

Progress Report

- Increment 2 - Group

#7

1) Team Members

- Alek Coupet | FSU ID: amc21q | GitHub ID: StellarLaw
- Bilal Taleb | FSU ID: bt23i | GitHub ID: BilalMTaleb
- Sayed Haidar Alhussaini | FSU ID: sha23b | Sayed-Haidar

2) Project Title and Description

MERN Task Management Web Application

This project involves developing a web application for task management using the MERN stack (MongoDB, Express, React, and Node.js). The application will allow users to create, edit, and manage tasks and collaborate within organizations. It will also feature calendar integration for task tracking and role-based permissions.

3) Accomplishments and overall project status during this increment

- We created the Task view form where user create the task filling out the required information boxes.
- We adjusted the list of tasks shown on the dashboard to be nicer and more user friendly (added colors to priorities, shows due date ...)
- Added feature: User can sort the list with a button based on priorities or due dates.
- We worked on the profile setting so the user now can change password.
- We worked on the organizations, teams and role-based permissions for users.
- We implemented the invitation feature.
- We implemented the assigning feature.
- We updated the way the database looked and added new data types to it.

- We implemented the calendar showing tasks on their due dates
- We implemented many features related to new functionalities.

The project now is done and ready to be submitted for grading.

4) Challenges, changes in the plan and scope of the project and things that went wrong during this increment

- The learning process of a new language was always a challenge.
- There was a problem in using the free version of cloud based MongoDB, so we had to stick to the local data base version.
- Identifying the new packages to install and use, along with some issues installing them
- It took some time to find a way to reduce the size of the app on github and make it the simplest to run
- The debugging was challenging in some cases because of the new languages interaction

5) Team Member Contribution for this increment

- Alek Coupet: Contributed to the IT (section 1, 2, and 3) and RD document (Overview), and progress report (sections 1, 2, 6, and 7). Source code: All views (frontend), some models, and models controllers
- Bilal Taleb: Contributed to IT document (sections 4 and 5), the RD document (Class diagram, operating environment, assumptions and dependencies) and progress report (sections 4 and 6). Source code: Worked on the back-end, functionalities implementation related to Tasks, some Views
- Sayed Haidar Alhussaini: Contributed to IT document (section 3 and 4), the RD document (Functional requirements, non-functional requirements, use case diagram) and progress report (sections 3 and 6). Source code: Worked on the functionalities implementation related to profile and org along with invitations, and teams. Implemented the whole calendar feature.
- All members worked on this project equally.
- All contributed to creating the video presentation

6) Plans for the next increment

No more increments, the app is ready to use.

7) Stakeholder Communication

Subject: Progress Update on Task Management Web Application

Dear Mr. Mills,

I'm pleased to provide an update on the Task Management Web Application. I'm happy to report that the application is fully developed, with all functionalities implemented and thoroughly tested. The new features meet the required specifications and are functioning as expected.

You will find all the details regarding the app's development and team contributions in the attached progress report file.

The application is now ready for use and can be launched at your convenience.

We appreciate your continued support throughout this process and are confident the application will meet your expectations. Please let us know if there are any further requirements or adjustments needed.

Best regards,

Alek Coupet

Task Management Web Application Team

8) Link to video