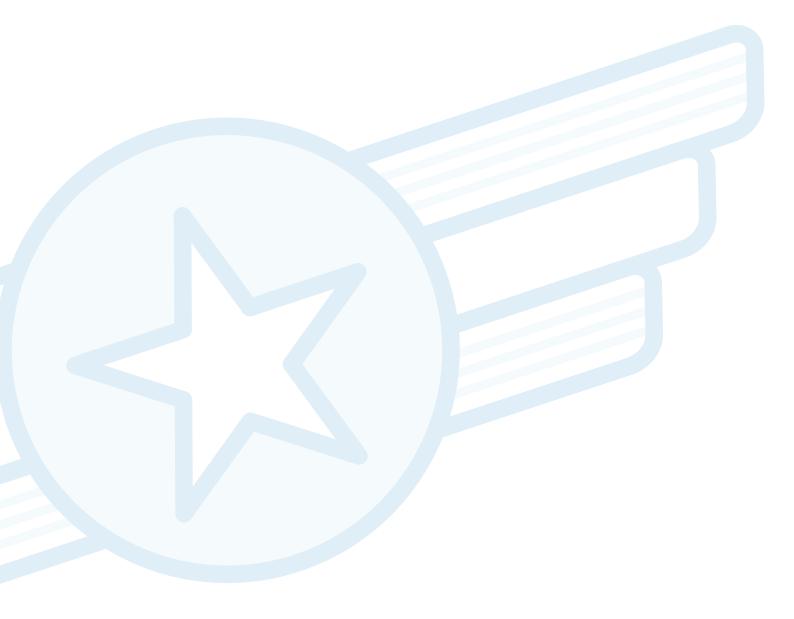
REACT DEVELOPMENT TEST

Battleship game



MAIN GOAL

Develop a simplified React version of the battleship game; player vs CPU.

GAME ELEMENTS AND CHARACTERISTICS

- 10x10 board size
- 1 carrier of 4 spaces
- 3 cruisers of 3 spaces
- 1 submarine of 2 spaces
- Ships must be straight lines
- Ships can be placed horizontally or vertically

BASIC GAMEPLAY

The game should have at least **3 screens** with the following components and actions. All mockups are just for reference and can be improved.

START SCREEN

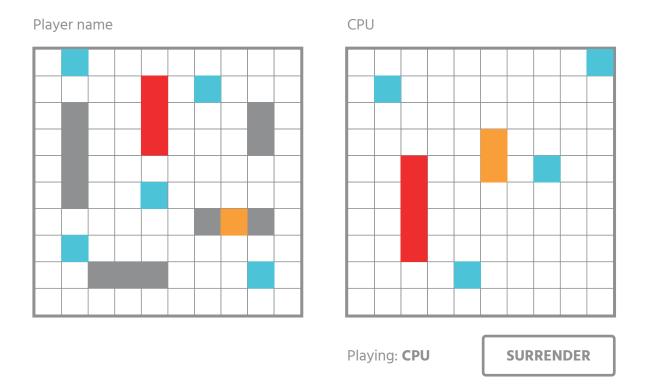
- Place your ships on the board
- Enter player name
- Button with "Start game" label

Player name

START GAME

GAME SCREEN

- Player and CPU boards
- Olicking on computer board, you launch your missiles
- ✓ Launched missiles reference
 HIT –orange–, DESTROYED –red–, MISSED/WATER –light blue–
- Attempt feedback (ship hit, ship destroyed, shot missed)
- CPU missiles can't be launched in random way (once the CPU hits a ship, the next shots must follow some strategy in order to sink the ship)
- Surrender button to end the game manually



END GAME SCREEN

- Restart button to go back to the Start screen

For more info about the game, check the Wikipedia article. https://en.wikipedia.org/wiki/Battleship_(game)

REQUIREMENTS

- You need to create a **GitHub repository** and send us the link so we can see the progress
- Please, try to commit often and use clear and concise commit messages
- The project must be bootstrapped with Create React App (https://github.com/facebook/create-react-app)
- You must use Redux to manage the application state
- Use Jest and Enzyme to test the application
- Each component must have its own test file
- Perform Snapshots testing
- Every developed test should be relevant
- Try to reach a good percentage of coverage
- Include ESLint using Airbnb's ESLint Rules (eslint-config-airbnb)
- Keep the use of third-party packages to a minimum
- Try to use the latest versions of the packages that are included
- Complex logic must be documented
- Should work in the latest versions of all major browsers (Edge, Chrome, Firefox and Safari), both desktop and mobile
- Ocode and comments must be in **English**

