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CS5760 HCI and Usability
January 23, 2024

App Idea: The code critiquer is an app that can automatically detect errors in program files provided by users. The app can provide feedback for possible improvements and error correction through a text display within the apps interface. Error detection and feedback provision are accomplished through the use in an internal database.

Users:

Programming students

- beginner programmers taking programming courses
- Expected age range: 18-21
- Programming knowledge level: beginner
- General computer knowledge level: intermediate

Independent learners

- programmers not taking a formal programming course
- Expected age range: 16-25
- Programming knowledge level: beginner
- General computer knowledge: intermediate

Professors

- programming teachers providing the app to students
- Expected age: 30-60
- Programmer knowledge level: expert
- General computer knowledge: expert

User Goal Table

Students	<ul style="list-style-type: none">• Feedback on code• Finding errors in code• Learning how to fix those errors• Avoiding future errors• Improved grades in courses
learners	<ul style="list-style-type: none">• Finding errors in code• Learning how to fix those errors• Avoiding future errors• Learning coding through correcting errors
professors	<ul style="list-style-type: none">• More efficient grading• Additional resources of students to improve their code• Assistance with finding and correcting errors they might otherwise miss