CS 1632 – DELIVERABLE 3: Systems Testing A Web Application

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Description of Issues

We found two similar defects in the Parse operation of Hoodpopper.

SUMMARY: The Hoodpopper app crashes when parsing one or more operators.

DESCRIPTION: If the user tries to parse code that is simply one or more operators like “+” or “-” and nothing else (no characters or integers), the application crashes.

REPRODUCTION STEPS: Navigate to the Hoodpopper webpage. In the Code box, type “+” and hit the “Parse” button.

EXPECTED BEHAVIOR: The AST is displayed containing “+”.

OBSERVED BEHAVIOR: The application crashes, and the following error message is displayed: “We’re sorry, but something went wrong. If you are the application owner check the logs for more information.”

SUMMARY: The Hoodpopper app crashes when parsing one or more special characters.

DESCRIPTION: If the user tries to parse code that is simply one or more special characters like “!” and nothing else (no letters or integers), the application crashes.

REPRODUCTION STEPS: Navigate to the Hoodpopper webpage. In the Code box, type “!” and hit the “Parse” button.

EXPECTED BEHAVIOR: The AST is displayed containing “!”.

OBSERVED BEHAVIOR: The application crashes, and the following error message is displayed: “We’re sorry, but something went wrong. If you are the application owner check the logs for more information.”

Executed Unit Tests