

Team 6 Product Backlog

SuLife

Wentai Cui, Shayin Feng, Bangqin Lin, Fangzhou Lin, Chi Luo, Qi Zhang

1. Problem Statement

Currently, people tend to connect each other through mobile apps. In order to satisfy the increasing social needs of most people, we will develop a social calendar. The current calendars are mostly for personal use and lack of location information. Our shared calendar will allow users to communicate in a group and share schedules and locations with their friends.

2. Background Information:

Nowadays, communication and collaboration among people become more and more important. However, it's not convenient to schedule an event for a group of people, since everyone is busy with his/her own daily schedule. Fortunately, there already exist several calendar applications such as Google Calendar, Upto, Hub, etc..

Google Calendar offers excellent user experience and allows user to share calendars with others. However, although Google Calendar can be integrated with other Google services including gmail, iGoogle, Google Desktop, it lacks social interaction between people. Our application, unlike current calendar applications, allows a user to create a group, send and receive invitations, and collect friendship scores depending on their activities.

Upto is also a shared calendar application on iOS platform. It has features supporting the social interactions such as sharing calendar, inviting people to an event. However, SuLife will provide better location services for users. Users can view the locations of events in a map clearly. With this, the targeted users can plan their social events more happily and conveniently.

In conclusion, our application aims to solve scheduling and social problems. It will focus on domains like business, social life, education etc. Unlike other calendar applications, users can schedule meetings, hang out with friends and establish closer relations with friends.

3. Requirement:

Functional requirement:

1. □ As a user: I would like to create account or login through facebook and logout.
2. □ As a user: I would like to modify my personal profile (change password, add contact information, etc.).
3. □ As a user: I would like to sync my account across iOS devices.
4. □ As a user: I would like to request for resetting password.
5. □ As a user: I would like to view the calendar day by day by swiping to the left or right.
6. □ As a user: I would like to be able to jump to a certain date and go back to today with a single click.
7. □ As a user: I would like to add events at a certain time period.
8. □ As a user: I would like to edit events at a certain time period.
9. □ As a user: I would like to receive reminder when certain events approach.
10. □ As a user: I would like to synchronize the calendar on SuLife with calendar on the default calendar apps on my iOS devices. **(If time allows)**
11. □ As a user: I would like to be able to import calendar by URL, iCalendar, etc. **(If time allows)**
12. □ As a user: I would like to add task with exact deadline or startline.
13. □ As a user: I would like to add repeated task(repeat daily, weekly, monthly, etc.)
14. □ As a user: I would like to swipe a task right to mark it as done. **(if time allows)**
15. □ As a user: I would like to view all tasks sorted by date. (showing how many days later)
16. □ As a user: I would like to view the to-do-list day by day by swiping to the left or right.
17. □ As a user: I would like to switch between calendar and task list by hitting the button in the tab bar at the bottom edge of the screen.
18. □ As a user: I would like to add contacts by searching username.
19. □ As a user: I would like to accept or reject a friend request.
20. □ As a user: I would like to sort my contacts by the level of friendliness or name. **(If time allows)**
21. □ As a user: I would like to find a contact in my contacts by searching the name.
22. □ As a user: I would like to set remarks and tags for contacts.
23. □ As a user (group member): I would like to have the right to add someone in my contacts to the group.

- 24. □ As a user: I would like to delete/leave the group. (People, who create the group only, have the right of deletion)
- 25. □ As a user: I would like to find a group by searching group ID or name.
- 26. □ As a user: I would like to join a group by sending request.
- 27. □ As a user (group leader): I would like to manage group members.
- 28. □ As a user: I would like to view the contact-list and the group-list.
- 29. □ As a user: I would like to view the information and group details (members, title, information(data, location, content)).
- 30. □ As a user: I would like to share my schedule with certain contacts.
- 31. □ As a user: I would like to hide the details of some secret events when I share the calendar with my friends.
- 32. □ As a user(group member): I would like to create group events 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 comment one's event(s). **(If time allows)**
- 35. □ As a user: I would like to see how many people like my event. **(If time allows)**
- 36. □ As a user: I would like to have a symbol in front of every contact showing the level of friendliness with each person. **(If time allows)**
- 37. □ As a user: I would like to earn score by sending comments towards friends' events. **(If time allows)**
- 38. □ As a user: I would like to send wishes to someone. **(If time allows)**
- 39. □ As a user: I would like to set up my status by inputting the countdown before arriving at the location. **(If time allows)**
- 40. □ 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. **(If time allows)**
- 41. □ As a user: I would like to build a table listing common-free-time for every member in the group.
- 42. □ 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.
- 43. □ 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.
- 44. □ As a user: I would like to receive notifications when my friends send invitations.
- 45. □ As a user: I would like to view a list containing all the current active invitations.
- 46. □ As a developer: I would like to freeze invitations which are activated over 24 hours. (Users cannot see it after 24 hours) **(If time allows)**
- 47. □ 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. **(If time allows)**
- 48. □ As a user: I would like to look for invitations by searching keywords.

- 49. □ As a user: I would like to see all the locations of events in a day marked by nails on a map.
- 50. □ As a user: I would like to select an event on the map and check detail of the event.
- 51. □ As a user: I would like to delete the event on the map.
- 52. □ As a user: I would like to see my events on the map with a number for each event indicating the time order. **(if time allows)**
- 53. □ As a user: I would like to export PDF task-table(month by month) and time schedule(week by week). **(If time allows)**
- 54. □ 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.
- 55. □ As a developer: I would like to highlight all unread updates to alert users.
- 56. □ 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)).
- 57. □ 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.
- 58. □ As a developer: I would like to save users' profiles in the database.
- 59. □ 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.
- 60. □ As a developer: I would like to access user's location and mark it on the map.
- 61. □ As a developer: I would like to update contacts for each user in the database.
- 62. □ As a developer: I would like to save group information in the database.
- 63. □ As a developer: I would like to record friendliness scores for each user. **(If time allows)**
- 64. □ As a developer: I would like to update calendar in the database in time.
- 65. □ 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. **(If time allows)**

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.