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# CS307 Team 20 Sprint 1 Planning Document

## TeamUp

## **Sprint Overview**

### **Objectives**

- i. Set up UI
- ii. Implement basic server
- iii. Implement basic client
- iv. Connection between client and server
- v. Connection between server and database
- vi. Project, task, and user management

**SCRUM Master:** Rob Mantzoros

### **Schedule**

Tuesday/Thursday : 1:30 - 2:45

Friday : 12:30

### **Challenges**

1. Getting individual's work to match up
2. Having to allocate time to learn new technologies and skills.
3. Getting the team to coordinate and work together since a majority haven't worked in a group of 6 before.
4. Setting up connections correctly.

## USER STORY 1:

As a user I would like to create an account.

Tasks	Time Required (hours)	Assigned
Server-client protocol	6	Brian
Set up database	5	Brian
Set up server connection to database	4	Brian
Storing User Password combination in database	2	Brian
Set up the client front end	6	Rob
Implement the ability to create an account on the application	6	Shreyaansh
Implement the ability to check the username password combination	1	Edwin

### Acceptance:

- The backend has to be created successfully so that when the user requests to create an account, his details (name, email address, username and password are stored in the database).
- The next time the user opens the application he can select between the options of creating an account and/or logging into it.

## USER STORY 2:

As a user I would like to login.

Tasks	Time Required	Assigned
Implement the ability to login on the application.	4	Shreyaansh
Have client send tokens to server	3	Rob
Have server be able to handle request to login	6	Brian
Have server confirm the given information is correct	5	Rob

### Acceptance:

- Assume that the backend was successfully implemented in the previous user story, as soon as the user enters his username and password/or logs in via Facebook, his information (username password combination) is checked in the database. If the combination matches, the user is logged in, otherwise he stays at the login screen.

## USER STORY 3:

As a user I would like to create a project.

Tasks	Time Required	Assigned
Create main screen for project management	5	Edwin
Add “+” button that will create a new project	3	Edwin
Be able to give a name and description of the project	1	Jaideep
Be able to add users by username to the project	7	Jaideep
Let User creating the project be known as “Team Leader” for the project being created, allowing for special privileges.	5	Jaideep
Add checkbox that decides that Team Leader is the only one that can add tasks and members	1	Jaideep
Have server be able to handle requests to add projects	4	Rob
Project information is added to database	6	Neil

### Acceptance:

- After successfully logging in, the user is redirected to the main screen where he/she is able to use the create project button.

- As soon as create project button is pressed, the user then can put information related to the project (name, description, etc.).
- User has the ability to add Team members, by searching for them using their username or email.
- The creator of the project becomes the default “Team Leader”.
- After the members have been added, the users gets the ability to select the team leader.

## USER STORY 4:

As a team member I would like to create a task.

Tasks	Time Required	Assigned
Create a task page	2	Shreyaansh
Add task button	1	Edwin
Delete/edit popup	2	Edwin
Send task details to server	3	Edwin
Send confirmation request to the "Team Leader" for approval of the task.	3	Edwin

### Acceptance:

- Any team member can add a task to the project he is working on.
- The task goes on pending approval of the team leader (so as to avoid spamming of tasks, repetition).
- As soon as the team leader approves the task, a notification is sent to every team member that the task has been added to the project.
- This change is reflected in the server and updated in the mobiles of the members

## USER STORY 5:

As a user I would like to edit members in a project.

Tasks	Time Required	Assigned
Clicking on the '+' button overlay allows you to add members who are then accepted/declined by team leader	6	Shreyaansh
Long click on project brings up delete members option	4	Neil
Send member details to server	3	Rob

### Acceptance:

- A team member is allowed to add members to the group.
- The member should be accepted by the team leader before showing up in the members group



## USER STORY 6:

As a team leader I would like to approve the tasks added by the team members and have more privileges to edit the team.

Tasks	Time Required	Assigned
Have the ability to appoint another member to become a leader.	3	Edwin
Give the team leader special privileges so that he can approve tasks.	5	Neil
Give the team leader the ability to set deadlines and update the task	5	Neil
Team leader have the ability to kick member	3	Shreyaansh

### Acceptance:

- Only Team Leader can approve the tasks before showing on the list
- Only Team Leader who has the ability to kick members and also team leader has the ability to appoint another member to become team leader and once the member appointed, the team leader will become a member.
- Team Leader has the ability to update, modify and set deadlines on the task

### 3. Product Backlog

#### ● *Functional*

- I. As a team member, I would like to send instant messages to other team members.
- II. As a team member, I would like to create, edit, delete and accept task and projects
- III. As a team member, I would like to see the status of all ongoing tasks.
- IV. As a team member, I would like to see a history of previous completed tasks
- V. As a team member, I would like to be notified immediately of new messages or task changes.
- VI. As a team member, I would like to have deadline notifications
- VII. As a user, I would like to be able to create an account and log in.
- VIII. As a team leader I would like to set deadlines on the tasks and update the list of tasks as required.
- IX. As a team leader, I would like to be able to kick someone from the group
- X. As a team leader, I would like to be able to assign someone else to be a leader.
- XI. As a team member, I would like to request tasks to be added to the list of tasks
- XII. As a team member I would like to be able to ask for help on my task if and when need be.
- XIII. As a team member, I would like to see a progress report of individual projects.
- XIV. As a team member, I would like to see who completed certain tasks
- XV. As a team member, I would like to track the number of tasks each member has completed
- XVI. As a user, I would like to be able to upload picture and documents such as microsoft word, and pdfs.
- XVII. As a user, I would like to see who is online at the moment and who is currently typing
- XVIII. As a user, I would like to be able to login every time I try to access it.
- XIX. As a user, I would like to have a countdown before deadline
- XX. As a user, I would like to stay login until I change my password

- XXI. As a user, I would like to have an option to choose whether to stay login or logout every time I close the apps.
- XXII. As a user, I would like to be notified if my account is sign in in another device
- XXIII. As a user, I would like to change the group name.
- XXIV. As a user, I would like to be able to search for the group by name.
- XXV. As a user, I would like to be able to mute notification from a group.
- XXVI. As a user, I would like to be able to invite another person into the group.
- XXVII. As a user, I would like to be a part of multiple teams
- XXVIII. As a user, I would like to be able to see a list of teams I am a part of.

● ***NonFunctional***

- I. Use this app on an Android device.
- II. The information in the app will be updated in real time and concurrency will be maintained across all members in the group.
- III. This app will support at least 200 users
- IV. This app will make you sign in after two weeks of inactivity
- V. Will have a user friendly interface.
- VI. Have the ability to synchronize the groups and messages between devices
- VII. The application will not use a lot of local data.
- VIII. Able to support the newest android OS
- IX. Able to ensure the data is protected from unauthorized access.
- X. Personal information will be protected
- XI. Attractive looks that promote confidence in its use