Task Scheduling and Cost Estimation Software (Dot Manage)

19BCE0406 Soumya Ranjan Tripathy
19BCE0439 Om Mule
19BCE0364 Piyush Waghirkar
18BCE0236 Arjun S

Abstract

Whenever any company or organization wants to work on a project, the most important task is coordination between teammates working on the project. Scheduling software plays an important role in this task. We hereby are developing scheduling and cost estimation software. The software will provide various options for letting the collaborators know about the work completed by other teammates. This will help all the collaborators to view and understand the project progress without having any issues related to coordination. This will help to get a clear picture of the percentage of work completed related to a project simultaneously while being able to make changes to the same.

Abstract

In addition to being able to schedule the project, the tool we are proposing will have options for the cost estimation of software projects. For any new software project, it is necessary to know how much it will cost to develop and how much development time will it take. We intend to implement the cost estimation system based on the COCOMO model. COCOMO (Constructive Cost Model) is a regression model based on LOC, i.e number of Lines of Code. It is a procedural cost estimate model for software projects and is often used as a process of reliably predicting the various parameters associated with making a project such as size, effort, cost, time, and quality.

Scope of the project

MILESTONES:

1. **Product idea generation**
2. **Requirements Gathering**
3. **Planning**
4. **Development of modules (modules for task scheduling and cost estimation)**
5. **Customer Feedback**
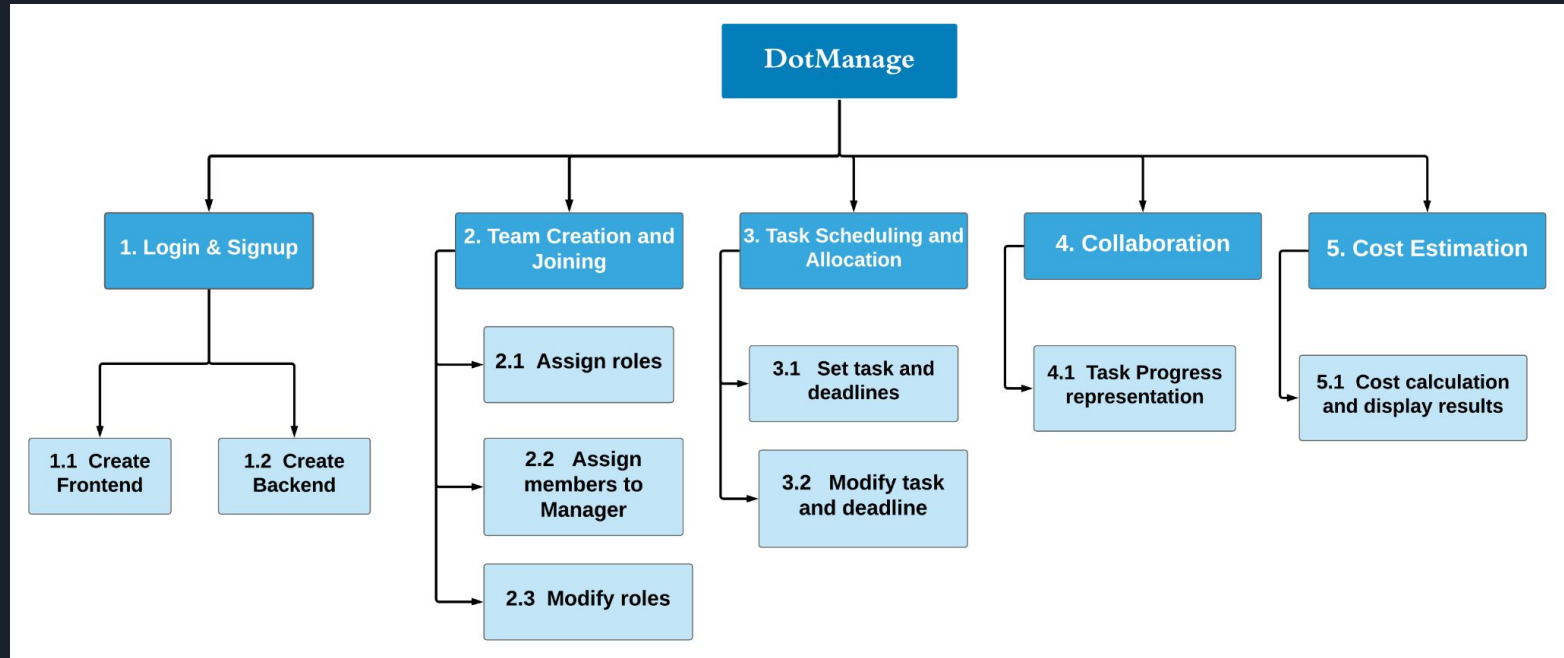6. **Testing**

Scope of the project

DELIVERABLES:

1. **SRS document**
2. **Design prototype**
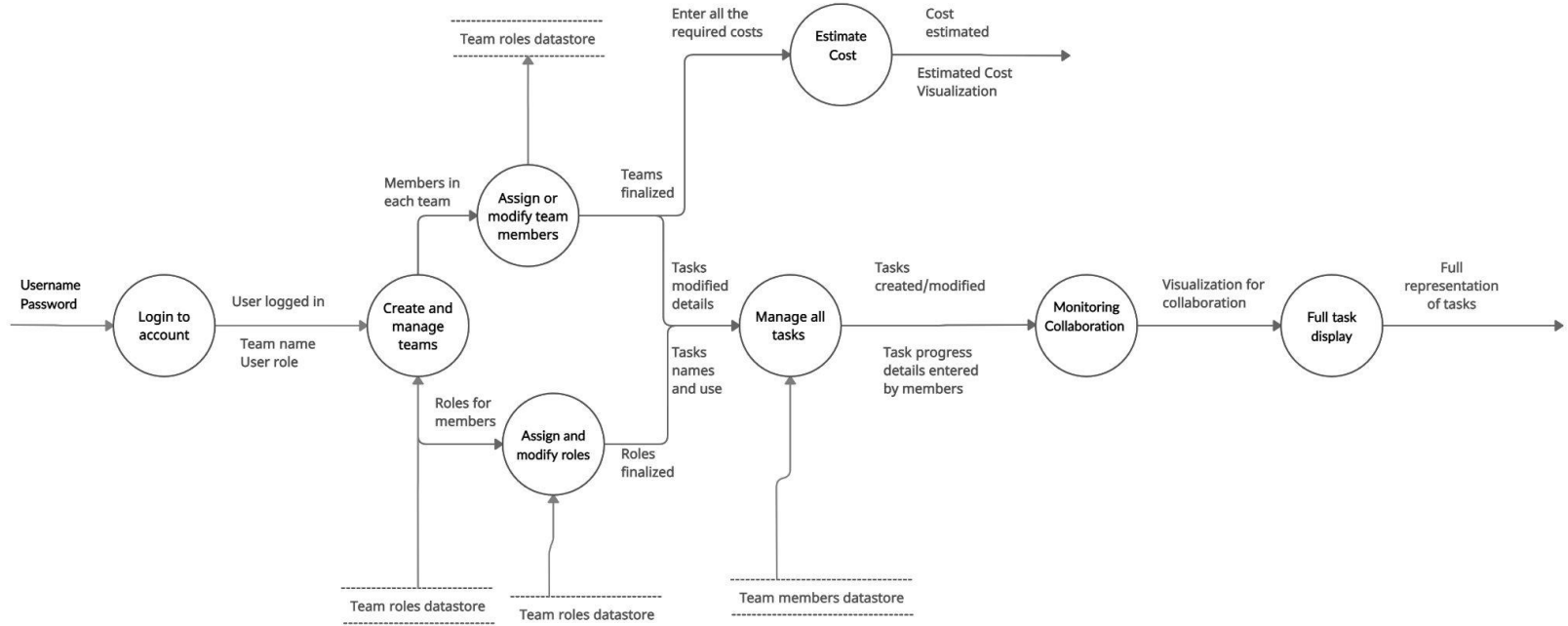3. **First Version**
4. **Test cases**
5. **Tested product**
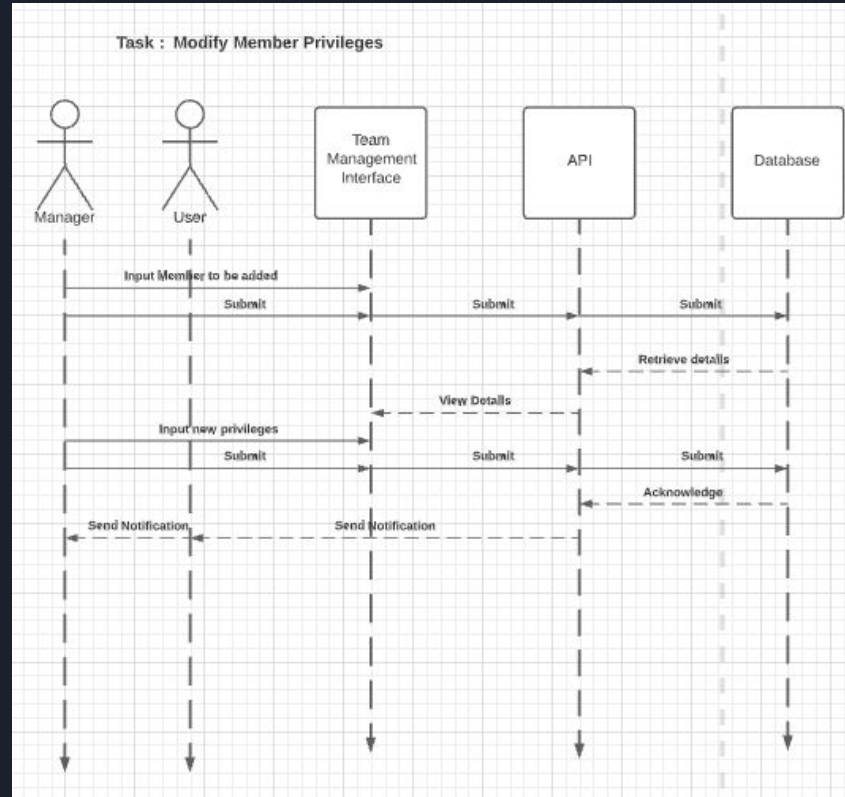
Deadlines:
April 19 2021 : First Prototype

Work BreakDown Structure

Data Flow Diagram:

Sequence Diagram

Tools used:

FrontEnd:

    HTML, CSS, JS

Backend:

    Nodejs,

Diagrams:

    Many open source tools: StarUML,   LucidChart, Yed, Visual Paradigm

Demo Video for full implementation:

https://drive.google.com/file/d/1OBy2d55fhsaxQasq8pC1hr4mBFgZMRXl/view?usp=sharing

Github Repository

For Project Details:

https://github.com/nexus-hash/Software-Engineering-Project-

For Source Code:

https://github.com/nexus-hash/DotManage

THANK YOU