

Team 6 Sprint 1

SuLife

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Sprint Overview

Overview:

In sprint 1, our team is going to learn swift and Objective-C for frontend implementation, node.js for server and MongoDB API for database. We will accomplish the main view of SuLife (Calendar View). The main goals of this sprint are:

1. implement functions for UI like login and register.
2. access MongoDB as database successfully.
3. construct Calendar View and implement functions for calendars(add, delete, edit, etc.).
4. create the contacts view and implement functions of adding contacts. Add store the list to the database.

Scrum Master: Shayin Feng

Scrum Meeting Time: 6pm M and 1:30pm MWF

Risks/Challenges: Learning new programming languages like Swift and Objective-C. Connecting frontend, server and MongoDB successfully. Making sure UI is displayed successfully.

Current Sprint Detail

User Story: As a user, I want to be able to create an **account** and **login** successfully after registered. And I would like to view my profile and modify my personal profile (change password, add contact information, etc.).

Task Description	Estimated Time(h)	Owner
Design register UI(Design)	3	Shayin
Build register view on iOS client(Client)	4	Wentai
Design Login UI(Design)	3	Shayin
Build Login view on iOS client(Client)	4	Wentai
Design UI for profile page(Design)	4	Shayin
Build profile page view on iOS client(Client)	4	Wentai
Build database schema(USER)(Server)	2	Fangzhou
Build database schema(PROFILE)(Server)	2	Fangzhou
Build function to do hash on password and verify hashed password(Server)	2	Fangzhou
Build function to make token for login user and verify the token(Server)	2	Fangzhou Chi
Build connection between register view on client and server(Server & Client)	6	Qi Chi
Build function to add user and profile into database(Server)	4	Fangzhou
Build function to search and update profile in database (Server)	5	Fangzhou

Acceptance Criteria: If this user story is implemented successfully, a tester should be able to create accounts, save the personal information in database, login successfully using any one of the accounts, view the profile and edit the profile.

User Story: As a user, I want to view **Calendar** page, manage schedule and view it when using the app on different devices.

Task Description	Estimated Time(h)	Owner
Create a calendar view page: a table with two columns which the first column shows the time and the left shows the events (UI)	4	Shayin
Create four buttons which enable to jump to a certain date, a search button to find an event, a contact list button and an add button.(UI)	2	Shayin
Create a page for event details. (UI)	10	Bangqin
Implement the transitions from the calendar view to different pages when clicking the jump_to_date button, search button, contact list button or certain events. (UI)	2	Shayin
Implement functions for search and jumping to a certain date. (Server)	6	Qi Chi
Implement the functionality of retrieving data from database and show the calendar on screen.(Server)	8	Qi
Implement the functionality of modifying data in the database(corresponding to add, delete, edit events). (Server)	10	Qi Chi

Acceptance Criteria: If this user story is implemented successfully, a tester should be able to view the schedule, add events, delete events and edit events successfully. The tester is also able to view the schedule when log into other devices.

User Story: As a user, I want to view the **contacts** list and edit it.

Task Description	Estimated Time(h)	Owner
Create a view for contacts list.(UI)	4	Shayin
Create a view for contact's profile.(UI)	6	Wentai
Create a button for searching a contact.(UI)	10	Bangqin
Implement the functionality of modifying contacts in the database.(corresponding to add, delete, accessibility).(Server)	8	Chi Fangzhou
Enable searching a contact in the list. (Server)	4	Fangzhou

Acceptance Criteria: If this user story is implemented successfully, a tester should be able to view the contacts list, view a contact's profile, search a contact and add and delete a contact.

User Story: As a user, I want to **switch views**. Whenever I want to switch views, I can find a proper button.

Task Description	Estimated Time(h)	Owner
Create tabs at the bottom of the page in order to switch between different views.	4	Shayin
Create a back button on top left corner for going back to calendar view for contact list.	10	Bangqin
Enable the left and right swipe gesture in order to view previous and next day.	6	Shayin
Enable a button at the top of the view on the other side to access user's profile and implement corresponding functions.	7	Wentai

Acceptance Criteria: If this user story is implemented successfully, a tester should be able to switch to different views. Tester can not only swipe right and left in order to view calendars of the previous and next day, but also click buttons to switch between calendar view and profile page.

Summary:

Name	Hours
Shayin Feng	30
Wentai Cui	30
(Alex)Bangqin Lin	30
Chi Luo	32
Qi Zhang	30
Fangzhou Lin	29
total	181

Remaining Backlog

Functional requirement:

Users

1. ☐ As a user: I would like to create account or login through facebook and logout.
2. ☐ As a user: I would like to sync my account across iOS devices.
3. ☐ As a user: I would like to request for resetting password.
4. ☐ **(if time allows)** As a developer: I would like to add a textbox on user's profile page to enable leaving text or voice messages on user's profile page.

Calendar_View

5. ☐ As a user: I would like to receive reminder when certain events approach.
6. ☐ **(if time allows)** As a user: I would like to synchronize the calendar on SuLife with calendar on the default calendar apps on my iOS devices.
7. ☐ **(if time allows)** As a user: I would like to be able to import calendar by URL, iCalendar, etc.

Task_View

8. ☐ As a user: I would like to add task with exact deadline or startline.
9. ☐ As a user: I would like to add repeated task(repeat daily, weekly, monthly, etc.)
10. ☐ As a user: I would like to view all tasks sorted by date. (showing how many days later)
11. ☐ As a user: I would like to view the to-do-list day by day by swiping to the left or right.
12. ☐ **(if time allows)** As a user: I would like to swipe a task right to mark it as done.

Map_View

13. ☐ As a developer: I would like to access user's location and mark it on the map.
14. ☐ As a user: I would like to see all the locations of events in a day marked by nails on a map.
15. ☐ As a user: I would like to select an event on the map and check detail of the event.
16. ☐ As a user: I would like to access the event's detail by clicking the pin on the map.
17. ☐ **(if time allows)** As a user: I would like to see my events on the map with a number for each event indicating the time order.

Contacts

- 18. ☐ **(If time allows)** As a user: I would like to comment one's event(s).
- 19. ☐ **(If time allows)** As a user: I would like to see how many people like my event.
- 20. ☐ **(If time allows)** As a user: I would like to have a symbol in front of every contact showing the level of friendliness with each person.
- 21. ☐ **(If time allows)** As a user: I would like to earn score by sending comments towards friends' events.
- 22. ☐ **(If time allows)** As a user: I would like to send wishes to someone.
- 23. ☐ **(If time allows)** As a user: I would like to sort my contacts by the level of friendliness or name.
- 24. ☐ **(If time allows)** As a developer: I would like to record friendliness scores for each user.

Groups

- 25. ☐ As a user (group member): I would like to have the right to add someone in my contacts to the group.
- 26. ☐ As a developer: I would like to save group information in the database.
- 27. ☐ As a user: I would like to delete/leave the group. (People, who create the group only, have the right of deletion)
- 28. ☐ As a user: I would like to find a group by searching group ID or name.
- 29. ☐ As a user: I would like to join a group by sending request.
- 30. ☐ As a user (group leader): I would like to manage group members.
- 31. ☐ As a user: I would like to view the information and group details (members, title, information(data, location, content)).
- 32. ☐ As a user(group member): I would like to create group events and tasks in a group.
- 33. ☐ As a user(group member): I would like to join group events in a group and such events will show up on my calendar.
- 34. ☐ As a user: I would like to build a table listing common-free-time for every member in the group.
- 35. ☐ As a user: when I click a group, I can add notes for group event. (shopping list, meeting notes, etc.) and everyone in the group can edit it.
- 36. ☐ As a developer: for groups, I would like to allow groups exist without an explicit event. Users can create events whenever they want. (NOT one-to-one(one group, one event)).
- 37. ☐ As a developer: for groups, I would like to build a group-event list. Every group member are able to see all group events in time order.
- 38. ☐ **(If time allows)** As a user: I would like to set up my status by inputting the countdown before arriving at the location.

39. ☐ **(If time allows)** As a user: I would like to see all the status of each member in the group. That is, I can see how long others will arrive.

Main_View_Feature

40. ☐ As a user: I would like to view the contact-list and the group-list by switch the button on the top edge of the view.
41. ☐ As a developer, I would like to linked map with calendar. Every change on the map or calendar will be synchronized as soon as possible.

Invitations

42. ☐ As a user: I would like to post invitation in a certain place, all of my contacts can see it. And I can also see others invitations.
43. ☐ As a user: I would like to receive notifications when my friends send invitations.
44. ☐ As a user: I would like to view a list containing all the current active invitations.
45. ☐ As a user: I would like to look for invitations by searching keywords.
46. ☐ As a developer: I would like to process an invitation when someone accepted it. System must be able to send the confirmation to the invitation-holder automatically.
47. ☐ **(If time allows)** As a developer: I would like to freeze invitations which are activated over 24 hours. (Users cannot see it after 24 hours)
48. ☐ **(If time allows)** As a user: I would like to reactivate an invitation for another 24 hours after it was freezed if I still want this invitation to be shown.
49. ☐ **(If time allows)** As a user: I would like to export PDF task-table(month by month) and time schedule(week by week).

Notifications

50. ☐ As a developer: I would like to highlight all unread updates to alert users.

Non-functional requirement:

1. ☐ As a user: I would like to access SuLife from an iOS device.
2. ☐ As a user: I would like the application can protect my individual privacy.
3. ☐ As a user: I would like to use an application with clear and concise UI.
4. ☐ As a user: I would like to get response from the server immediately when I send a request.
5. ☐ As a developer: I would like to have username and hashed password kept in the database.
6. ☐ As a developer: I would like to have my server available all the time.

7. ☐ As a developer: I would like to keep backup for all my data on my database.
8. ☐ As a developer: I would like to have my server can respond any request in a short time.
9. ☐ As a developer: I would like to have my API readable by others.
10. ☐ As a developer: I would like to have my server and client work efficiently.
11. ☐ As a developer: I would like to have my user's data save in the database safely.