Project Report: CodeRoom

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# Executive Summary

CodeRoom is designed to be an online instant messaging service with a focus on code-sharing compatibility. Many popular services do not keep code formatted as it should be when sharing snippets. This ruins the organization and sometimes the functionality of the code shared, forcing developers to fix formatting manually. The goal of formatting code was accomplished successfully, as well as website layout and design, but several features are still missing from CodeRoom.

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# 1 Requirements Comparison

Our initial specifications for CodeRoom were followed as laid out in our project plan, but many of the features are incomplete. We used the AngularJS format, with TypeScript to define the functional aspects of the website, and HTML/CSS to define the layout. We also used Firebase as our hosting service, though the Firebase database was never setup to store user groups and posts.

**2 Timeline Comparison**

Below is our initial schedule, which was followed for the most part. We ended up skipping our week 9 and 10 tasks due to time constraints, instead focusing on implementing more important features.

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**3 Project Expectations vs Results**

Coming in, CodeRoom was supposed to be a website for sharing correctly formatted code snippets. Users would create a group, invite others to that group, then post their code and it could be viewed by all members.

We ended up running out of time when implementing many of our features. Namely the lack of a database means we can’t effectively share code between users, though we can format it correctly. If we had completed this task, most of our website could function effectively.

**4 Project Process Review**

We followed an agile process. Each week we would begin with a scrum meeting where we would all meet in person to go over last week’s assignments and to make sure questions were addressed. We would then hand out our individual assignments. From their each of us would complete on our own our Trello tasks.  
 We believe our process was effective for development, but we overestimated what we could get done on our schedule, and some things didn’t end up getting done by the end.

**5 Incomplete Tasks**

Several tasks were not completed that were planned

* Store groups and posts
* Display groups and posts with stored information
* Allow users to join groups
* Display live updates
* Link remaining pages together
* Log user actions