## DESIGN TECH EXERCISE:

**INTRODUCTION:** As the Design Technologist Intern on Tech Futures, you will get to tinker with emerging technology and explore new ways our customers interact with data. You will bring concepts to life by building prototypes for design research that leverage external and internal APIs. Please choose ONE of the following challenges, and we look forward to seeing what you create!

**DELIVERABLES:**

This exercise is not a test of React mastery but rather an opportunity to demonstrate resourcefulness and a basic understanding of working with APIs. Feel free to reuse sample code, animation frameworks, or any other inspiration to get something working quickly. We’re looking to see your design process, creativity, and your craft. We’d like to see a working demo and any artifacts you may have created to help with development. Please be ready to present your process, your work, and answer questions in person. The exercise should take about 3-5 hours.

**CHALLENGE A: TRIVIA DASHBOARD**

Using React, the wireframes on page 2, and the following trivia API, recreate the famous Jeopardy game board.

Your application must include (but are not limited to):

* Five Categories with five clues in each
* Categories and clues are randomly generated on load
* Answers to clues reveal on click

You can access trivia categories, clues, and answers for free with the following public API:

<http://jservice.io/>

To simplify setup time and focus more on the interface, you may fork and use the following online code sandbox to get started:

<https://codesandbox.io/s/technical-challenge-dhmjg?file=/src/App.js>

**CHALLENGE B: DESIGNER TOOL**

Using React, the wireframes on page 3, and the following image API, build an online tool that allows designers to generate stylish placeholder images based on custom parameters.

You can access Unsplash images and filters for free with the following public API:

<https://picsum.photos/>

Your application must include (but are not limited to):

* Specify height and width of images
* Toggle grayscale and blur
* Display 5+ images with the author

To simplify setup time and focus more on the interface, you may fork and use the following online code sandbox to get started:

<https://codesandbox.io/s/technical-challenge-dhmjg?file=/src/App.js>

**CHALLENGE A: TRIVIA DASHBOARD - WIREFRAMES**

Graphical user interface

Description automatically generated

**CHALLENGE B: DESIGNER TOOL WIREFRAMES**

Graphical user interface

Description automatically generated