

teamSoftwareSiege

201-5

Sandeep Kaushik: SandeepSKaushik

Filip Forejtek : fifo9756

Liam Ryan : liamcub

Evan Clark : evcl8125

Brad Nam : OmNam34

Project Features List

- Task visualizer (personal)
 - The main screen of the application should be a clear to-do list for tasks the user is assigned to work on. It should be clear which things are most important to work on (tasks due soon or behind schedule).
- Task visualizer (project)
 - A secondary mode for the main screen is a view of the entire project team's tasks. The critical path is highlighted and it is clear where each person's role is in those tasks.
- Calendar
 - Instead of the to-do list style of the main screen, there is also an option to view the project over a calendar. This can be exported and synced with a user's calendar app of choice.
- Create tasks/timelines
 - Users can create epics, stories, sprints, etc. and all team members can view and edit. Tasks can be given priorities and prerequisites. The critical path will be automatically created based on those.
- Task discussion
 - Each task will have an associated discussion board for the team to communicate their thoughts and ideas. These sections exist so that a team isn't mixing all of their communication into a single slack channel or disorganized texts.
- Task breakdown
 - Each task can be granulated into smaller sub tasks each with their own assigned members and discussion board.
- Mentions
 - Whenever a user is added to a task, they can be notified with an @ mention, similar to most social media platforms. Mentions can also be used to bring specific team member's attention to various project details. Mention notifications will come from the app and avoid email; this is to prevent emails from being lost in clutter and avoid creating more clutter.

- Project and team creation
 - Users can create projects as well as invite other users to this project with varying levels of permissions.

Requirements

- (non functional) From the perspective of the end user, the application should be subjectively performant and all pages should load quickly so that the app does not get in the way of the user's actual goals and they do not break focus. (unlike JIRA, which takes forever to load)
- (non functional) From the perspective of the end user, the application should be intuitive (all potential actions should be obvious from looking at a particular screen without consulting user manuals or accessing hidden menus) and be efficient to use (most common tasks should have very little overhead) so that the user wastes as little time as possible on tasks unrelated to their own project.
- (functional) As an end user, I want to be able to tag/mention another user in any user-editable text field so that all members of the team can stay up to date and communicate smoothly.
- (functional) As an end user, I want to be able to assign priorities, prerequisites/dependencies, and arbitrary extra metadata to tasks so that the team can keep track of which tasks to complete next and have a mental forecast of what the workload will be.
- (functional) As a user, I want to be able to invite other users to edit the project so that the team can plan collaboratively.
- (functional) As a user, I want to view all tasks that are assigned to me from any project in one central location and sort this list by priority, due date, etc. so that I can go to one location and know what to work on next.

Project Plan

B - Brad

E - Evan

F - Filip

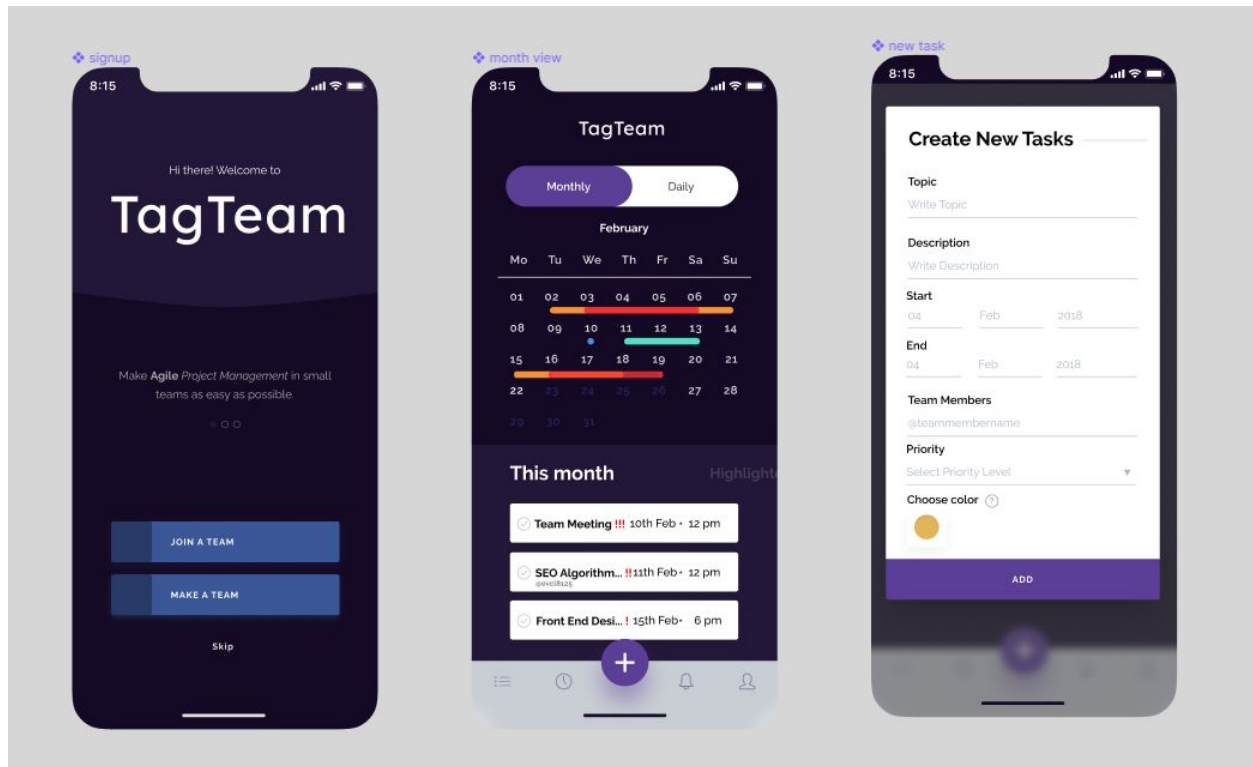
L - Liam

S - Sandeep



1. Assign Roles
2. User Creation
3. Project Creation
4. Team Creation
5. Task Creation
6. Project Task Visualizer
7. Personal Task Visualizer
8. Task Breakdown
9. Calendar
10. Task Discussion
11. Mentions

Wireframes



Individual Contributions

JIRA board: <https://csci-3308-fa20-201-5.atlassian.net/secure/BrowseProjects.jspa>

- Liam: contributed to project planning/design (most recently the list of requirements, technical details/planning, and other user stories on the JIRA). We have not yet started programming work, so the latest commit is N/A. Plan to spend the majority of effort on the backend side of the application.
- Sandeep: Contributed to project planning and design as well, worked on wireframes of a prototype for the application. Planning to spend time on front-end design and database design. No Github Commit.
- Evan: Contributed to planning and design, specifically on feature list and project plan. No GitHub commits because we haven't coded anything yet and our only change was pushing this PDF to the repository.
- Filip: contributed to project planning & features, plan to spend time both on front-end and backend of the application as needed, no commits yet
- Brad: contributed to project interface & UI design, plans to spend time mostly on front-end development, no github commits yet