

# **Mental Health and Wellness Screener**

## **Project Plan**

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2-14-2022 - v0.03

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# 1. Programmer Documentation Revision History

Date	Author	Description
2-08-2022	Amy	Outlined the project plan for the initial proposal.
2-14-2022	Amy	Re-outlined the project plan based on an example on GitHub.
2-15-2022	Amy	Updated the project plan with the group's new plan and ideas.
3-04-2022	Amy	Updated the project plan and included Professor Hornof's feedback.
3-06-2022	Amy	Updated the milestone table and gantt chart.

## 2. Management Plan

Our team has created the project in such a way so that every member has a role and is able to contribute. Team members will primarily work independently and update a milestone spreadsheet as tasks are completed. We meet on a weekly basis to give updates on our work, discuss the progression of the project, and assign new tasks. For ease of sharing and integrating code, we have a shared repository on GitHub so that everyone has an up-to-date version of the project.

## 3. Team Organization: Group Roles

In our first meeting, we discussed our goal for the project, how we want to achieve our goal, and what people are interested and comfortable working on. We were then able to assign roles to each member of the team. Each role could be independent from members but has overlap with other members so that a team member may reach out if they needed help. The group roles are as follows:

- Quinn Fetrow - Project Organizer
- Michael Gao - Software Developer
- Nick Onofrei - Software Developer
- Amy Reichhold - Software Developer
- Luke Vandecasteele - UI Designer

## 4. Meeting Plan

### 4.1. Remote Weekly Meetings Schedule

The team planned to meet once a week to check in with each other and get updates on everyone's progress. The meets were held on Discord on following day and time:

- Thursdays from 6:00 - 7:00 pm

## **4.2. Remote Meetings Format**

The team decided to meet weekly through a Discord call because of the concern with COVID and it was the most convenient way for every member of the team to be present. We primarily communicated over the voice chat on Discord but a member of the team would often share their screen to further explain a point so that everyone could clearly see and understand what the team member was trying to show.

## **4.3. Remote Meeting Agenda**

- A brief informal conversation to check-in and further get to know one another.
- Each member updates the team on their progress.
- Give time for discussion and questions about the progression of the project thus far.
- Discuss how the group wants to proceed and assign tasks if new tasks arise.
- Lastly, the team confirms the next meeting time and says their goodbyes.

## **4.4. Team Decision Making**

Some of our team members had already worked with one or more of the members previously, so our team started as a conducive group. The friendliness and informality of the beginning of our meetings immediately allows the group members to put their guard down and enjoy chatting with their fellow group members. This creates a space late in the meeting for group members to feel comfortable sharing and asking questions. Lastly, the creator of the project and the project organizer are both very open minded and encourage opinions and feedback, which creates a safe place for the team as a whole to contribute and make decisions.

# **5. Work Breakdown Schedule**

We used an excel spreadsheet to keep track of our milestones. This allowed every member of the group to know what their tasks are and when the task is expected to be done. When a task is completed the member will fill in the date the task was completed in the “Date Completed” category and add notes if necessary. Our final version of our milestone table is attached at the bottom of this document.

# **6. Monitoring and Reporting**

Every member of the team has a job but there is overlap between certain tasks, so some members will be able to work together to complete their tasks more easily. Additionally, we will have team meetings every Thursday to update each other on our progress and discuss the project and the next steps for the week. All of the members have access to the up-to-date project on the GitHub repository, so every member can review each module and ensure that the module’s are following the system design.

## 7. Build Plan & Milestones

See Figure 1 below.

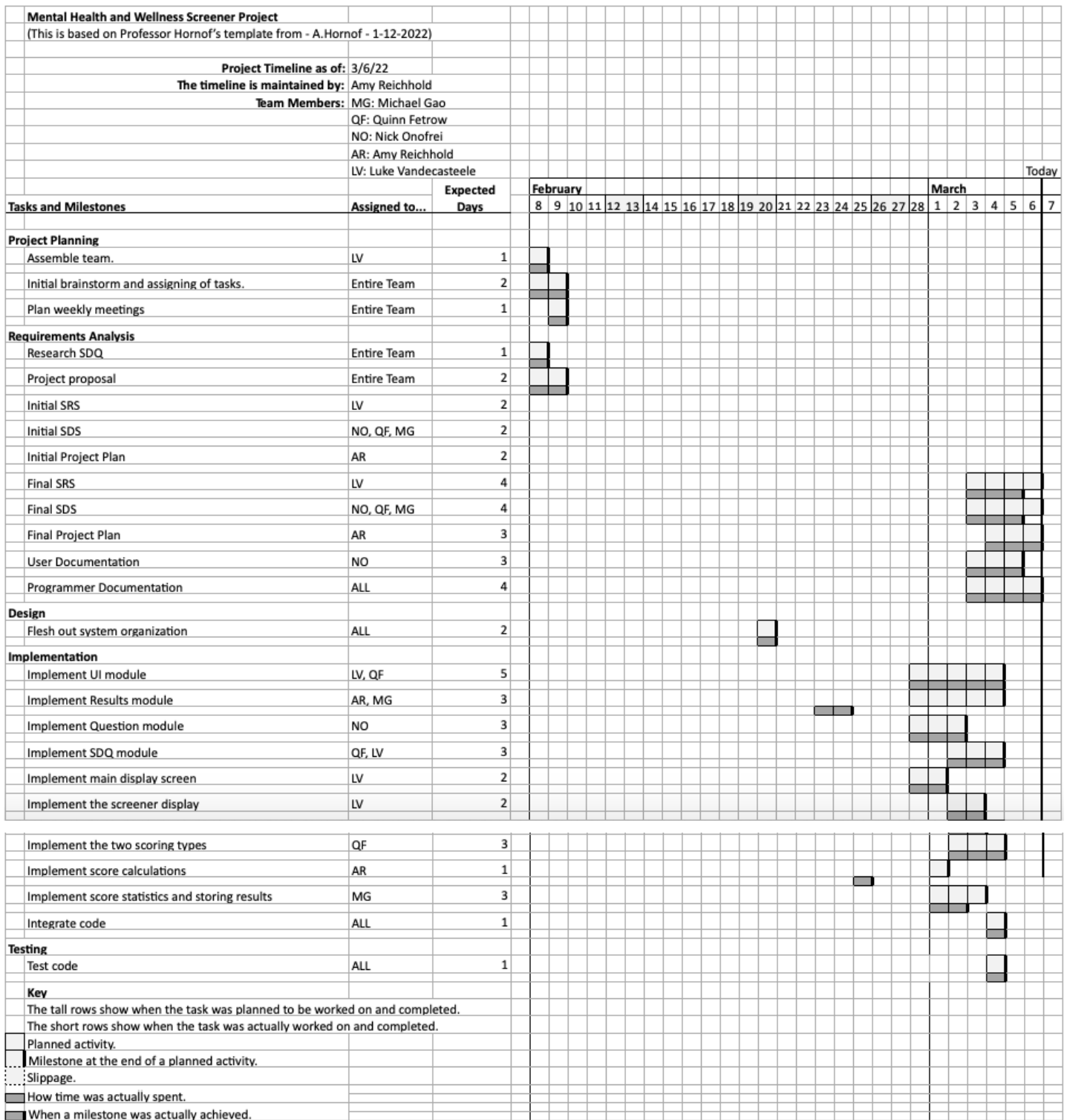


Figure 1. Gantt chart.

## 8. Rationale for the Build Plan

The SDQ module is necessary in order for individuals to take the SDQ (Strength and Difficulties Questionnaire) and receive a score. The Question module is needed for storing question text, answer value, and scoring scheme per question as well as which category the question belongs to. The UI (user interface) module allows an individual to effectively take the screener and receive their scores easily. In order to calculate a score, we must implement the Results module which will sum all of the categories for a final score calculation. The user should not have to tally and calculate their score and results in relation to norms (typical ranges for categories as listed by SDQ website), so we must implement the score statistics calculation. All components should be modular and able to be tested and implemented independently, so that in the end we can integrate them easily.

## 9. Meeting Details:

### 02/08/2022

Start time: 6:00 pm

End time: 6:50 pm

Attendees: Amy and Luke

Discussed: First team meeting on a Discord call to discuss the requirements, the end goal of the project, the language it will be programmed in, the system architecture, and the systems that will be used.

### 02/08/2022

Start time: 7:05 pm

End time: 7:40 pm

Attendees: Luke, Nick, Quinn, and Michael

Discussed: First team meeting on a Discord call to discuss the requirements, the end goal of the project, the language it will be programmed in, the system architecture, and the systems that will be used.

### 02/09/2022

Start time: 11:20 am

End time: 11:30 am

Attendees: All

Discussed: Met in person after class to discuss potential problems with the original idea. Discussed multiple alternatives and made a decision on how we want to proceed.

**02/15/2022**

Start time: 12:00 pm

End time: 12:25 pm

Attendees: All

Discussed: Met on Discord call to discuss the project and the complete SRS/SDS/Project Plan. Members shared their screen to discuss what they were working on. We then worked separately and met again in the evening to finalize the submission.

**02/15/2022**

Start time: 6:05 pm

End time: 6:35 pm

Attendees: All

Discussed: Met on Discord call to finalize the SRS/SDS/Project Plan submission.

**02/18/2022**

Start time: 6:15 pm

End time: 6:45 pm

Attendees: All

Discussed: Met on a Discord call to finalize the system design and project plan.

**02/22/2022**

Start time: 6:20 pm

End time: 6:45 pm

Attendees: All

Discussed: Met on a Discord call to create all of the modules and finalize the programming tasks.

**02/24/2022**

Start time: 6:10 pm

End time: 6:35 pm

Attendees: All

Discussed: Met on a Discord call to update each other on our progress, discuss potential problems, and continue discussing program logic together.

**03/04/2022**

Start time: 6:03 pm

End time: 6:50 pm

Attendees: All

Discussed: Met on a Discord call to update each other and begin integrating our code.

## References

[https://github.com/EdisonMielke/CIS422\\_Proj1/blob/main/Documentation/PP\\_SRS\\_SDS/Project%20Plan.pdf](https://github.com/EdisonMielke/CIS422_Proj1/blob/main/Documentation/PP_SRS_SDS/Project%20Plan.pdf)