

**Product name:** Peergrader

**Team name:** Peergrader

**Release name:** Peergrader

**Release date:** Jun 7, 2024

**Revision number:** 1

**Revision date:** Apr 11, 2024

## **Goals:**

- A clean and intuitive design for peer grading papers and assignments
- Reduce the time between submission and grade release
- Allow students to learn and improve from peer feedback
- Free instructors from tedious grading tasks

## **MVP:**

Students:

- Join a course
- Upload PDFs of their work
- Are assigned and can grade other students based on professor rubric

Instructors:

- Create courses, invite students
- Create rubric and assignments
- Get final student scores

## **User Stories**

Total story points per week: 60

### **Sprint 1**

- User Story 1.1 [20 story points] As a student I want to see my dashboard with my courses and assignments that I need to complete in an organized manner.
- User Story 1.2 [15 story points] As an instructor I want to be able to create a course and see all the students in my course.
- User Story 1.3 [15 story points] As an instructor I want to create an assignment with a specific rubric per assignment and assign it to a course.
- User Story 1.4 [10 story points] Login with different account types

### **Sprint 2**

- User Story 2.1 [10 story points] As a student I want to be able to go to an assignment and turn in a file.

- User Story 2.2 [20 story points] 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.
- User Story 2.3 [15 story points] As an instructor I want to be able to customize the score based on grading, grading score, and score on rubric. And customize assignment deadlines - submission and grading.
- User Story 2.4 [20 story points] As a student I want to be able to comment on the pdf when grading other students to provide specific feedback.

#### Sprint 3

- User Story 3.1 [20 story points] As an instructor I want students to get a grading score based on how well they graded others.
- User Story 3.2 [10 story points] As an instructor I want to be able to see the progress the class has made on turning in and grading.
- User Story 3.3 [15 story points] As a student I want to be able to see the scores I have been given and what I lost points for.
- User Story 3.4 [5 story points] As a student or teacher I want to be able to customize my profile.

#### Sprint 4

- ~~— User Story 4.1 [10 story points] As a student I want to be able to dispute a score.~~
- ~~— User Story 4.2 [30 story points] As an instructor I want to be able to sync grades with Canvas API.~~
- ~~— User Story 4.3 [20 story points] As an instructor and student I want to be able to notify students/get reminders about assignment deadlines and grades.~~
- User Story 4.1 [15] As an instructor I want to be able to see the scores students have been given and what I lost points for and export to CSV.
- User Story 4.2 [15] As an instructor I want to be able to have customization over course settings to suit my needs.

### Sanity Check

Each of our sprints has around 60 story points. The work is well distributed and I think we should be able to accomplish the objectives we have set in each sprint. I think sprint 4 will be the most difficult since we have two very big tasks and we may have less time towards the end of the quarter.

### Product Backlog

- Computer vision to identify problems in the user submissions

## **Technologies**

- next.js
- Typescript XML
- PostgreSQL

## **Infrastructure:**

- Auth: Supabase
- Postgresql database: Supabase
- Storage (files): Supabase
- Deployment: Vercel
- GitHub: Version control