



Sprint 1 Planning Document

Team 25: Shantanu Jha, Arka Acharya, Anqi Yu, Kevin Jiang, Minyi Lu, Richard Jung

Sprint Overview

For our first sprint, we will spend most of our time learning the Django and implement the basic prototype for our back-end server. By the end of our sprint, users can login with their Facebook or Google account, update their profile, choose to set their account either public or private, follow and unfollow other user. For our android application, it will be able to navigate around different pages.

Scrum Master: Richard Jung

Meeting Plan: Thursdays at 6:00 P.M, Saturdays at 1:00 P.M.

Risks/Challenges:

Most of our team members are not yet familiar with the Django, Python or technologies we are using such as mySQL and XML. For the first sprint, a lot of learning will have to be done to get team members coding effectively. This is the first time that all our members have worked together in SCRUM methodology, most of our members don't have previous experience in professional software development process.

Current Sprint Detail

User Story #4

4. As a developer, I would like to develop a server-client application which facilitates communication between app and server.

| # | Task Description | Time | Owner |
|---|---|-------|----------|
| 1 | Set up Android client and web routes | 3 hrs | Kevin |
| 2 | Implement socket communication from back-end server | 6 hrs | Shantanu |

Acceptable Criteria

- Given all web routes are set up correctly, all client pages should have distinct route name
- Given socket programming are implemented correctly, Android client is capable of receiving information from server, and send request to server.

User Story #8

8. As a developer, I would like users to customize their profile to their liking

| # | Task Description | Time | Owner |
|---|-------------------------------------|-------|----------------|
| 1 | Setting up user access restrictions | 4 hrs | Arka, Shantanu |
| 2 | Setting up user bio or mood message | 5 hrs | Minyi |

Acceptable Criteria

- A user should be able to set their profile as private or public.
- When public, everyone will be able to find the account through search and view the wardrobe.
- Given user setting is private, people will be able to find their profile through search, but not be able to view the wardrobe. To view the wardrobe, they'll have to request to follow the user.
- The user will be able to have an intro message or bio which will be visible to all users.

User Story #11 & #12

11. As a user, I would like to create an account.

12. As a user, I would like to login into my account.

The users will login through their Facebook/Google+ account using OAuth 2.0. After this an account will be created that will be saved in our database.

| # | Task Description | Time | Owner |
|---|---|-------|----------------|
| 1 | Learn and create a database (MySQL) | 7 hrs | Shantanu, Anqi |
| 2 | Create login page for the application | 2 hrs | Richard, Minyi |
| 3 | Implement getting user tokens from Facebook and Google+ | 5 hrs | Arka, Anqi |
| 4 | Create user account based on information received from Facebook/Google+ | 3 hrs | Arka, Kevin |
| 5 | Implement function that will Insert the information into MySQL database | 4hrs | Arka, Kevin |
| 6 | Usability testing and evaluation | 2 hrs | Arka |

Acceptable Criteria

- Successfully get user tokens from Facebook/Google+ and get access to the API to get public information.
- Store token in local storage.
- Have user select a username. Make sure that it is unique.
- Enter the information into the database.
- Given that the user logs in successfully, the user will be able to access his/her home page

User Story #2

1. As a developer, I would like users to have the option of changing their public username.

| # | Task Description | Time | Owner |
|---|--|-------|----------------|
| 1 | Implement functionality to update username in user profile from back-end | 4hrs | Anqi |
| 2 | Implement functionality to update username in front-end UI | 5 hrs | Richard, Minyi |

Acceptance Criteria:

- Given the username editing functionality has been correctly implemented, a user can edit their username in user's profile page without directing to another page.
- When user input and submit a username that has been used by existing user, we will decline his or her request and ask user to re-enter their username.
- Given user has filled and submit their request to change their username, our database should immediately update and reflect their change.

User Story #14

2. As a user, I would like the application to "remember me".

| # | Task Description | Time | Owner |
|---|--|--------|----------------|
| 1 | Implement user interface component that allows user to check "Remember Me" | 5.5hrs | Minyi, Richard |
| 2 | Implement functionality that issues and stores a login cookie containing a token and identifier after a user successfully logs in | 3.5hrs | Richard, Kevin |
| 3 | Implement functionality that iterates through the database and authenticates a user when a token matches the hash for the identifier | 3 hrs | Kevin |

Acceptance Criteria:

- Once the user logs in using his/her Facebook/Google+ account, the user won't have to login again whenever he/she opens the app. The user will not be remembered if he/she logouts or changes his/her Facebook/Google+ password.

- Given that a user has successfully logged in to his/her account previously, the user will see his/her homepage in the application.

User Story #15

15. As a user, I would like to be able to upload a profile picture.

| # | Task Description | Time | Owner |
|---|--|---------|----------------|
| 1 | Implement html form with browse button that allows user to choose what photo to upload | 6.5 hrs | Richard, Minyi |
| 2 | Implement user functionality of uploading, validating, and naming the photo | 5 hrs | Arka, Anqi |
| 3 | Implement confirmation that photo was successfully uploaded | 2 hrs | Shantanu |

Acceptance Criteria:

- Given that the browse button is implemented correctly, the user will be able to look through their existing photos and be able to select the photo that the user wishes to be his/her profile picture
- Given that the user has selected a photo, the user will be able to upload, confirm upload, and provide a title or name to his/her profile picture
- Given that the user has successfully customized and uploaded his/her photo, the user will receive a confirmation that lets the user know that everything was done successfully.

User Story #17

17. As a user, I would like to "like" or "dislike" clothing items.

| # | Task Description | Time | Owner |
|---|--|--------|-----------------|
| 1 | Have a "like" and "dislike" button. Once a button is clicked it will be bolded and the other one will be grayed out. | 1.5hrs | Richard, Minyi |
| 2 | Create new command to help understand the server what to do when "like" and "dislike button is pressed. | 3 hrs | Arka, Anqi |
| 3 | Make server generate response after interaction with database. Parse the response as appropriate. | 2.5hrs | Kevin, Shantanu |

Acceptance Criteria

- When one button is clicked it will be bolded and the other will be grayed out. Clicking the other button will flip the buttons looks and the database values. Re-clicking the button will nullify the "like" or "dislike"
- Values added to the database will clear reflect the number of likes and dislikes. It will accurately reflect the public opinion.

User Story #18

18. As a user, I would like to add clothes to my wardrobe.

| # | Task Description | Time | Owner |
|---|---|--------|--------------|
| 1 | Have a "Add" button on the bottom right corner for every POST. | 3.5hrs | Minyi, Kevin |
| 2 | Implement functionality that will call SQL command to add a clothes item to user's wardrobe data | 2.5hrs | Shantanu |
| 3 | A notification box "Successfully add to wardrobe" will appear if this clothes item is add into database successfully. | 3 hrs | Anqi |

Acceptance Criteria:

- Given the "add" button is correctly implemented, once the "add" button is clicked, a drop-down list of two option "add to my wardrobe", "add to my wishlist" will appear.
- Given the functionality of "add" button is correctly implemented, database will update user's wardrobe information and immediately reflect the change in User's My wardrobe or my wishlist page.
- Given "add" functionality is implemented correctly, a notification box will only appear once all the action is successfully done in the backend and database.

User Story #20

20. As a user, I would like to follow other users.

| # | Task Description | Time | Owner |
|---|--|---------|-----------------|
| 1 | Have a "Follow" button on the user profile page and change it to "Unfollow" button immediately when pressed | 1.5hrs | Richard, Minyi |
| 2 | Create new command to help understand the server what to do when "Follow" button is pressed. | 3 hrs | Arka, Anqi |
| 3 | Make server generate response after interaction with database. Parse the response as appropriate. | 3.5 hrs | Kevin, Shantanu |
| 4 | Push notification to the user that a user wishes to follow them (if account is private) | 2 hr | Kevin |
| 5 | If accepted, add the user to the table that stores the users each user is following. If account is public, do it straight away | 2.5hr | Richard |

Acceptance Criteria:

- Once the user presses the "Follow" button, the button must change to "Unfollow" immediately.
- The user that was to be followed would be sent a request if it's a private account, which he/she can accept or decline. If he/she accepts the request, that user will be added to the following list of the user.
- If the account is not private, pressing the "Follow" button, immediately adds that user to the following list.

User Story #21

21. As a user, I would like to unfollow other users.

| # | Task Description | Time | Owner |
|---|---|------|-----------------|
| 2 | Create new command to help understand the server what to do when "Unfollow" button is pressed. | 2hrs | Kevin, Arka |
| 3 | Make server generate response after interaction with database. Parse the response as appropriate. | 4hrs | Kevin, Shantanu |

| | | | |
|---|--|-----|-------|
| 5 | Remove the user from the table that stores the users each user is following. | 1hr | Kevin |
|---|--|-----|-------|

Acceptance Criteria:

- Once the user presses the "Unfollow" button, the button must change to "Follow" immediately.
- Pressing the "Follow" button, immediately removes that user to the following list.

Remaining Requirements

Functional:

1. As a developer, I would like user feedbacks.
2. ~~As a developer, I would like users to have the option of changing their public username.~~
3. ~~As a developer, I would like users to have a secure way of storing usernames and passwords.~~
4. ~~As a developer, I would like to develop a server-client application which facilitates communication between app and server.~~
5. As a developer, I would like my server to respond quickly to the requests of the user
6. As a developer, I would like fast and secure connection between database and server
7. As a developer, I would like to push notifications to users when necessary.
8. ~~As a developer, I would like users to customize their profile to their liking.~~
9. As a developer, I would like users to be able to open the browser version directly from the application.
10. As a developer, I would like to suggest followers to users.
11. ~~As a user, I would like to create an account.~~
12. ~~As a user, I would like to login to my account.~~
13. As a user, I would like to sync my account to other devices(if time allows).
14. ~~As a user, I would like the application to "remember me".~~
15. ~~As a user, I would like to be able to upload a profile picture.~~
16. As a user, I would like to be able to direct message another user (if time allows).
17. ~~As a user, I would like to "like" or "dislike" clothing items.~~
18. ~~As a user, I would like to add clothes to my wardrobe.~~
19. As a user, I would like add clothes on my wish list.
20. ~~As a user, I would like to follow other users.~~
21. ~~As a user, I would like to be able to unfollow other users~~
22. As a user, I would like to see how many followers I have.
23. As a user, I would like to see how many people I am following.
24. As a user, I would like to see who is following me.
25. As a user, I would like to see the people I am following.
26. As a user, I would like to see what clothes are recently trending upward or downward.
27. As a user, I would like to see a notification when someone follows me.
28. As a user, I would like to have an option to make my account public or private.
29. As a user, I would like to see public user's (think celebrities) wardrobe without following them.
30. As a user, I would like to see notification when new items are added.
31. As a user, I would like to see a notification when an item on my wish list goes on sale.
32. As a user, I would like a brief description of the item and a link to the store where I could buy it.

Non-Functional:

- 33. ~~We must be able to run this app on an android device.~~
- 34. ~~The interface should be simple so that the user doesn't have to go through a complicated process to do something.~~
- 35. The system must be able to handle multiple users at a time (at least 100 users).
- 36. Negligible lag time in communication between app and server and server and database.
- 37. The application must store some local data (cache) in the device which helps the application remember the user.
- 38. ~~Allowing users to login via Facebook or Google using OAuth.~~
- 39. We will use role-based access control (RBAC) so that users can only access the material they should.
- 40. Make sure that the data stored in the device is not easily accessible and unreadable if found.
- 41. Our backend web server will be integrated with Amazon Elastic Compute Cloud.