Peergrader
April 12, 2024

Christian Knab (SCRUM Master), Aastha Verma, Eric Chuang, Eliah Reeves (Product Owner)
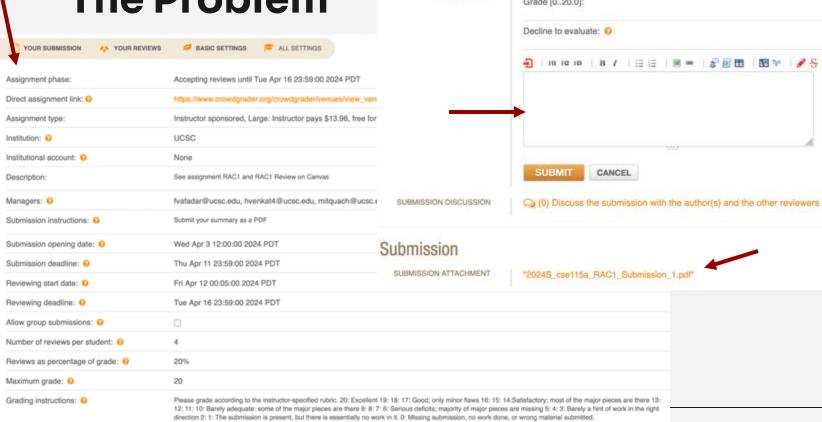
01

Why Peergrader?

The Problem

REVIEW INSTRUCTIONS
Please grade according to the instructor-specified rubric. 20: Excellent 19: 18: 17: Good; only minor flaws 16: 15: 1
10: Barely adequate: some of the major pieces are there 9: 8: 7: 6: Serious deficits; majority of major pieces are m
submission is present, but there is essentially no work in it. 0: Missing submission, no work done, or wrong materia

YOUR REVIEW

Grade [0..20.0]:

Decline to evaluate:

SUBMIT   CANCEL

SUBMISSION DISCUSSION   (0) Discuss the submission with the author(s) and the other reviewers

| YOUR SUBMISSION | YOUR REVIEWS | BASIC SETTINGS | ALL SETTINGS |

Assignment phase:	Accepting reviews until Tue Apr 16 23:59:00 2024 PDT
Direct assignment link:	https://www.crowdgrader.org/crowdgrader/venues/view_ven
Assignment type:	Instructor sponsored, Large: Instructor pays $13.98, free for
Institution:	UCSC
Institutional account:	None
Description:	See assignment RAC1 and RAC1 Review on Canvas
Managers:	fvafadar@ucsc.edu, hvenkat4@ucsc.edu, mitquach@ucsc.e
Submission instructions:	Submit your summary as a PDF
Submission opening date:	Wed Apr 3 12:00:00 2024 PDT
Submission deadline:	Thu Apr 11 23:59:00 2024 PDT
Reviewing start date:	Fri Apr 12 00:05:00 2024 PDT
Reviewing deadline:	Tue Apr 16 23:59:00 2024 PDT
Allow group submissions:	
Number of reviews per student:	4
Reviews as percentage of grade:	20%
Maximum grade:	20
Grading instructions:	Please grade according to the instructor-specified rubric. 20: Excellent 19: 18: 17: Good; only minor flaws 16: 15: 14:Satisfactory; most of the major pieces are there 13: 12: 11: 10: Barely adequate: some of the major pieces are there 9: 8: 7: 6: Serious deficits; majority of major pieces are missing 5: 4: 3: Barely a hint of work in the right direction 2: 1: The submission is present, but there is essentially no work in it. 0: Missing submission, no work done, or wrong material submitted.

Submission

SUBMISSION ATTACHMENT   "2024S_cse115a_RAC1_Submission_1.pdf"

Our Solution

Professors

Professors don't have the bandwidth to grade hundreds of students

Provide a cheap, modern design, with integration to Canvas gradebook for easy grade publishing

Students

Students don't like the current tool, Crowdgrader

A more intuitive interface increases usability and confidence about submissions & grading

Project Scope

Peergrader will provide...

Intuitive UI

Customizable courses/ assignments

Grade peers

Get timely feedback

02
Sprints

Sprint 1

User Stories
- As a student I want to see my dashboard with my courses and assignments that I need to complete in an organized manner.
- As an instructor I want to be able to create a course and see all the students in my course.
- As an instructor I want to create an assignment with a specific rubric per assignment and assign it to a course.
- As a user I want to be able to login securely with the option for different account authentication methods

Spikes
- Learn next.js, React, Typescript

Infrastructure tasks
- Set up Supabase auth, database, storage bucket
- Set up Github repo

Sprint 2

User Stories
- As a student I want to be able to go to an assignment and turn in a file.
- 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
- 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.

Infrastructure tasks
- Add more tables to the postgresql database

Sprint 3

User Stories
- Students should be given a grading score based on how well they graded others.
- As an instructor I want to be able to see the progress the class has made on turning in and grading.
- As a student I want to be able to see the scores I have been given and what I lost points for.
- As a student or teacher I want to be able to customize my profile.

Spikes
- Set up testing environment

Sprint 4
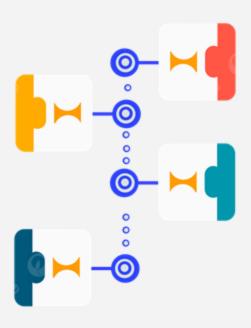
User Stories
- As a student I want to be able to dispute a score.
- As an instructor I want to be able to sync grades with Canvas API.
- As an instructor and student I want to be able to notify students/get reminders about assignment deadlines and grades.
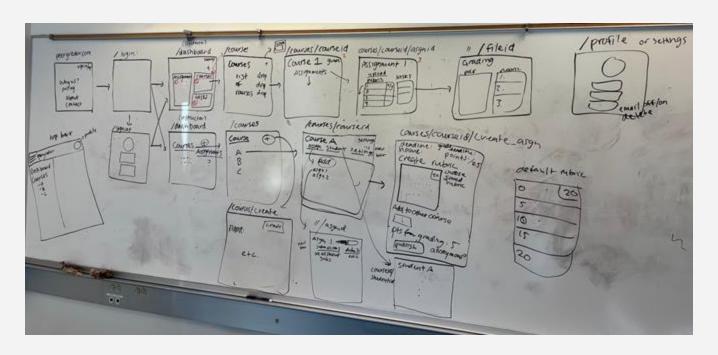
Spikes
- Learn how to use Canvas API
- Increase security

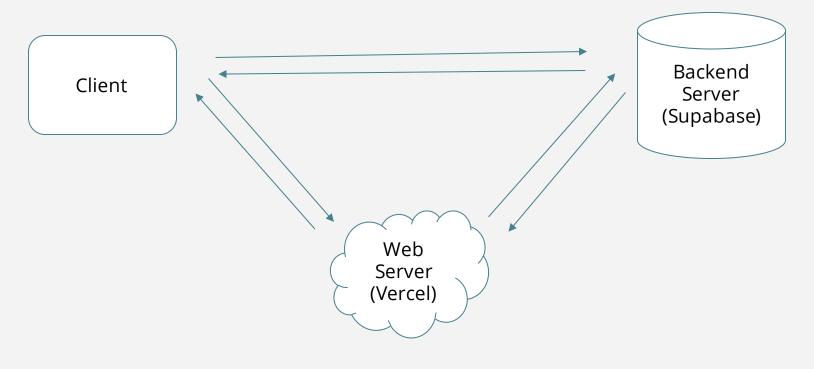Infrastructure tasks
- Set up Vercel deployment

03

Planning

Website Outline

Architecture

Technologies

Supabase

Auth, postgresql, storage

Next.js

React-based web framework

Vercel

deployment

Tailwind

Frontend - styling

Challenges/Risks

Security

Providing secure website and a secure database that prevents unauthorized access to user files and course data.

Scaling

Will need to optimize website reads and storage to not incur high costs.

Competition

Crowdgrader

Peergrade.io

Peermark (turnitin)

MVP

Students

Join a course

Upload PDFs of their work to an assignment

Are assigned and can grade other students based on professor rubric

Professors

Create courses, invite students

Create rubric and assignments

Get final student scores

Thanks!