Release Summary
Product name: Peergrader
Team name: Peergrader
Release name: Peergrader
Release date: Jun 7, 2024

Key user stories and acceptance criteria:

- View Student Dashboard: As a student I want to see my dashboard with my courses and assignments that I need to complete in an organized manner.
- Create Course: As an instructor I want to be able to create a course and see all the students in my course.
- Create Assignment: As an instructor I want to create an assignment with a specific rubric per assignment and assign it to a course.
- Different Logins: Login with different account types
- Submit Assignment: As a student I want to be able to go to an assignment and turn in a file.
- Grade Peer Submissions: As a student I want to be able to see all the people I need to grade, be able to see their submissions, and give them a grade based on the rubric for that assignment.
- Add Comments on PDF Submissions: As a student I want to be able to comment on the pdf when grading other students to provide specific feedback.
- View Grading Score: As an instructor I want students to get a grading score based on how well they graded others.
- View Class Progress: As an instructor I want to be able to see the progress the class has made on turning in and grading
- View Scores and Feedback: As a student I want to be able to see the scores I have been given and what I lost points for.
- Customize Profile: As a student or teacher I want to be able to customize my profile.
- View and Export Student Scores: As an instructor I want to be able to see the scores students have been given and export to CSV.
- Customize Course Settings: As an instructor I want to be able to have customization over course settings to suit my needs.

Known Problems:

- Security: The application is not secure. Many pages need to have access restricted, and more robust security such as RLS or verification are required.
- Feature: The /grade page is unavailable to the teacher. There is currently no way for a teacher to view feedback beyond a simple number grade.
- Feature: There are several elements that should be editable that are not, namely assignment data for the instructor.
- Improvement: The image cropper for profile pictures is functional, but requires some improvement to be production ready.
- Improvement: The markdown editor for creating assignments needs further testing and improvement. Code blocks are a known issue.
- Bug: Behavior on the /courses page can be unexpected for student accounts. The page should always redirect to /dashboard, but this is not always the case
- Bug: Cached data is not always cleared on logout. This is more common with slow wifi or when resuming a session.
- Bug: There are several problematic requests made to the database from the /dashboard page. The effects of these need more time to diagnose, but likely affect the display of assignment and/or profile data in certain cases.
- Bug: There are several instances when a divide by zero error occurs during grade calculation. This is only an issue when a student doesn't complete the assignment, and it is handled by the client. Nevertheless this requires more attention.
- Optimization: Many performance issues exist, and thorough code review is required before the product is ready for production use.

Product Backlog
- As an instructor I want to be able to edit an assignment
- As an instructor I want to be able to have more customization over grading
- As an instructor I want to see the grades students have given to each other
- As a student I want to be able to dispute a score.
- As a student I want to be able to leave a course
- As an instructor I want to be able to sync grades with Canvas API.
  As an instructor and student I want to be able to notify students/get reminders about assignment deadlines and grades.
- Computer vision to identify problems in the user submissions