

# Working Prototype Known Problems Report

**Product name:** HeatCode

**Team name:** Atomics (Alex, Olivia, Thomas, Isha)

## Known Issues (functions not working correctly):

### Spacing and input problems with Python text input box

- **Details:** CodeMirror isn't actually a Python interpreter so spacing can sometimes be easy to mess up on
- **Location of fault:** /code/[problemId], in code input
- **Input/action that causes failure:** Typing in code input box
- **Action for removal of fault:** Ensure proper number of spaces and explore using a different code input

### Not showing output when errors are present in user code

- **Details:** If there are any bugs in the functions ran, instead of 0/5 tests passed nothing will be shown
- **Location of fault:** /code/[problemId], in output under code input
- **Input/action that causes failure:** Inputting erroneous code, also happens intermittently for unknown reasons
- **Action for removal of fault:** Handling and printing errors

### userCode.py left in directory if errors are present in userCode.txt

- **Location of fault:** HeatCode/userCode.py
- **Input/action that causes failure:** Inputting erroneous code
- **Action for removal of fault:** Handling errors

### React produces a 404 logo error occasionally

- **Location of fault:** Home or code page, in terminal
- **Input/action that causes failure:** Unknown
- **Action for removal of fault:** Handling errors to catch before this appears

### Login page blank

- **Location of fault:** /login,

- **Input/action that causes failure:** when clicking 'login' in Navigation Bar or navigating to address /login
- **Action for removal of fault:** implement login and user database

Time elapsed count (intermittently does not show)

- **Location of fault:** /code/\*, under the submit button
- **Input/action that causes failure:** when on the page, the time elapsed only updates on user input or submission click
- **Action for removal of fault:** Have time elapsed update every second (performance implications)

Various console errors

- **Location of fault:** in console
  - Warning: Invalid DOM property `class`. Did you mean `className`?
- Warning: Each child in a list should have a unique "key" prop.
  - Uncaught (in promise) SyntaxError: Unexpected token P in JSON at position 0
  - Uncaught TypeError: Converting circular structure to JSON
- **Input/action that causes failure:** Loading any page
- **Action for removal of fault:** changing class to className, adding a key prop, fixing JSON data

Npm errors (unused imports, missing dependency, various other npm console errors)

- **Location of fault:** in console
- **Input/action that causes failure:** running `npm start`
- **Action for removal of fault:** Removing these imports and adding dependency