



ROSE-HULMAN
INSTITUTE OF TECHNOLOGY

Compile.io

DEVS: Joshua Palamuttam, Mike Riley, Zach Foote, Zach Thelen

CLIENTS: Sam Pastoriza, Donald Sisco, James Edwards

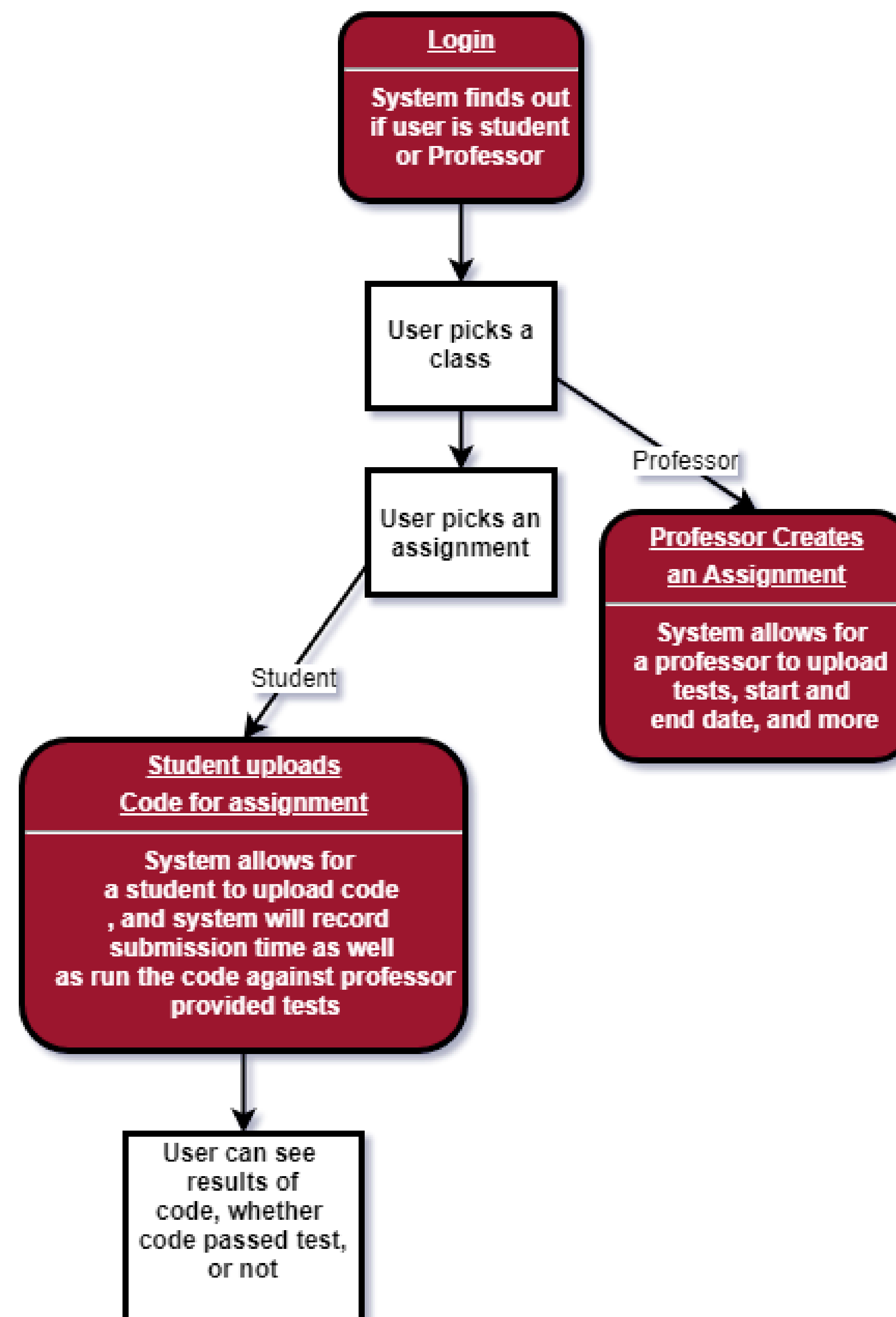
What is this?

Compile.io is a web-based application for students and professors to be used as a central system for all CSSE courses at Rose-Hulman. Students are able to submit code that will be compiled and have tests ran on it with quick feedback for the student and ease of grading for the professor.

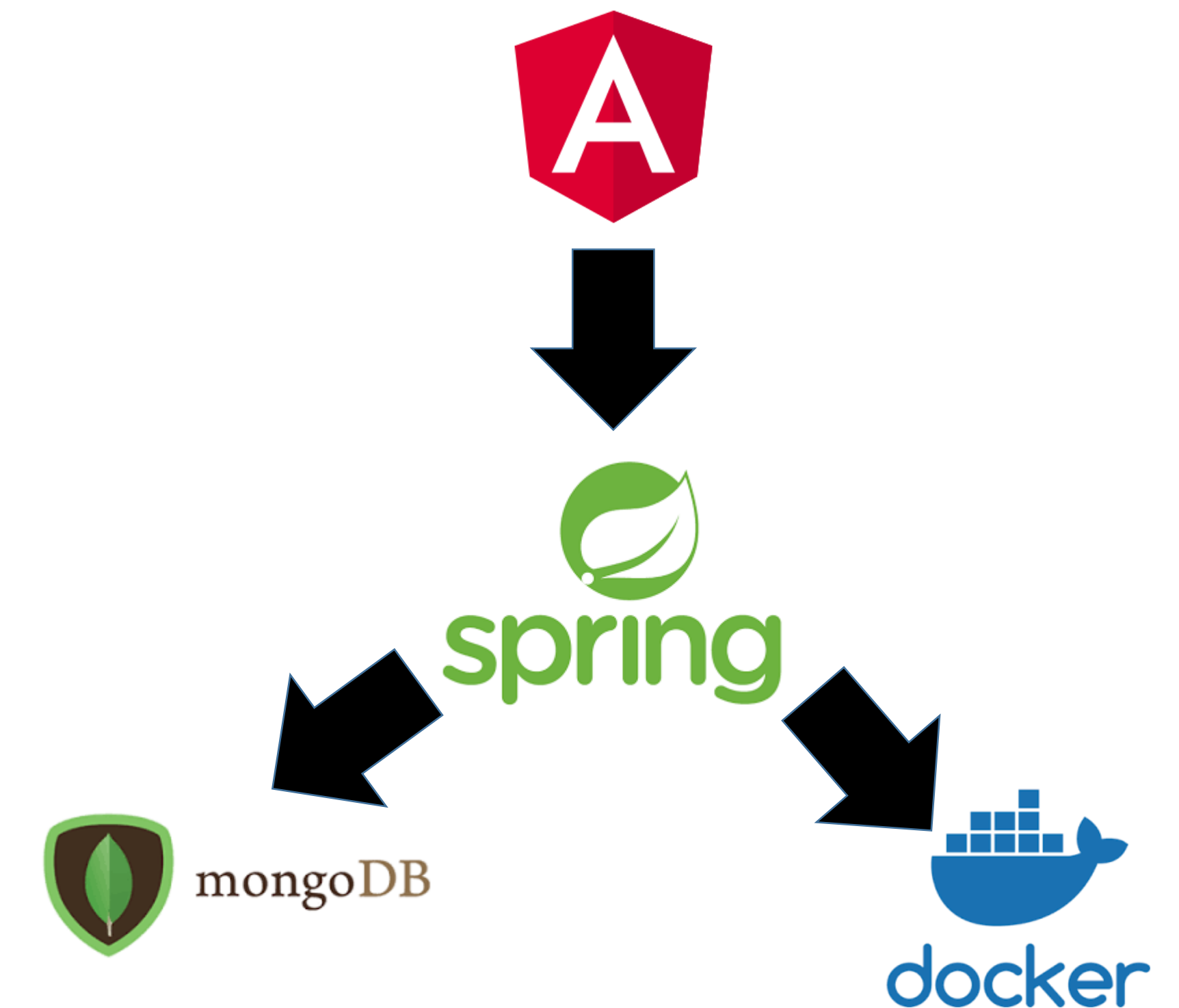
Features

- Students can submit code in multiple languages to a server and receive feedback.
- Professors can configure homework assignments
- The system is scalable to handle multiple classes worth of submissions at a time.
- System uses Authentication through RoseFire

Typical Use Case



Tools Used



Challenges

- Development with tools the team hasn't used before.
- Getting JUnit to work inside of Docker and be flexible
- Finding the right Gradle dependencies within Spring and Docker
- Incorporating skills from CSSE374, CSSE371, CSSE376, CSSE333 all into one project
- First time doing our own project planning and management