

Project Part 2 - GROUP

Team: Deepak Kyasaralli Thimmappa
Rashmi Shetty
Yawen Zhang

Title: Life Wisely

Project Summary:

A web application to manage life wisely. The application provides reminders on things which are often neglected, including diet, medication, hygiene, stress buster etc. Besides the reminder function, a log system is in place to keep track of the achievements and a reward system is in place to encourage completion of tasks.

Project Requirements:

Business Requirements			
ID	Requirements	Topic Area	Priority
BR-01	Each login is via CU email	Authentication	Critical
BR-02	Tracking the activity of users in certain period and producing logs	DB	High
BR-03	Giving rewards for user's achievements in certain period	Reward	High
BR-04	Software upgrade (should only happen on weekends)	Upgrade	Good-to-have

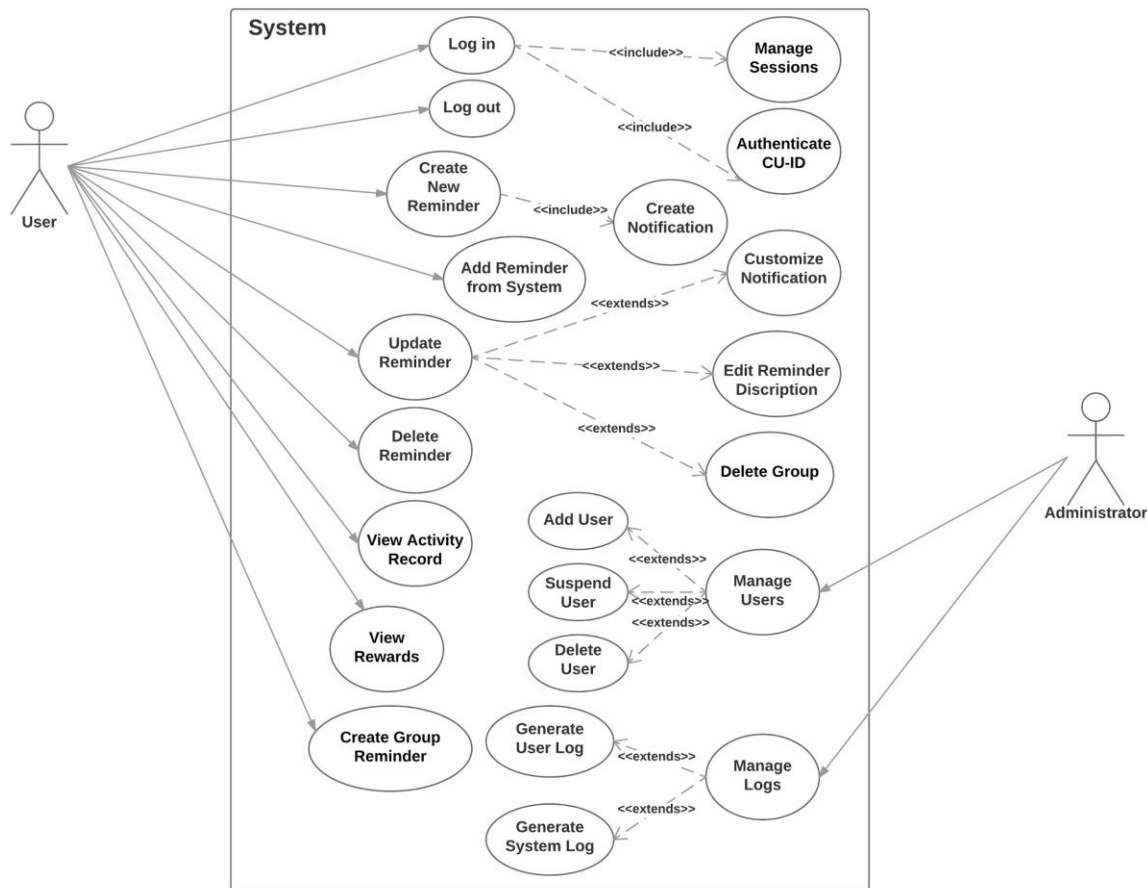
User Requirements				
ID	Requirements	Topic Area	Actor	Priority
UR-01	As a user, I want to login the system	Authentication	User	Critical

UR-02	As a user, i want to logout the system	Authentication	User	Critical
UR-03	As a user, I want to create a new reminder	Reminder	User	Critical
UR-04	As a user, I want to customize reminder notification	Reminder	User	Critical
UR-05	As a user, I want to add existing reminder from system	Reminder	User	Critical
UR-06	As a user, I want to delete a reminder	Reminder	User	Critical
UR-07	As a user, I want to update a reminder	Reminder	User	Critical
UR-08	As a user, I want to create a group reminder	Reminder	User	High
UR-09	As a user, I want to delete group related to a reminder	Reminder	User	High
UR-10	As a user, I want to view my regular activity record	DB	User	High
UR-11	As a user, I want to view rewards for my achievements	Reward	User	High
UR-12	As a system administrator, I want to add user	DB	Admin	High
UR-13	As a system	DB	Admin	High

	administrator, I want to delete user			
UR-14	As a system administrator, I want to suspend user	DB	Admin	High
UR-15	As a system administrator, I want to generate user log	DB	Admin	High
UR-16	As a system administrator, I want to generate system log	DB	Admin	High

Non-Functional Requirements			
ID	Requirements	Topic Area	Priority
NR-01	300 concurrent users should be supported	Performance	High
NR-02	Access by all OS	Platform	Critical
NR-03	Access to external data (import from Google calendar)	Interface	High
NR-04	Backup DB	Security	High

Use Case Overview:



Data Storage:

- DB: PostgreSQL
- Data is distributed in 6 tables

User information is stored in User table with columns as User email, Password, User Name, Gender, Phone number, Email having User email as primary key.

User group information is stored in User Group table with columns as Admin User (user who creates the group), member User Email, Group name and simple description.

Reminder information is stored in Task table with columns as User email, TaskID, Task Name, Begin Time, End time and status with User email as foreign key

Log information table which stores User email, log in time and log out time with User email as foreign key.

Notification table with Task ID, Notification title and Recurrence type with Task ID as foreign key.

Reward table with Task ID, points with Task ID as foreign key.

UI Mockups:

- Main UI (after user logged in)

LIFEWISELY WIREFRAME

Life Wisely | March 14, 2017



- UI flow

i) When user clicks, Create New Reminder, the following form is displayed

A hand-drawn UI sketch of a 'CREATE REMINDER FORM' on lined paper. The sketch includes a header bar with 'LIFE WISELY' on the left, 'Home | Profile' in the center, and 'Logged in (abc)' on the right. The main form area is titled 'CREATE REMINDER FORM' and contains several input fields: 'REMINDER NAME:', 'CATEGORY:', 'FREQUENCY' with three radio button options ('DAILY', 'BIWEEKLY', 'MONTHLY'), 'NOTIFICATION mode:' with a dropdown menu showing 'Please select one', 'START TIME:', 'END TIME:', and 'REWARD POINTS:'. A 'SUBMIT' button is located at the bottom right of the form area.

LIFE WISELY | Home | Profile | Logged in (abc)

CREATE REMINDER FORM

REMINDER NAME:

CATEGORY:

FREQUENCY ☐ DAILY ☐ BIWEEKLY ☐ MONTHLY

NOTIFICATION mode:

START TIME:

END TIME:

REWARD POINTS:

SUBMIT

Submission is confirmed with home page loaded with updated task

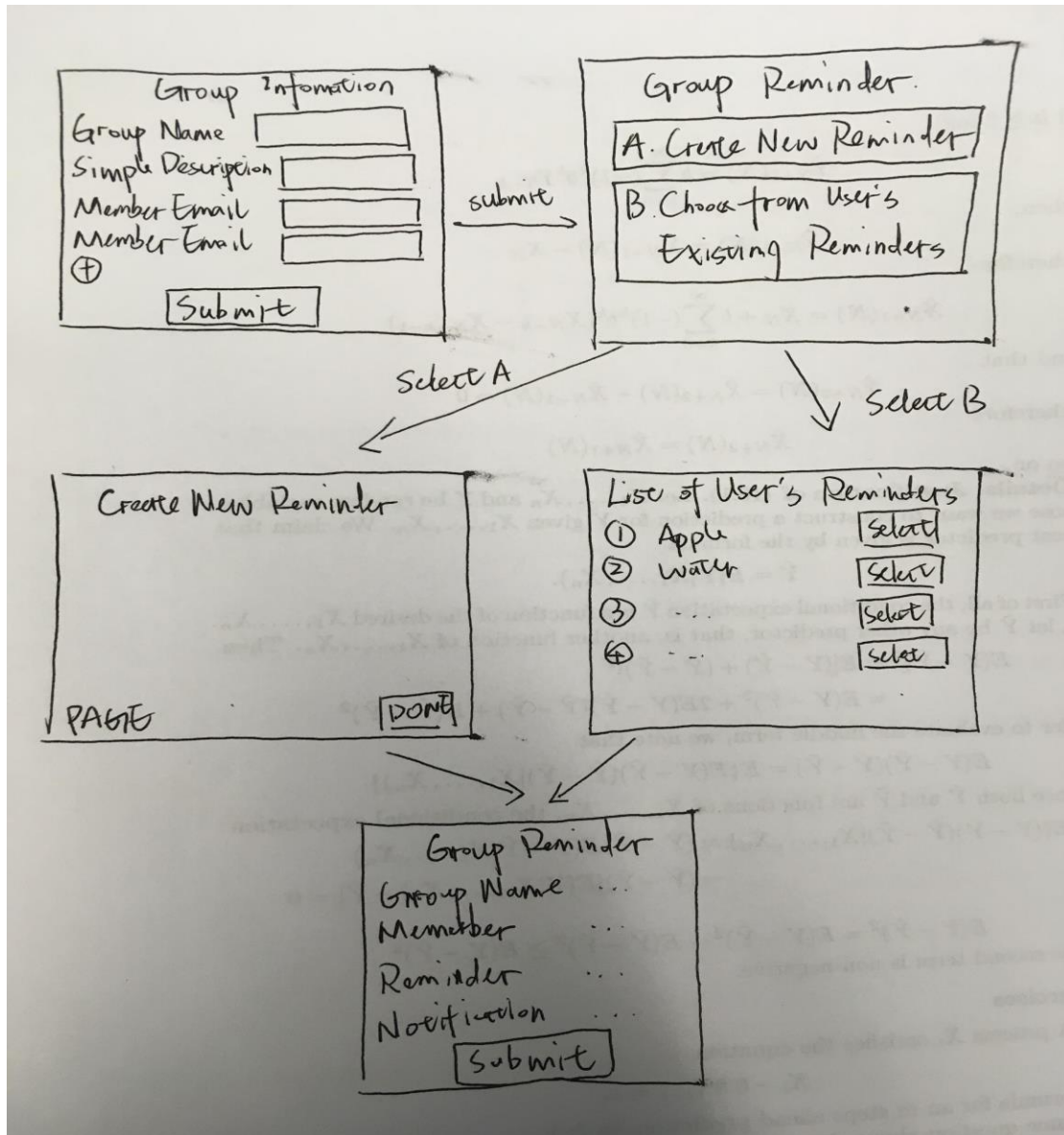
ii) When user clicks, add existing reminder form, following form is displayed:

The image shows a hand-drawn sketch of a web form on lined paper. The form is titled 'ADD EXISTING REMINDERS FORM' and is enclosed in a rectangular border. At the top left, there is a navigation bar with 'LIFE WISELY' followed by links for 'Home' and 'Profile'. At the top right, it says 'logged in (ab)'. The form contains several input fields and a submit button. The fields are: 'REMINDER CATEGORY' with a dropdown menu showing 'Please Select One'; 'REMINDER' with a dropdown menu showing 'Please select one'; 'FREQUENCY' with three radio button options: 'DAILY', 'BIWEEKLY', and 'MONTHLY'; 'NOTIFICATION MODE' with a dropdown menu showing 'Please select one'; 'START TIME'; 'END TIME'; and 'REWARD POINTS'. A 'SUBMIT' button is located at the bottom center of the form.

LIFE WISELY Home Profile		logged in (ab)
ADD EXISTING REMINDERS FORM		
REMINDER CATEGORY	[Please Select One] v	
REMINDER	[Please select one] v	
FREQUENCY	<input type="radio"/> DAILY <input type="radio"/> BIWEEKLY <input type="radio"/> MONTHLY	
NOTIFICATION MODE	[Please select one] v	
START TIME		
END TIME		
REWARD POINTS		
[SUBMIT]		

Upon completion of either forms, the user is presented with updated home page.

iii) When user clicks, create group reminder, the following page is presented. Upon completion of initial form, the user is provided option of creating reminder or select existing reminder as mentioned in i) or ii) of UI-flow



Admin View:

The diagram illustrates the Admin View interface, showing a transition from a login screen to a dashboard.

Login Screen:

- Header: LIFE WISELY
- Form fields: LOGIN [] and PASSWORD []

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Admin Dashboard:

- Header: WELCOME ADMIN
- Logout button: LOGOUT
- Buttons: ADD USER, SUSPEND USER, DELETE USER, GENERATE USER LOG, and GENERATE SYSTEM LOG

Class Diagram:

