Project Overview

- Objective: Complete a set of coding challenges using React and NextJS

Core Challenges

CSS Challenge:
- On /pizza page
- Make a circular pizza with 8 equal slices with pepperoni
- When a slice's crust is selected, that slice is removed
- When a topping (pepperoni) is selected, that topping is removed
- When hovering over a piece of pizza it should separate from the pizza and enlarge in a smooth transition. When the mouse leaves the piece of pizza it returns smoothly to its original shape.
- Provide a reset button to reset the state
- Make mobile responsive

Search Challenge:
- On the /search page
- Provide search form that lists the results of the search
- Partial entries should provide matches
- Pick any API to search against

Calculation Challenge:
- On the /pizza page and given the pizza challenge above
- Add a right click to add toppings (pepperoni) to the pizza at a specific chosen slice
- Provide a Calculate Cost button to calculate the cost of the pizza:
  - The base cost of the pizza is 10 EVERY
  - The cost of each peperoni is .025 EVERY
  - The cost of each piece of pizza is 1.5 EVERY

Additional Features

- Unit/Integration Tests: Write tests for key components using a testing framework like Jest and React Testing Library.

Time Frame

- Duration: 48 hours

Deliverables

- Code Repository: Submission should be in the form of a Git repository (e.g., GitHub, GitLab).
- Live Demo: Optionally, candidates can deploy their application using platforms like Vercel or Netlify.