1. UI design :

As we have mentioned, we will have 8 types of web pages, which is login module, home module, dashboard module, group module, calendar module, profile module, notes module and friend module. To ensure the consistency of our design, we want to build a template for our web and extend another module for it.

In the next time, we should finish the design of all the modules. Considering we want to introduce other APIs, like google calendars, we might encounter some adjustment during the following process. So generally speaking, we might make some subset changes during the process, but the majority of our UI design should be finished this time.

2. Function

(1) Login/Signup Module:

This looks like the function in our previous homework. But we need send real emails this time. To ensure the reliability of our accounts, we will register a gmail and use it to send our registration emails. And we should build our user model during this value. The emails is the value and the user is the key.

So next time, our login and register function should work.   There are some tasks.

0. design the User model (Approximate time: 1 hours)

1. build the UI framework (Approximate time: 1 hours)

2. Set up emails configuration (Approximate time: 1 hours)

-- Xinyi Li

(2) Home module:

As you could see in our design, our home module includes of a lot of things. For example, it will show the groups the users has attended, the projects he or she is doing and the deadline and progress of his projects. Therefore, to finish the requirements, we should build our user models. The user will be the key, and it has groups and projects value. The group will also be a key and the user and individual projects should be included as the key value. So generally speaking, to meet up this requirement, we have to build the main model, which is the user model and group model in our databases.

There are some tasks.

0. design the User model and group model(Approximate time: 3 hours)

1. build the UI framework (Approximate time: 2 hours)

2. design interface from front-end to back-end (Approximate time: 2 hours)

3. debug this module and test this module (Approximate time: 1 hours)

-- Xinyi Li

(3) Dashboard module:

Users can see the reports for themselves in this module. Reports will include charts and graphs. We will provide information like the effectiveness, the tasks finished, the tasks unfinished, etc. There are some tasks.

0. design the User model, Report model (Approximate time: 1 hours)

1. build the UI framework (Approximate time: 2 hours)

2. retrieve the data from database (Approximate time: 1 hours)

3. use the Chart.js to draw the graphs and charts   (Approximate time: 3 hours)

-- Juntao Li

(4) Groups module:

A user can see the group information in this module. Which groups have the user joined, the members of this group will all be included in this module. For this module, there are 3 tasks.

0. design the group model (Approximate time: 1 hours)

1. build the UI framework (Approximate time: 2 hours)

2. retrieve the data from database   (Approximate time: 1 hours)

3. list the groups and the users in that group   (Approximate time: 2 hours)

-- Juntao Li

(5) Profile module:

User can modify password, user name, notification on/off, etc. A user can also see other users' profile. For others profile, we can see others effectiveness curve.+1

We can separate this task into several sub-tasks:

0、Build UI framework for this page. (Approximate time: 1.5 hours)

1、Design and implement data model for User. (Approximate time: 1 hours)

2、Design interface from front-end to back-end (Approximate time: 2 hours)

3、Debug this module and test this module (Approximate time: 1 hours)

-- Yaxi Li

(6).Navigation module:

This module will help the user navigate through our pages. There will be 2 navigation bars. One is on the left of this page, one is on the top of this page. For the navigation bar on the left, a user could navigate through Home module, Dashboard module, Projects module, Notes module, Groups module and Calendar module. For the navigation bar on the top, user can click the notifications available and go to the Profile module.+1

0、Build UI framework for this page. (Approximate time: 1.0 hours)

1、Design logic for page redirection using front-end technique. (Approximate time: 2 hours)

2、Design interface from front-end to back-end during page redirection(Approximate time: 2 hours)

3、Debug this module and test this module (Approximate time: 1 hours)

-- Yaxi Li