Time Estimation App

Team Members:
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Faculty Advisor / Project Client:
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Progress of Current Milestone

Task	Completion %	Audrey	Artur	To do
1. Investigate Tools	100%	10%	90%	None
2. Hello World Demos	33%	0%	100%	Demo Firebase and Chart.js
3. Requirement Document	100%	100%	0%	None
4. Design Document	100%	95%	5%	None
5. Test Plan	100%	100%	0%	None
6. Implement, test & demo task input	20%	0%	100%	Complete UI design, complete Firebase integration, add fields, debug, formal testing
7. Implement, test & demo timer	35%	0%	100%	Complete UI design, complete Firebase Integration, fix known bugs, formal testing
8. Implement, test & demo dashboard	10%	0%	100%	Complete UI design, complete Firebase integration, implement task cards, implement task organization options, formal testing

Discussion

1. The team has very little experience with the tools used (React Native, Firebase, Chart.js), so we needed to research these and their capabilities. This included both the implementation and testing aspects of the project. In research, we needed to keep in mind that the app should be compatible with iOS, Android, and Windows.
2. Because of limited experience, the only tool that we have done a full demo for is React Native. It was beyond the scope of this milestone to perform demos of Firebase and Chart.js.
3. The requirement document was difficult to write, as it is very comprehensive. Special care had to be taken to adhere to the industry standards. To accomplish this, guidelines from IEEE were heavily studied.
4. The design document did not present many challenges, as the architecture of the application is relatively simple. Much like the requirements document, special care was taken to adhere to guidance from IEEE.
5. The test plan was challenging to complete, as the team was not experienced in the writing of such documents. It was difficult to choose a testing approach, when very little implementation had been cemented. Furthermore, this document necessitated research into the testing tools associated with React Native and Firebase. Much like the previous 2 tasks, special care was taken to adhere to IEEE standards.
6. The demo of the task input feature was challenging, again, because of the limited experience of the team with regard to app development. This required time and effort to become familiar with the React Native framework. Unfortunately, there was not enough time to integrate elements that would be present in the final product, and there was only time for limited testing.
7. The issues faced with the demo timer were similar to that of the previous task. The implementation of this feature is more complete than others. However, in the work done on this feature, there have already been bugs that needed to be addressed.
8. The dashboard implementation is not complete, as there was not enough time to implement a card view of the tasks, as is the ultimate goal. Furthermore, this demo does not have all of the intended features for the final version. There was only time for limited testing

Discussion (Contributions)

For this milestone, most of the tasks were handled entirely by one member of the team, so the discussion will be limited.

1. This task was completed in its entirety. Team member Artur was responsible for investigating tools for demo purposes, and explored them in a hands-on manner. Audrey was responsible for investigating tools for testing, but only at a high level.

2. One third of this task was completed. Team member Artur performed "hello world" demonstrations for the React Native component of the app. Further components (Firebase, Chart.js) have not been fully demonstrated.
3. This task was completed in its entirety. Team member Audrey was responsible for the completion of this task. She wrote the Software Requirements Specification in accordance with the IEEE 830 template.
4. This task was completed in its entirety. Team member Audrey was responsible for the completion of this task. She wrote the Software Design Document in accordance with the IEEE STD 1016 recommend practices. Team member Artur contributed images from the demo of the React Native user interface.
5. This task was completed in its entirety. Team member Audrey was responsible for the completion of this task. She wrote the Test Plan in accordance with the IEEE 829 template.
6. This task was partially completed. Team member Artur created and demonstrated a preliminary version of this feature. Further integration and testing is necessary.
7. This task was partially completed. Team member Artur created and demonstrated a preliminary version of this feature. Further testing and refinement of this feature is necessary.
8. This task was partially completed. Team member Artur created and demonstrated a preliminary version of this feature. Further integration, implementations, and testing is necessary.

Meetings with Client/Faculty Advisor
- 09/25/2024
- 09/30/2024

Client Feedback on Current Milestone
See faculty advisor feedback below.

Faculty Advisor Feedback on Each Task From Current Milestone
- Task 1: No feedback.
- Task 2: No feedback.
- Task 3: Clarify that the mechanism for timing the duration of tasks will be functionally equivalent to a stopwatch. Add a requirement specifying that the time tracking function will be capable of pausing and resuming. Include that the app may be expanded in the future to accommodate more user types.
- Task 4: Include the functionality that the timing mechanism should be capable of pausing.
- Task 5: No feedback.
- Task 6: No feedback
- Task 7: Modify to support pausing of the timing feature.

- Task 8: No feedback.

Faculty Advisor Signature: _____ Date: _____

Evaluation by Faculty Advisor

Audrey Eley	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Artur Quarra	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10

Faculty Advisor Signature: _____ Date: _____