



Team 4 Sprint1 Planning Document

Designed by meetzam-Dev Team:

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1. OVERVIEW

During Sprint 1, our team will be focusing on setting up several basic functions of our app. When Sprint 1 concludes, users should at least be able to log in successfully into the app through Facebook portals and be able to use some basic functions of the app. For this Sprint, we will be focusing on five user stories: login through Facebook, see the overall layout and control the flow of the app, access the movie homepage, access the profile page and update the profile page.

Scrum Master:

Junpu Fan

Meeting Schedule:

Monday / Wednesday / Friday during CS 307 block (11:30am - 12:30pm)

Monday / Wednesday Evening (6:00pm - 9:00pm)

Risks / Challenges:

For many team members, this is the first time they will be dealing with iOS development, Swift, frameworks and AWS services, therefore it would take a lot of time for our members to learn these things from scratch. Additionally, some of the tasks require other tasks to be successfully completed first, an example could be the implementation of the Facebook login function. It requires both back-end server and front-end UI to be set up first. Thus, our members have to schedule intelligently so that all team members have enough time to finish their work. What's more, working in a group requires our members to communicate efficiently and wisely.

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2. CURRENT SPRINT DETAIL

❁ USER STORY 1

- ▶ *As a user, I want to log in with Facebook*

#	Task Discription	Estimated Time	Owner
1	Set up an AWS group account and configure an admin group and environment for the team	5 hr	Junpu Fan
2	Set up the server side resources including database tables, file storage, app content storage, sign-in system.	5 hr	Junpu Fan
3	Gather permissions for external APIs, facebook app ID, Apple app ID, app Certifications, and Apple provisioning profile.	5 hr	Junpu Fan
4	Configure Xcode project to connect with the backend resources.	5 hr	Junpu Fan
5	Configure custom RESTful API	5 hr	Junpu Fan
6	Configure and Provision in-app push notification service	5 hr	Junpu Fan
7	Implement and test Facebook Login	8 hr	Zuyuan Fan
8	Design and implement basic login view in the storyboard	3 hr	Zuyuan Fan
9	Implement handler to store Facebook user information into the database tables	6 hr	Zuyuan Fan

◆ *Acceptance Criteria*

- Given that the AWS group account and admin group has configured, when implementing new lambda functions, then we will be able to configure and provision required AWS resources by using admin group credential.
- Given that the client and backend handlers properly implemented, when a user first time open our app, then he/she will be able to sign-up via Facebook account.

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- Given that the user already signed up with Facebook account, when this user open our app, then he/she will be able to login via Facebook account.
- Given that the user logged in to our app, he/she will be able to receive in-app push notifications.

❖ USER STORY 2

- ▶ *As a user, I want to see the overall layout and control flow of the app*

#	Task Discription	Estimated Time	Owner
1	Create and connect views in the storyboard	6 hr	Zuyuan Fan
2	Design and implement basic UI template for the app	8 hr	Zuyuan Fan

◆ *Acceptance Criteria*

- Given that the user has signed up with Facebook account, when this user successfully logged in to our app, user will be able to navigate through different views in the app through basic user interface.

❁ USER STORY 3

► *As a user, I want to access the movie homepage*

#	Task Discription	Estimated Time	Owner
1	Improve Home page UI in storyboard	4 hr	Yuting Guo
2	Implement movie layout template in the home page	6 hr	Yuting Guo
3	Implement handler to fetch movie data from external API twice a day	6 hr	Yuting Guo
4	Implement parser to process incoming movie data and store into database	6 hr	Yuting Guo
5	Implement client side functions that retrive movie data from database	6 hr	Yuting Guo
6	Display one movie in homepage	6 hr	Yuting Guo

◆ *Acceptance Criteria*

- Given the external API access token and secret are available, when we trigger the movie data fetch handler, then we will be able to get detailed raw data of current in theater movie information in Lafayette/West Lafayette area.
- Given the raw data of in theater movie is available, when we trigger the movie data processing handler, then, informations of our need will be parsed.
- Given the raw movie data has been processed, when we trigger the store movie data handler, then the newly processed data will be stored in DynamoDB table.
- Given the user has logged in to our app, when the user at the home page, then he/she will see basic current in theater movie information.

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❖ USER STORY 4

- ▶ *As a user, I want to know what movies are out this week*

#	Task Discription	Estimated Time	Owner
1	Further implement movie homepage UI to support movie list	3 hr	Ling Zhang
2	Implement functions to fetch current in theater movies around Lafayette area from database and display in the UI	6 hr	Ling Zhang

◆ *Acceptance Criteria*

- Given the movie homepage view, and login page have implemented, when user logged in via Facebook, he/she will be able to see the movie homepage which display a list of movies which currently playing in theater around Lafayette area.

❖ USER STORY 5

- ▶ *As a user, I want to know the popularity of the movies*

#	Task Discription	Estimated Time	Owner
1	Further implement movie homepage UI to support movie rating/popularity	3 hr	Ling Zhang
2	Implement functions to fetch movie rating/popularity information from database and display in the UI	6 hr	Ling Zhang

◆ *Acceptance Criteria*

- Given the list of current in theater movies are properly shown in the movie homepage, when user logged in to the app, he/she will be able to see the movie homepage which display a list of movies which currently playing in theater around Lafayette area, and each movie in the list will contain field or fields that shows the public popularity/vote/rating about this movie.

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❁ USER STORY 6

- *As a user, I want to check posters and introductions of a movie*

#	Task Discription	Estimated Time	Owner
1	Further implement movie homepage UI to support in app image display	3 hr	Ling Zhang
2	Implement server side functions to gather movie images from external movie database and store in the app content storage.	6 hr	Ling Zhang
3	Modify movie table in the database to include movie poster references to each movie poster stored in the app content storage.	4 hr	Ling Zhang
4	Implement client side function to fetch movie posters and display them in the movie homepage UI.	4 hr	Ling Zhang

◆ *Acceptance Criteria*

- Given the list of current in theater movies are properly shown in the movie homepage, with support of public movie popularity/vote/rating, when user logged in to the app, he/she will be able to see the movie homepage which display a list of movies which currently playing in theater around Lafayette area, and each movie in the list will display its poster and description about the movie.

❁ USER STORY 7

▶ *As a user, I want to access profile page*

#	Task Discription	Estimated Time	Owner
1	Design and implement UI for the Profile page	6 hr	Qi Meng
2	Implement handler respond to client request to retrieve user profile information from database	6 hr	Qi Meng
3	Display user profile information in the Profile page	6 hr	Qi Meng

◆ *Acceptance Criteria*

- Given the user has already logged into our app, when he/she press the Profile button on the navigation panel, then he/she will be able to see their current profile, including profile pictures, displayed name, and other basic personal information.

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❁ USER STORY 8

- ▶ *As a user, I want to update my profile*

#	Task Discription	Estimated Time	Owner
1	Create "Edit Profile" button and connect to the "Edit Profile" view	3 hr	Sean Chew
2	Create serveral views used to update each individule user profile field	6 hr	Sean Chew
3	For each views, implement handler function that communicate with the database to handle the profile updating process.	8 hr	Sean Chew
4	For each updating handler, implement functions to refresh the user profile after it has been updated	8 hr	Sean Chew
5	Create functions that allow user to upload public and private profile pictures onto database.	6 hr	Sean Chew
6	Create functions that allow user to delete public and private profile pictures from database.	6 hr	Qi Meng
7	Create functions that allow user to download public and private profile pictures from database.	6 hr	Qi Meng

◆ *Acceptance Criteria*

- Given the user has already logged into our app and navigated to the profile view, when the user press the edit profile button, then he/she will be able to modify profile in a separate view.
- Given the user has navigated to the profile editor view, the user will see a series of options to update different part of the user profile, such as, displayed name, profile pictures, and other personal information.
- Given the user has selected one of the function to update profile, the user will see a view where they can edit corresponding profile information.
- Given the user has filled new profile information, when the user press submit button, user's current profile will refresh and display the modified profile.

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3. BACKLOG

1. As a user, I want to log in by Facebook
2. As a user, I want to log in by Google
3. As a user, I want to see the basic layout and control flow of the app
4. As a user, I want to access and see my personal information in my profile page
5. As a user, I want to update my profile
6. As a user, I want to know what movies are out this week
7. As a user, I want to know the popularity of the movies
8. As a user, I want to filter movies according to category
9. As a user, I want to check posters and introductions of a movie
10. As a user, I want to have a friend list
11. As a user, I want to invite my friends to watch movies
12. As a user, I want to receive notification when my friends send me movie invitations
13. As a user, I want to search and add friends by their usernames
14. As a user, I want to have the option of adding my friends on social media to my friend list on meetzam
15. As a user, I want to see who (friends/strangers) are still finding a movie buddy for the movie I want to watch
16. As a user, I want to know what movies my friends want to watch
17. As a developer, I would like to add users who agree to watch movies together to a group chat with 3-10 people
18. As a user, I want to mark the movies I want to watch and wait for others to join me
19. As a user, I want to receive notification when I am matched and added to a group chat.
20. As a user, after being added to a stranger group chat, I may want to quit the group chat if I changed my mind

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- 21. As a user, I want to chat with friends or strangers about specific plans of how we are going to watch the movie
- 22. As a user, I may want to choose to watch movies with strangers rather than alone when my friends are not available
- 23. As a user, I would like to comment on the movies I have watched
- 24. As a user, I would like to see other public comments on the movies
- 25. As a user, I want to rate the movies I have watched
- 26. As a user, I want to know what movies my friends have watched
- 27. As a user, I want to filter movies comments to show only my friends' comments
- 28. As a user, I want to see short reviews of the movies that I want to watch
- 29. As a user, I want to create a personal movie list that saves the movies I liked, which can be shared to the public or my friends
- 30. As a user, I want to know what movies will be out in the next few weeks
- 31. As a user, I want to rate the strangers that I went to the movie with
- 32. As a user, I want to check another user's meetzam credit score, which indicates a user's manner on meetzam application and post-matching behaviors
- 33. As a user, I want to report another user if he or she demonstrated inappropriate behaviors, and their meetzam credit score will be deducted