

Project #4 – Verification and Grading of Programs

Purpose: Allow teachers to either manually or automatically grade assessments

Target Users: Teachers are the target users as they have the most need to grade their students' work. However, all users should be able to “grade” their own program.

Responsibilities

This team will be responsible for the creation of the grading feature. This will include automatically grading code and allowing teachers to manually grade programs.

Use Case: Teachers will create and deploy assessments to students. Students should only be able to edit these assessments while the teacher allows them to

Features:

- Automatic grading of programs
- Manual grading of programs
 - Rubric implementation
 - Creation and storing of rubrics
- Self and peer feedback
 - Including using rubrics created by teachers to grade
- Separation of the verification and compiling server so that a teacher can quickly view if a student's program compiles
- Teachers sending feedback directly to students
- Pages
 - Grading pages for teachers (Gradebook)
 - Include code replay and final code
 - Viewing grades for students

Teams you will collaborate with:

- Authentication
- Workspaces
- Assessments
- Others, as needed

Concerns: Some concerns include automatically grading programs as they can have multiple solutions for the same outcome

Current Website: CASMM.org, code replay, XML (template?)

Similar Website: <http://drscratch.org/>