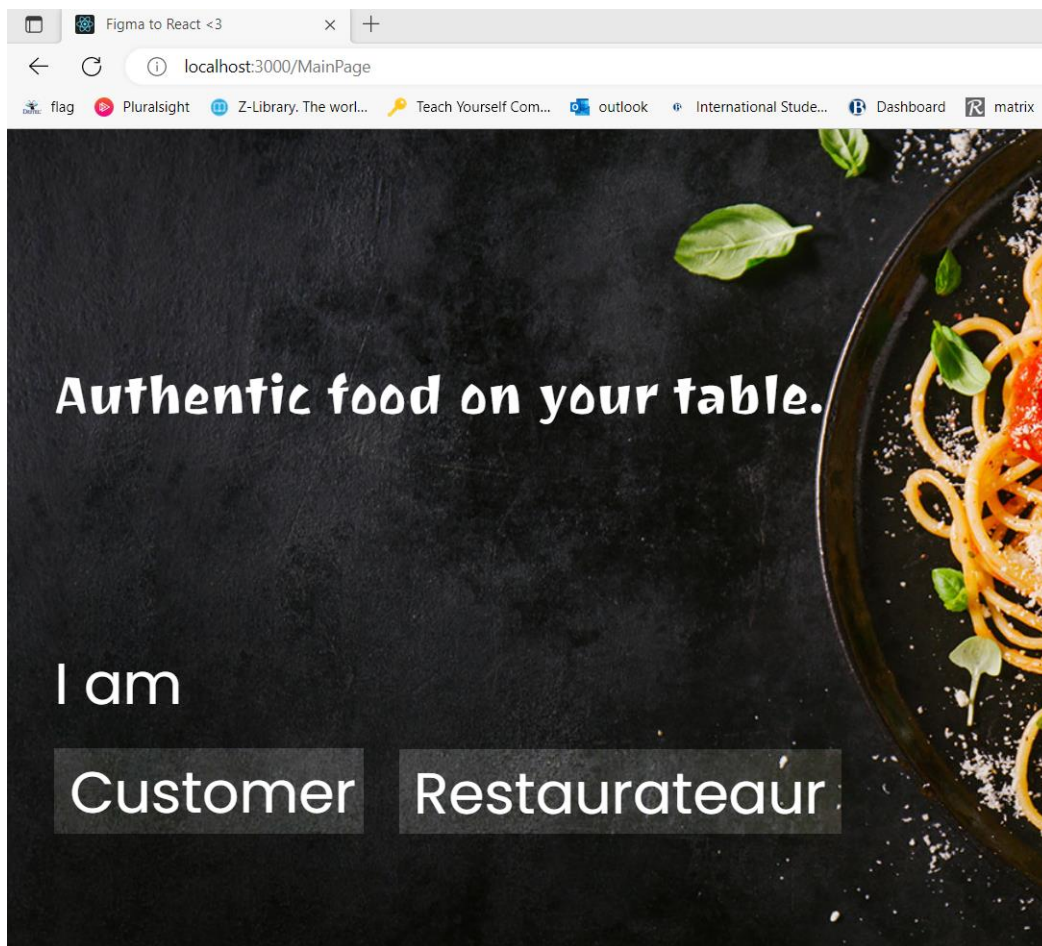

3. After the submission, FigAct will generate the full project under the ReactJS folder, and it is available to download it in a zip file.
4. After this all needs to be done is to run npm intall and npm run start to view the project.

The accuracy rate is 80% to 90% for the high quality and the responsive ReactJS navigation and button event within one click. The Figma interactions are reflected on the generated code with the help of React Router for frame navigations. Also, React Hooks is supported to deal with special components such as input, password, button components.

However, there are some limitations to be considered when using FigAct to convert Figma designs to ReactJS.

1. Not all element types are supported. For example, pseudoelements are not supported.
2. Not all CSS properties are supported or fully supported.
3. Only onClick action for page navigation is supported.

4. Types of media such as audio and video are not available.
5. Only supports SOLID and LINEAR_GRADIENT color type
6. Images sometimes cannot be downloaded from your Figma files.
7. The size of your frame will be automatically set to 1440px according to the design's standards.

(Screenshot from the React application after trying the code generated by FigAct)

To conclude the experience with FigAct, I would suggest reviewing and make changes to the code generated so the design appears at a better quality and to be nicer organized. The struggle I faced was the conversion of the frame's size. Anima had a better solution in case the frame was not set up at the standard size by using breakpoints that were after synced from Figma project to Anima project.