

# York University

## EECS 3311

### Iteration 1

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*First Release:*  
*Project Management Software*

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## *Project Management Software Vision Statement*

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The project management software maintains information about project development processes such as tasks, sub tasks, team members, and their assignments on tasks. Similar to Jira, it allows members to submit tasks for manager's approval and later assignment. Like Github, it will store a number of pre-made and custom tags on each task and which enables them to be sorted.

Our software is primarily designed for use in corporations and offices managing different projects varying in size and complexity. With the help of our software, corporations can manage the different tasks of a large project and track the progress easily and orderly. It will permit the team leaders to effectively plan and divide the tasks, and the team members to follow and report the progress all in one simple and organized software.

The project management software meets the needs of project management leaders through organization and communication features. Our software is designed for both big and small project management, helping users to better communicate the priorities of tasks within a bigger project. It features a hierarchy of roles such as project leader, manager, and employee, which correlates to permissions and visibility of private tasks throughout a project.

Roles within the software divide users into team leaders and team members. It will allow leaders to create projects and teams and assign tasks to members. Everyone involved will be able to see the progression of all tasks and the deadlines. However, the team leader will be able to set up privacy controls in the event they want to limit access. They will also have the ability to export all the information regarding all their projects into a single document that can be used for reporting purposes. Our software will also allow team members to get clarity regarding how they should be working on their tasks. They will be able to see, in one area, all the tasks that are assigned to them over all the projects they are working on. Team members can self report their progress and communicate with each other.

Our product competes with other collaborative tools made by companies such as Atlassian, Monday, and Wrike. Monday and Wrike's tools include project management features, but they're bundled with finance, marketing, design, operations, and sales features. Jira (Atlassian) is geared towards features for software development projects, such as agile boards, sprint planning, and bug tracking, but has a less user-friendly interface than the formerly mentioned tools. Our software removes those excess features to focus solely on the project management features, and provides them in a user-friendly interface that is applicable to all forms of project management, not just software design. This is complimented by integrated communication features within teams, removing the need for additional communication software.

## Big User Stories

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Itr1:

### Create project

As a team leader, I want to be able to create and update a project

Priority: high

Cost: 10 days

### Assign Members

As a team leader, I want to be able to assign team members to projects

Priority: High

Cost : 6 days

### Create tasks

As a team leader, I want to be able to create tasks for a project

Priority: high

Cost: 3 days

### Isolate my tasks

As a team member, I want to be able to isolate my specific tasks

Priority: high

Cost: 3 days

Itr2:

## Propose New Tasks

As a team member, I want to be able to propose new tasks to the team leader

Priority: medium      Cost: 2 days

## Task Status

As a team member, I want to have the status of tasks

Priority: medium      Cost: 5 days

## Sort Tasks by Status

As a team member, I want to be able to sort tasks based on status

Priority: medium      Cost: 4 days

## Update Task Status

As a team member, I want to be able to update the status of my tasks

Priority: high      Cost: 3 days

Itr3:

## Privacy Controls

As a team leader, I want to be able to modify privacy and access controls for projects and tasks

Priority: high

Cost: 8 days

## Communicate

As a team member, I want to be able to communicate with other team members within the system.

Priority: medium

Cost: 9 days

## Create Subprojects

As a team leader, I want to be able to create subprojects and assign team members to lead those projects.

Priority: medium

Cost: 9 days

## Export Status of Tasks

As a team leader, I want to be able to export the status of tasks into a condensed document

Priority: medium

Cost: 12 days

*Detailed User Stories*

## *Add project*

*Create project and add of to other projects*

*Priority: high*

*Cost: 3 days*

## *Remove members*

*I want to be able to remove members from a project*

*Priority: High*

*Cost : 3 days*

*Display project information*

*Display the project the and  
information of project*

*Priority: high*

*Cost: 4 days*

*Add team member*

*I want to be able to add team  
member to a project*

*Priority: High*

*Cost : 3 days*

## Modify project

Change project information based on role

Priority: Medium

Cost: 3 days

## Add Tasks

Add new tasks to a project, including their name and requirements

Priority: high

Cost: 3 days



## Edit/Remove tasks

Edit or remove existing tasks in a project, including their name and requirements

Priority: high

Cost: 3 days

## View All Tasks

View all tasks at the same time that I have access to

Priority: high

Cost: 3 days

## Isolate tasks

Isolate all tasks that are  
only relevant to me

Priority: high

Cost: 3 days

### *Planning for Iteration 1*

Big User Story implemented in GUI: Create a new Project

	<i>Task</i>	<i>Delegate</i>	<i>Est. Time</i>	<i>Actual Time</i>
First Stage:	Person Class	- Preet	3 day	4 day
	Project Class	- Apurva	3 day	4 day
	Task Class	- Mehrsa	3 day	4 day
	Project Board Class	- Georgy	3 day	4 day
	Team Class	- Richard	3 day	4 day
Second Stage: Itr1	Main/ finish up classes	- Preet - Mehrsa - Apurva - Georgy	5 day	5 day
	UI/JavaFX	- Georgy - Richard	2 day	5 day
	Class Diagram (in discord server) - Update with any changes made in classes	- <b>Everyone</b>	7 day	7 day
	Revised Itr0	- Richard	1 day	1 day
	Wiki	- Richard - Mehrsa	1 day	1 day