

Team Contract - CoCompose

6.170 Final Project

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Expected Achievement and Effort

Our team would like to get an A. Additionally, each team member would like to contribute equally to the project.

We have an expectation for each team member to contribute approximately 9 hours a week to the project. When tasks are delegated to members, every effort will be made to ensure the work is distributed evenly. We hope that by the end of this project, every member will have gained valuable experience designing and implementing web apps, from back-end to front-end. More importantly, we want every team member to have fun while working on this project. We also hope that by the end, we will have an awesome app to show off.

Goals

Jessica: Learn to design and implement a collaborative web application, improve design and coding skills

Kim: Improve front-end design skills, learn how to create a collaborative web application

Lisandro: Learn to create a realtime collaborative app, learn to use sockets with js and node, learn to use midi.js

Stuart: Get better with Node and have my designing process become more instinctive

Team Meetings

We will hold twice weekly meetings: from 12:30-2:30pm on Tuesdays and Thursdays, on the first floor in Stata.

We will hold additional meetings if necessary, preferably on Wednesday at some location on campus.

These meetings will focus on design decisions and overall direction of the project for the most part. We will assign tasks, review what we have accomplished so far, and check to make sure we are on track towards completing our internal deadlines and our project on time.

Implementation will happen individually. There will be optional implementation sessions, located in Kim's dorm room at a to be determined time. This will allow team members to ask questions and get them answered quickly. These can include clarifications on design specifications and questions regarding syntax and node.

Quality Maintenance

Design Doc:

Every section in the design document will be done by a single team member, but to ensure a high quality of work, we will write up the design doc in a shared Google Doc in order to check each other's work and make suggestions throughout the process. Since we have an internal "finish everything 24 hours before the actual deadline" deadline, we will have time after our internal deadline to review the design doc and check each section. Each data model created will be discussed thoroughly by the entire group in order to ensure that it is comprehensive and correct.

Code:

Each feature/section of code assigned to a team member will also have a second team member assigned as code reviewer for that feature. The team member assigned to the feature will write their own tests and specs, and the reviewer will look for edge cases, write additional tests, and make suggestions for improvements. This will ensure that each feature has clear specs, has been sufficiently tested, and has good readability. The reviewer will also check that front-end design is in keeping with the overall design of the application, which will be agreed upon before implementing the MVP.

We will also have each team member check out a new branch when implementing a new feature in order to maintain a working master branch.

Tasks and Deadlines

Tasks will be assigned such that the work is divided evenly among all team members. When deciding on tasks, we will discuss among all team members and consider each person's interests and abilities when assigning work. We will attempt to ensure that every team member gets to work on both front-end and back-end aspects of the project.

To ensure that we meet deadlines on time, we have decided to set an internal deadline that is 24 hours in advance of the ones set in the course schedule. We expect each team member to have their section of the work done at this time. If for some reason, a person is unable to accomplish his or her tasks before the internal deadline, then it is expected that the other team members will step in and help complete the task as soon as possible. Afterwards, the infracting party has the possibility of being assigned additional work the next time around to make up for their lapse. If one person misses more than one internal deadline, a group meeting will be held to discuss. However, if multiple people are missing internal deadlines, then it may be that our project and tasks are too ambitious, and we will meet to discuss possibly scaling back the scope of our project.

How decisions will be made and disagreements resolved

Decision will be made by discussion and voting if there is disagreement. The majority vote will be the course of action we will take as a team, but all sides of any argument are encouraged to

come forward with their perspective on the problem we are facing. In the case there is no majority (even split, 2-2), we will go to ShraWen for the ultimate decision! (We will discuss it more and try to gain other perspectives to see if we can come to a solution).

If there are disagreements between individual members, they will be discussed by the entire group if they cannot be resolved quickly and easily to ensure there are no fragmented parties within our team. We will try to limit the amount of conflict that arises within our team for the sake of making sure we can remain cohesive and create the best app possible together!