Assignment Submission & Review App

# Requirements

A student should be able to login to our application and see a dashboard that outlines the following info:

- What assignments are due, and when

- (perhaps) a page to review past assignment submissions

- Status of an assignment that's currently under review and if it needs tweaking

- A way to submit (or re-submit) an assignment for review

When submitting an assignment, the student will be asked to provide the following info:

- GitHub URL to public Repo

- Which branch is the correct one

Once submitted, the status updates from "pending submission" -> "submitted"

**Bonus Feature**: leverage GitHub API to verify if a URL points to a public repo, and get a list of branches to populate the "branch" dropdown

Once a student has submitted an assignment, an email notification should be sent to all active code

reviewers letting them know that a new code review is ready. The first code reviewer to claim

the review will be able to start working on it (and now it's unavailable to others for review).

Once a code reviewer has claimed a submitted assignment, the status changes from

"submitted" -> "in review"

**Bonus Feature**: if a code reviewer has claimed a review and hasn't completed it within 24 hours it is sent back to the previous status, and anyone can claim it.

A code reviewer can reject a code review if it doesn't satisfy the assignment's criteria.

When a code reviewer rejects an assignment, the status will change from "submitted" -> "needs update"

When this happens, a notification will be sent to the student telling them they need to do

more work on that assignment. Once they've done their work, they can revisit that assignment

for re-submission (perhaps prompt them to make sure they've pushed their changes).

When a student re-submits an assignment, they will be given a chance to change their github url + branch, then it will move from "needs updating" -> "in review" and get assigned back to the same code reviewer. A notification will be sent to the code reviewer.

When a code reviewer has successfully completed their review, they will be able to submit

their finished review (by adding a URL to a video recording) and then a notification

will be sent back to the student. The status will change from "in review" -> "completed"

Also, for each cohort of students, we will need to have an API that allows for an

Admin role to create user accounts

## Daily batch jobs

* Notifies code reviewers for reviews that are sitting stagnant and waiting for review
* Notifies students if their rejected assignments are still needing tweaking

## Appendix

**Statuses**: pending submission, submitted, in review, needs update, completed