CoCode

RCOS Proposal Summer 2020

Description

CoCode aims to solve every GitHub user's favorite issue: the merge conflict. In a general sense, CoCode is a code editor that attempts to streamline version control in a more intuitive way. By incorporating a graphical interface, we intend to simplify the version control procedure so that it takes up as little time as possible. In the future, we hope to expand CoCode with more group-oriented features, such as live code editing, roles and permissions, and in-app compilation and code execution.

The primary objective for the semester is to finalize a basic code editing environment with an integrated version control feature, akin to that of Eclipse's GitHub integration. We expect to get a minimal version of this done by the end of the semester, as well as a friendly UI for any willing beta testers.

Schedule

June 26
- Basic UI
- Version control working for single repository

July 10 (MVP)
- Code Editor
- Version Control for multiple repositories
- Merge Conflict Support

July 17
- Version Control permissions (group support, with roles)

July 24
- Syntax Highlighting
- Ensuring easily manageable merge conflicts

July 31
- Bug Fixing, Beautifying UI
- Extras, if time permits (Example: Live Code Editing)

Team Members

Michael Ruvinshteyn
Jennifer Zhang
Edward Lee
Sen Francis
Richard Le