



Cégep de la Gaspésie et des Îles, Montreal

A Project Report

On

Remind Me At 

Under subject of

End of Program Project

420-ENW-MT

(Mobile Application Development-316)

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Academic year

2020

Contents

1. Introduction.....	3
1.1 Purpose	3
1.2 Scope.....	4
2. General Description	5
2.1 Product Functions	5
2.2 User Characteristics.....	5
2.3 Admin Characteristics.....	5
3. Specific Requirements.....	6
3.1 Functional Requirements.....	6
3.2 Non-functional Requirements.....	8
4. Analysis Models.....	9
4.1 Use Case	9
4.2 Sequence Diagrams	10
4.3 Class Diagram.....	15
4.4 Screen flows diagram and Screen design.....	16
5. Database.....	19
5.1 Conceptual E-R Diagram	19
5.2 Logical E-R Diagram	19
5.3 Database Queries	20
6. Use Case Scenarios	21
6.1 User Story	21
6.2 Use Case Scenario	23
7. Test Cases.....	30
8. References.....	40

Figure 1.Use case diagram	9
Figure 2.Registration Sequence Diagram.....	10
Figure 3.Set Reminder Sequence Diagram.....	11
Figure 4.Login Sequence Diagram.....	12
Figure 5.Delete Account Sequence Diagram	13
Figure 6.Delete User (Admin) Sequence Diagram	14
Figure 7.Class diagram	15
Figure 8.Screen flows diagram-1.....	16
Figure 9.Screen flow diagram-2	17
Figure 10.Screen flow diagram-Admin	18
Figure 11.Screen design	18
Figure 12.Conceptual E-R Diagram	19
Figure 13.Logical E-R Diagram	19

1. Introduction

The “Remind Me At” application is a new and amazing application to help people remember important tasks by setting up reminders based on location. This app is free to download. The user can register, set up their reminders, by adding a title, description and a location for it. Need to remember important things? Just add a reminder and let the app do the rest of the work for you. One can easily change the reminder title, description and location and also set it to active/inactive accordingly. This app makes the lives of people easy and sorted as they can focus on other things rather than just thinking about small day to day things like groceries or meeting someone at some specific place, etc. It’s a very user-friendly app.

It is built by using the following technologies:

Front End - XML

Backend - JAVA and Firebase Database

Development Tool – Android Studio

1.1 Purpose

In today’s busy life, where people have so many different tasks to perform, whether it’s related to office or house work, remembering each and every single task can sometimes get to the nerves. Earlier, people used to make hand written notes to remind themselves of important tasks. But now as there is more and more advancement in the technology and mobile application market, getting a notification of an important task is just a click away. One way to categorize these tasks can be a Location Based. It means a task to be performed at a specific location like going for groceries after leaving office, or getting petrol filled in the car after leaving home, etc. The purpose of the android application project “Remind Me At” is to let people remind themselves of important tasks or reminders through push notifications. Through this application users will be able to set different reminders by searching a location on the map and giving it a title and description. This application will be using Google Maps and Google Places API to track user’s current location with the target location and then send them a push notification if the location matches.

1.2 Scope

The main function of this application is to help users to set reminders on the basis of their location. The application provides the function to the user, where he can set a reminder based on location rather than time. It has solved many problems faced by people nowadays like if a user has defined a desired location, the user will notify automatically when he will enter that location. The user can set a reminder by adding location and he can add a description, title of the reminder or the task he wants to do when he will be at that location. Whenever the user will reach that location, the app is going to match his current location with the target location and will send him a push notification for the same.

2. General Description

2.1 Product Functions

- Add reminder
- Search location
- Update profile
- View reminder list
- Delete reminder
- Set reminder as active or inactive
- Search Reminder
- Set reminder range
- View reminder history
- User Feedback
- Login
- Log Out
- Reset user's password
- Push notification

2.2 User Characteristics

- A use of the application can be possible by the registered user only.
- Registered user can use all the functionalities of the app.
- User can login or signup.
- User can send feedback.
- User can manage their profile
- User can view reminders and reminder history.
- Easy to use interface.
- Registered user can set reminders
- User can add title, description to the reminder
- User can set a location range around the target location
- User can search desired locations by searching the map
- User can set reminders to active/inactive.
- Registered user can receive push notifications from the system
- Android native standards across the application.

2.3 Admin Characteristics

- Admin can disable/enable user from the application.
- Admin can completely delete a user from the application.
- Admin can send password reset link to user on their registered email.

3. Specific Requirements

3.1 Functional Requirements

Requirement Id	Requirement Statement	Priority	Comments
FR001	Login Page	HIGH	The system must have login screen as a home to login using email and password for registered users.
FR002	Sign Up	HIGH	The application must have a sign up page where the new user can register using email and password.
FR003	User feedback	HIGH	The registered user shall have an option where they can give feedback for application.
FR004	Password Recovery	HIGH	Follow the secure procedure to recover the password in case if registered user forgets.
FR005	Add Reminder	HIGH	Registered user can add reminders with title, description and location.
FR006	Search Location	HIGH	The registered user can search for location using Google Maps API while adding reminder.
FR007	View Reminder	HIGH	The registered user can see all added reminders in list view and map.
FR008	Update Reminder	HIGH	The registered user can update an already existing reminder. (Like Title, Description and Location).
FR009	Delete Reminder	HIGH	The registered user can delete reminder.

FR010	Push Notification	HIGH	System must always send a push notification when registered user enters the target location.
FR011	Set Location Range	HIGH	The registered user can set a specific radius range around the target location.
FR012	Active/Inactive Reminder	HIGH	The registered user can have option to activate or inactivate a set reminder.
FR013	Profile Update	HIGH	The registered user can update their personal details like Name, Profile Photo, etc.
FR014	Search Reminder	HIGH	The registered user can search a particular reminder from the reminder list using keywords and location on map.
FR015	Delete Profile	HIGH	The registered user can delete his/her profile. This action will delete all user data.
FR016	Reminder History	HIGH	The registered user can check past reminder history.
FR017	Log Out	HIGH	To allow users to logout from the application.
FR018	Delete User(Admin)	HIGH	Admin can delete user from application.
FR019	Disable/Enable User(Admin)	HIGH	Admin can Disable/Enable user from application.
FR020	Send Password Reset Link(Admin)	HIGH	Admin can send password reset link to user on their registered email.
FR021	Accuracy Mode	HIGH	User can set location accuracy mode (High/Low).

3.2 Non-functional Requirements

Requirement Id	Requirement	Priority	Comments
NFR001	Continuous Location Check	HIGH	App will compare user's current location with target location every 30 seconds using Google Maps API in the background.
NFR002	Login authentication	HIGH	The system must provide login after secure authentication with server for Registered user.
NFR003	Performance and response time	HIGH	The performance of app must be highly scaled with accurate and fast response time.
NFR004	Usability	HIGH	App UI needs to be Effective, Efficient, Engaging, Error Tolerant, Easy to Learn so even first time user will be able to use app easily.
NFR005	Power and memory consumption	HIGH	App will allow user to select high accuracy mode and balanced mode, which will helps to manage power and memory consumption.
NFR006	Network independent	HIGH	App needs to work well with any kind of location provider independent of network connection. (GPS location provider or network location provider).

4. Analysis Models

4.1 Use Case

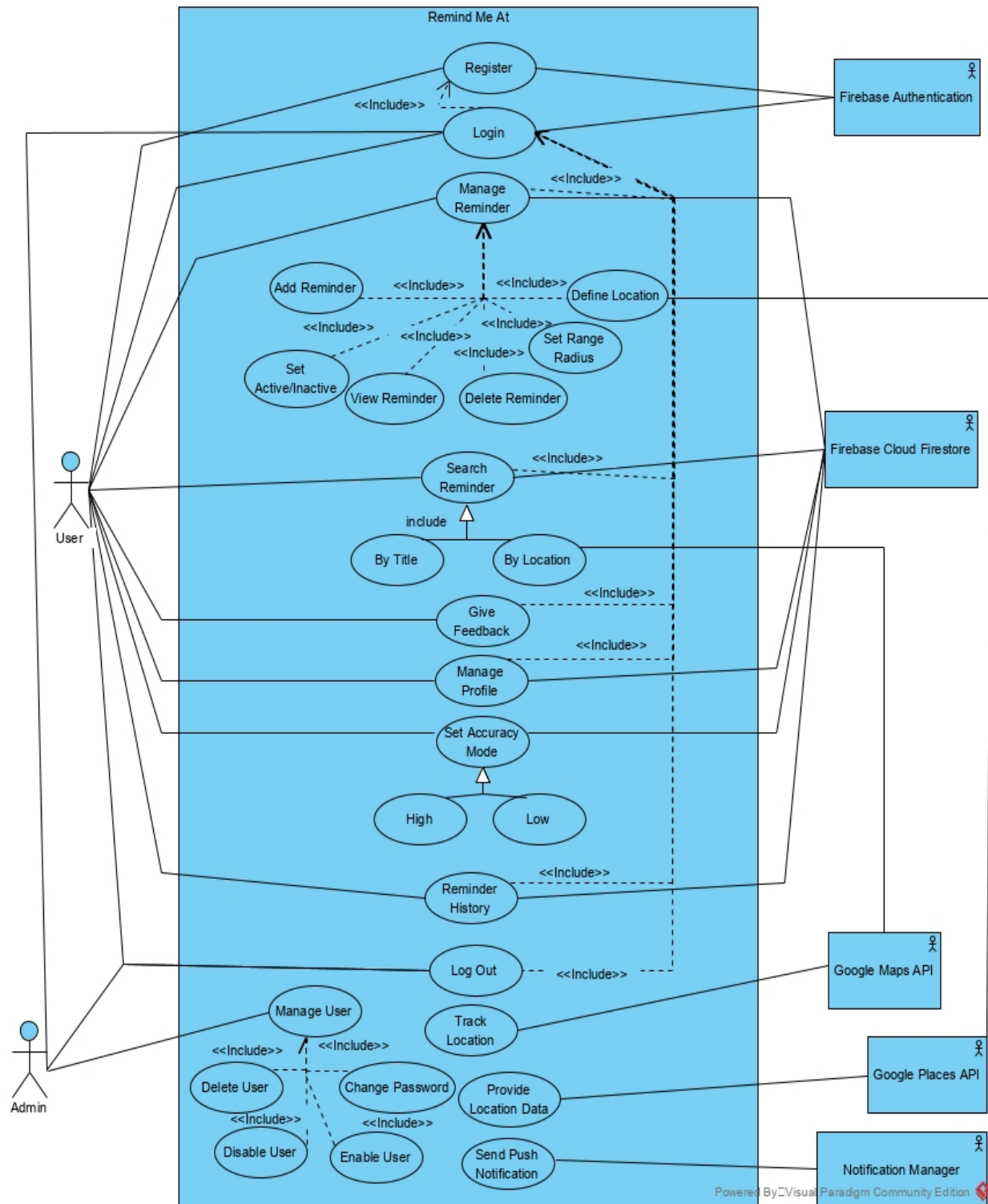


Figure 1. Use case diagram

4.2 Sequence Diagrams

- 1-Register

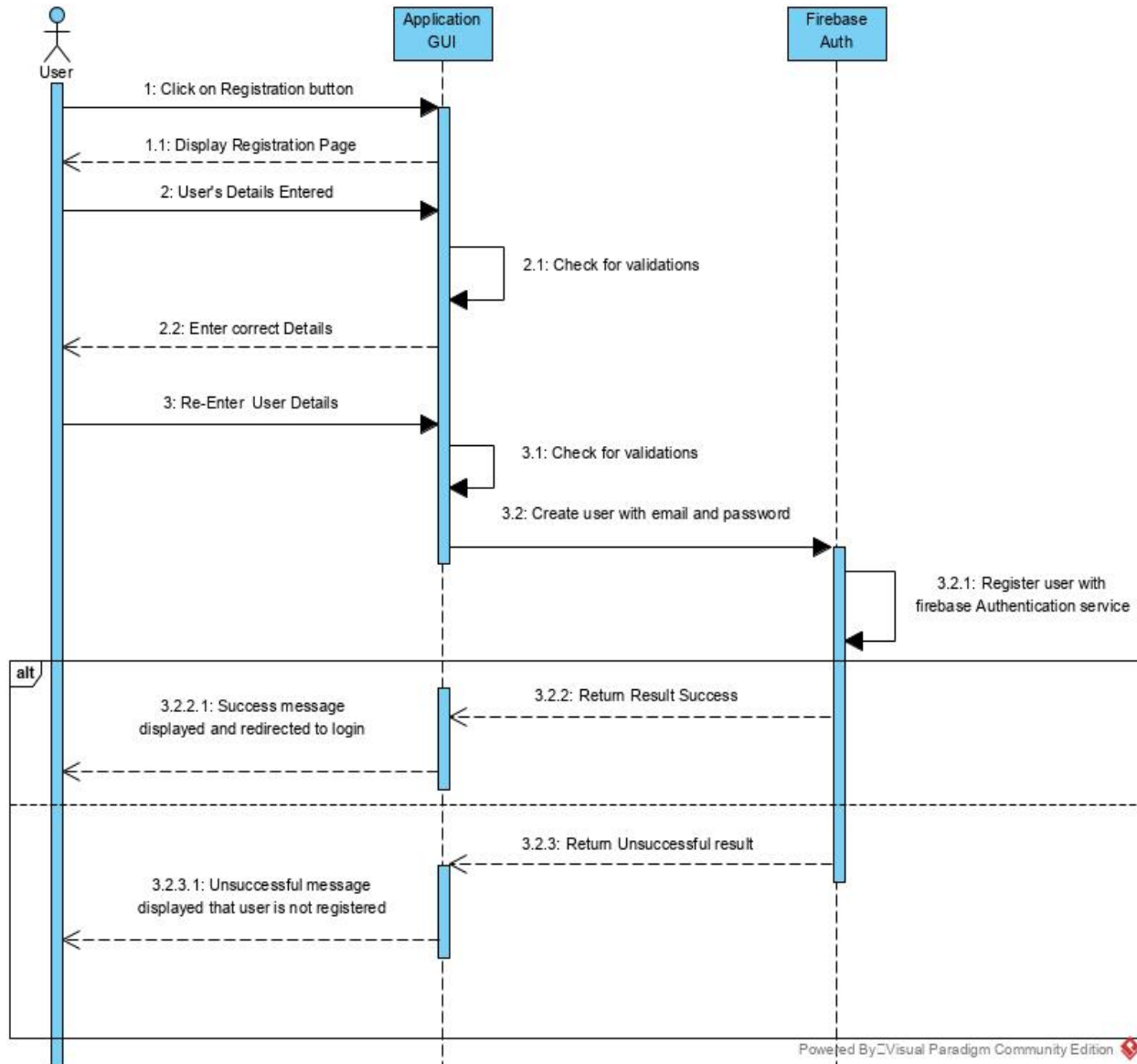


Figure 2.Registration Sequence Diagram

- 2-Set reminder

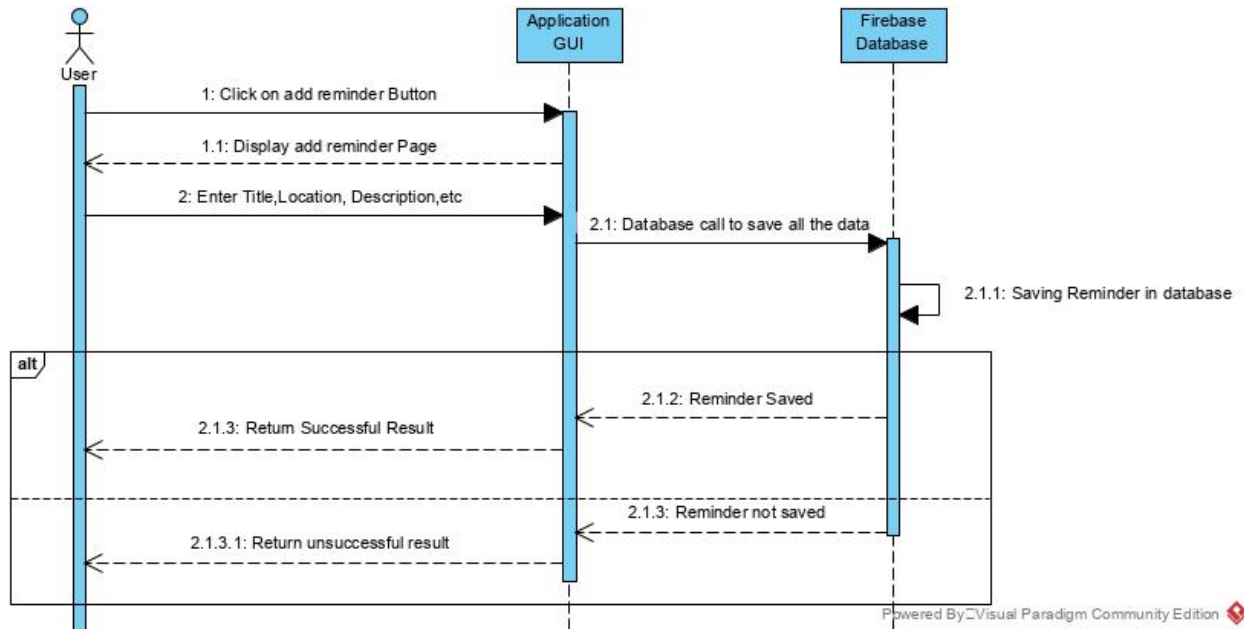


Figure 3.Set Reminder Sequence Diagram

- 3-Login

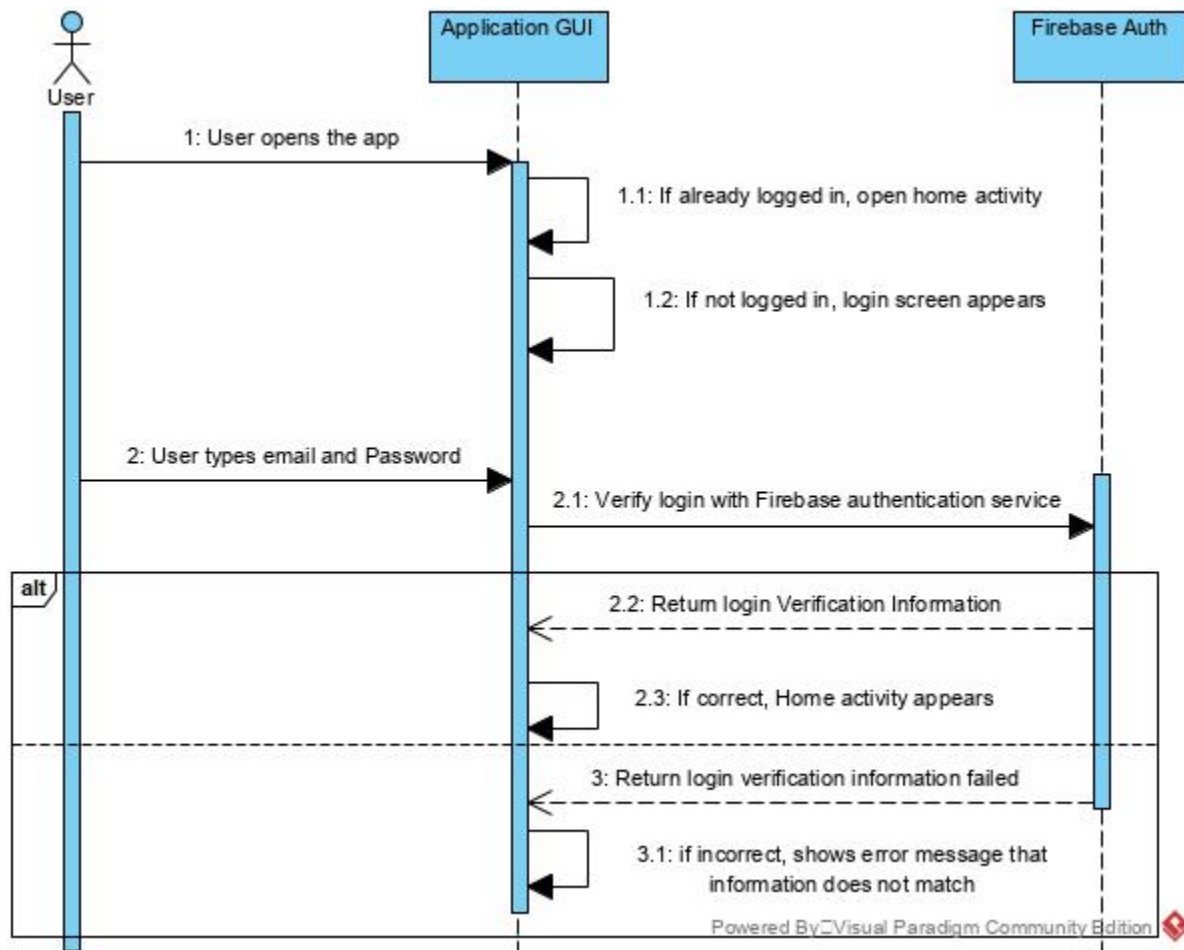


Figure 4.Login Sequence Diagram

- **4-Delete Account(User)**

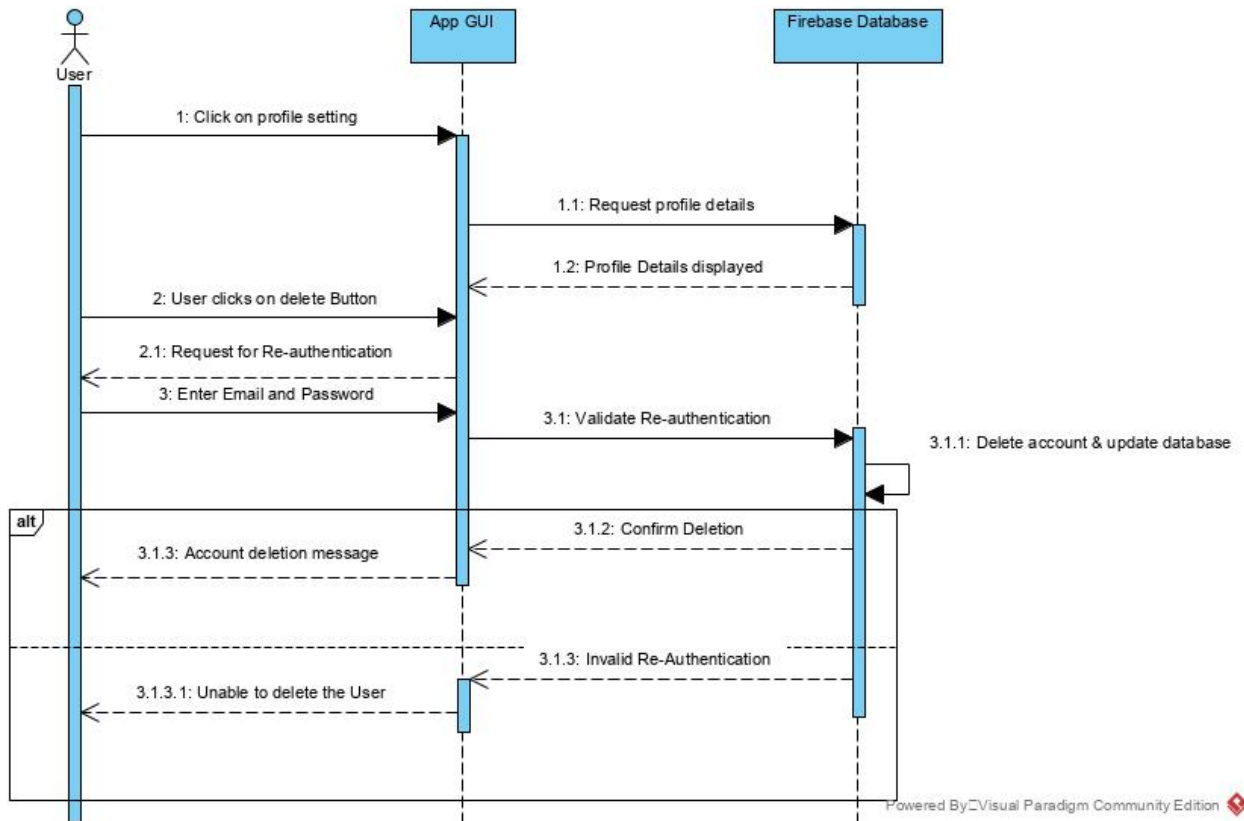


Figure 5.Delete Account Sequence Diagram

- 5-Delete User(Admin)

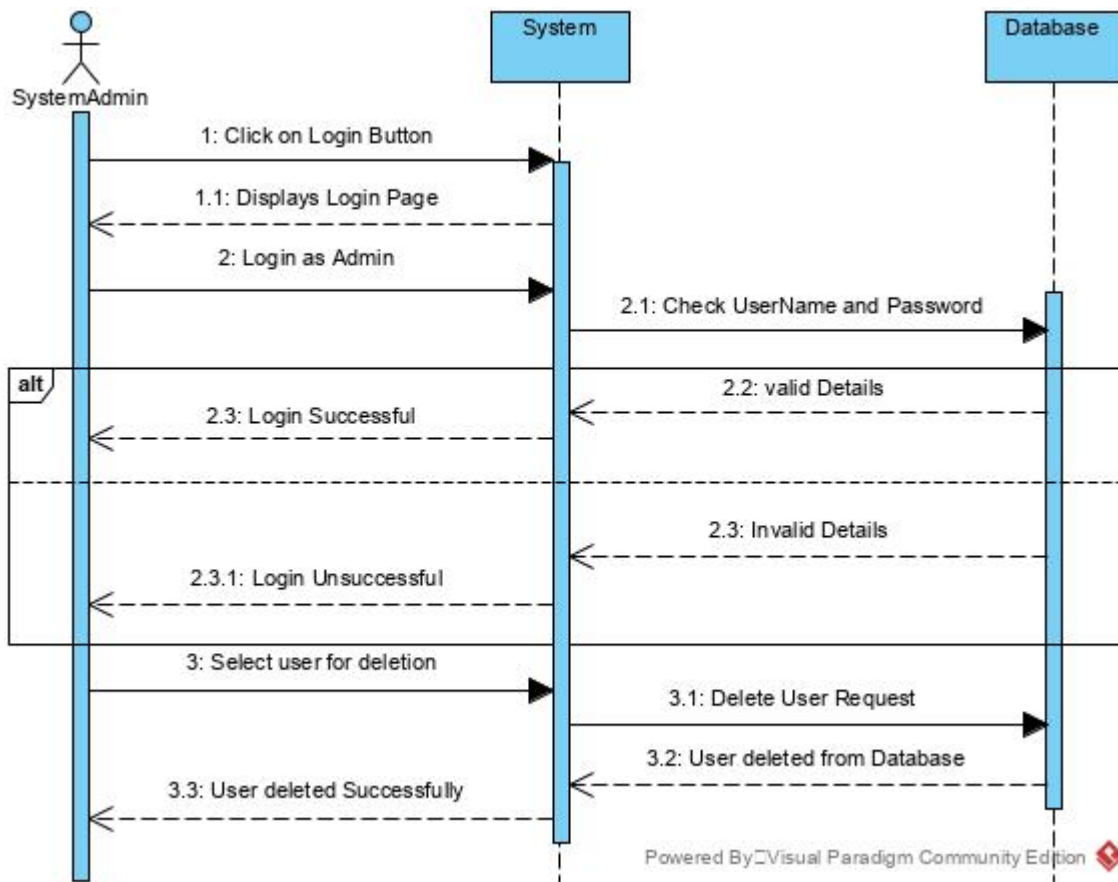


Figure 6.Delete User (Admin) Sequence Diagram

4.3 Class Diagram

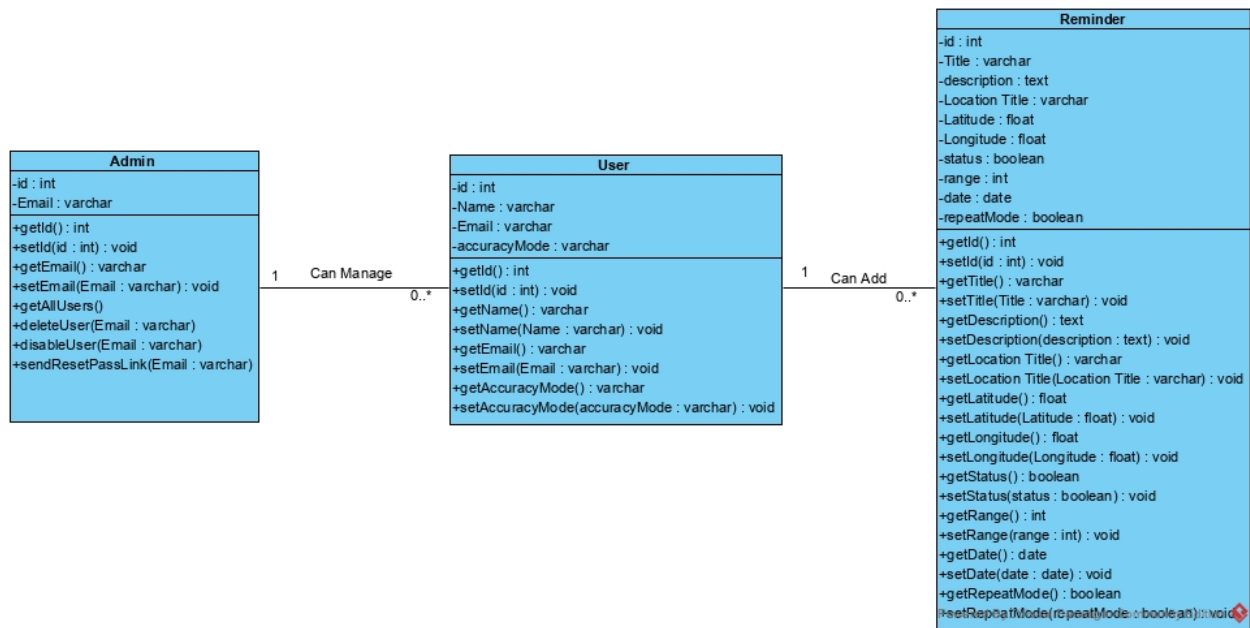


Figure 7. Class diagram

4.4 Screen flows diagram and Screen design

<https://www.justinmind.com/usernote/tests/44751178/48474142/48474144/index.html>

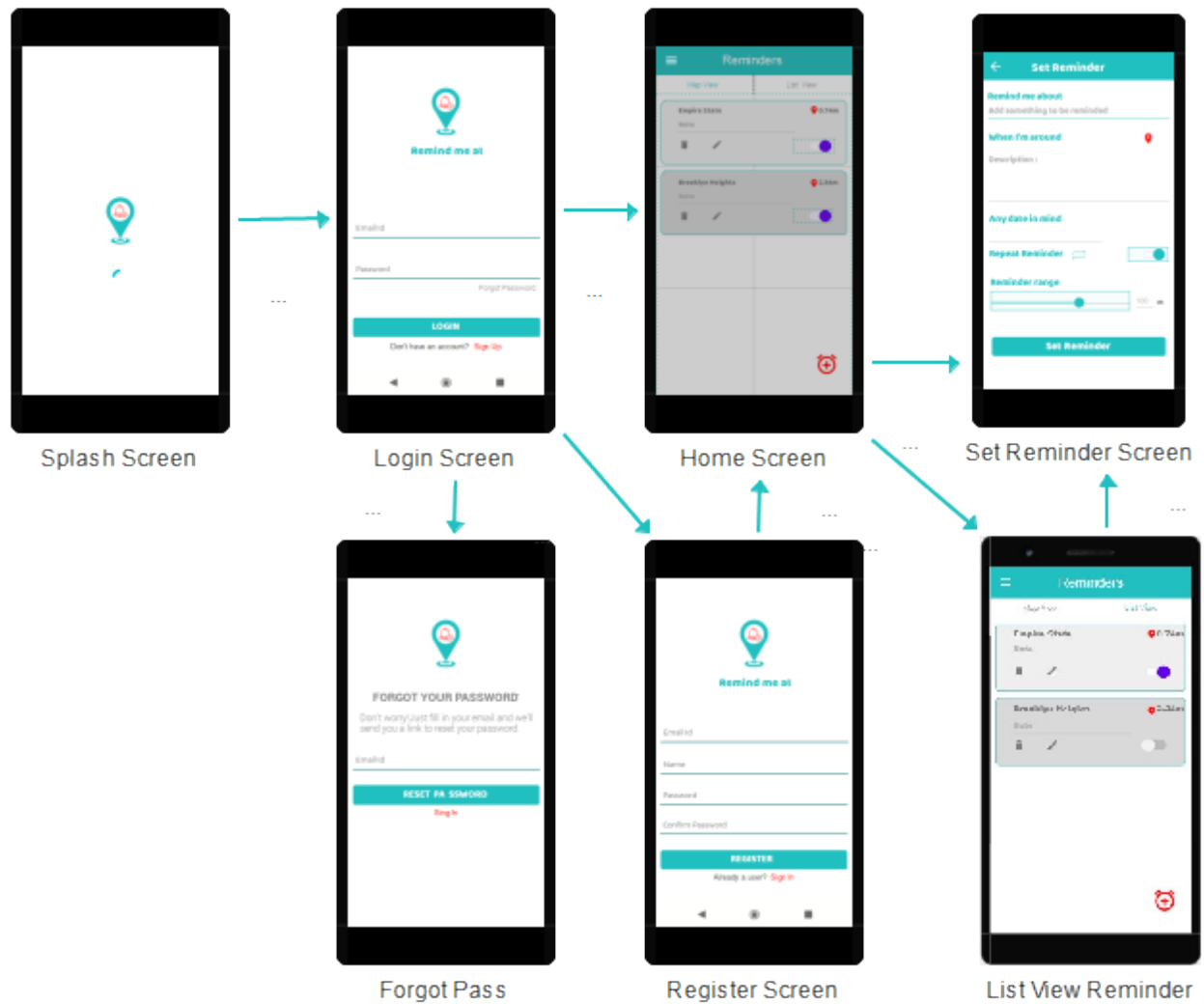


Figure 8. Screen flows diagram-1

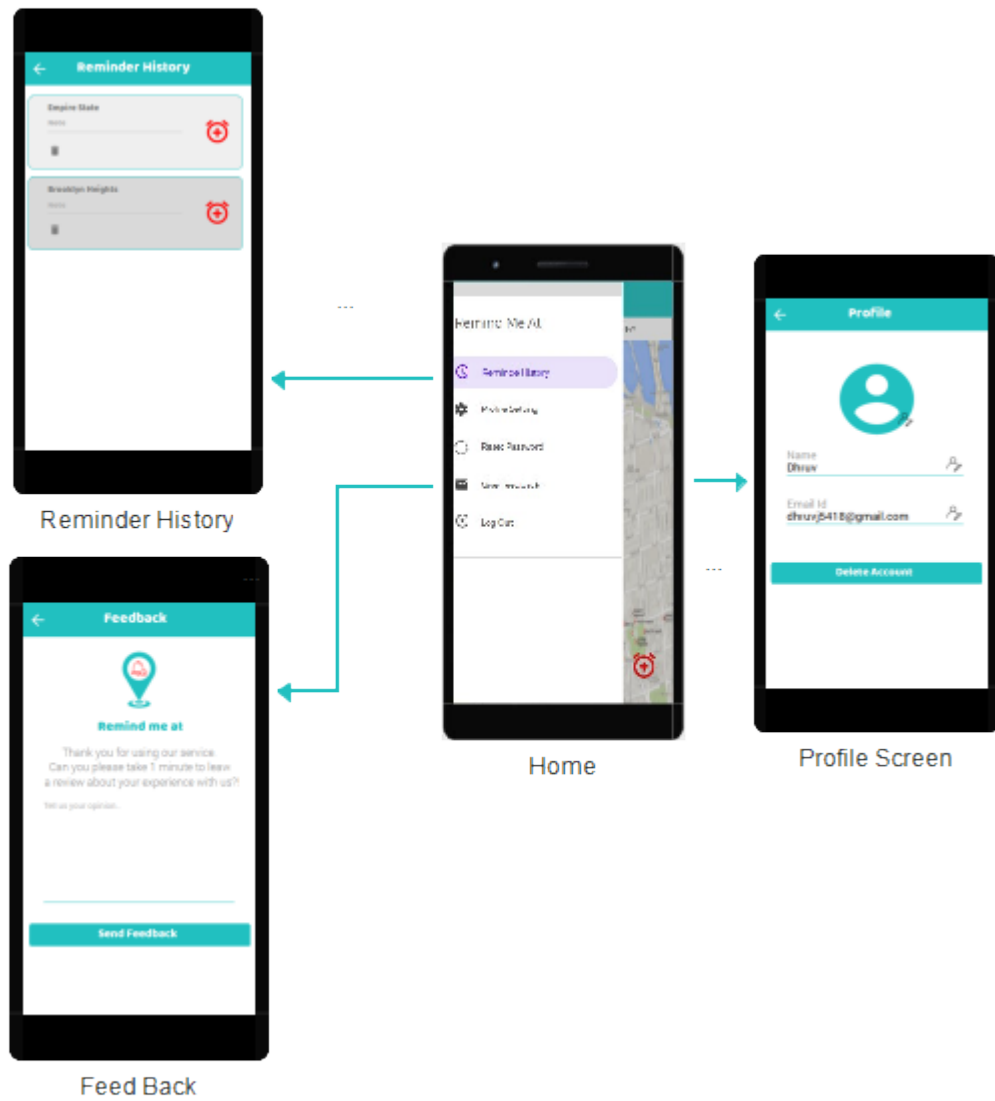


Figure 9.Screen flow diagram-2

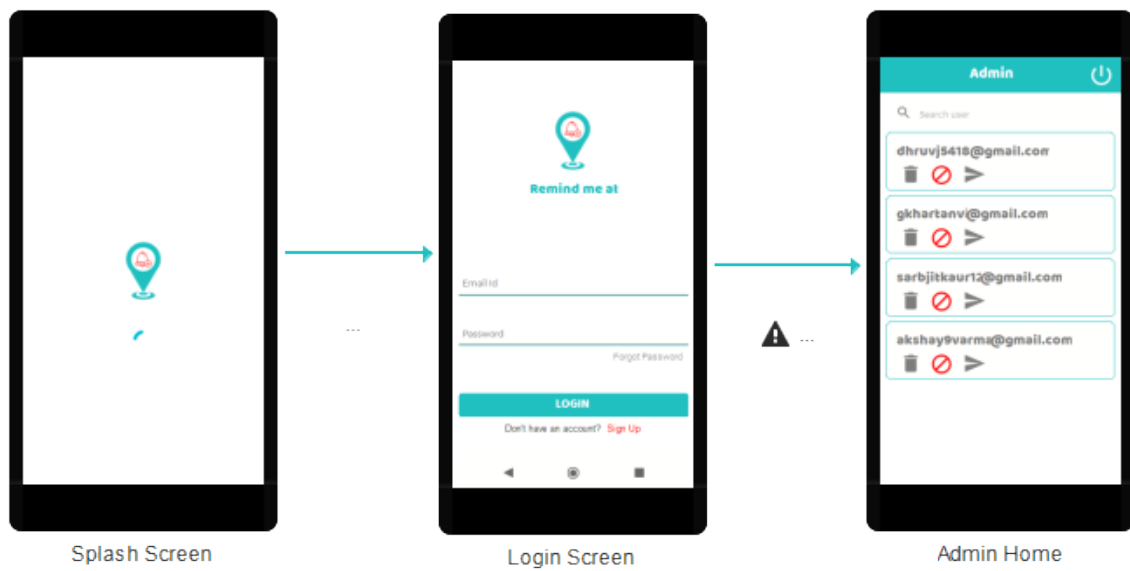


Figure 10.Screen flow diagram-Admin

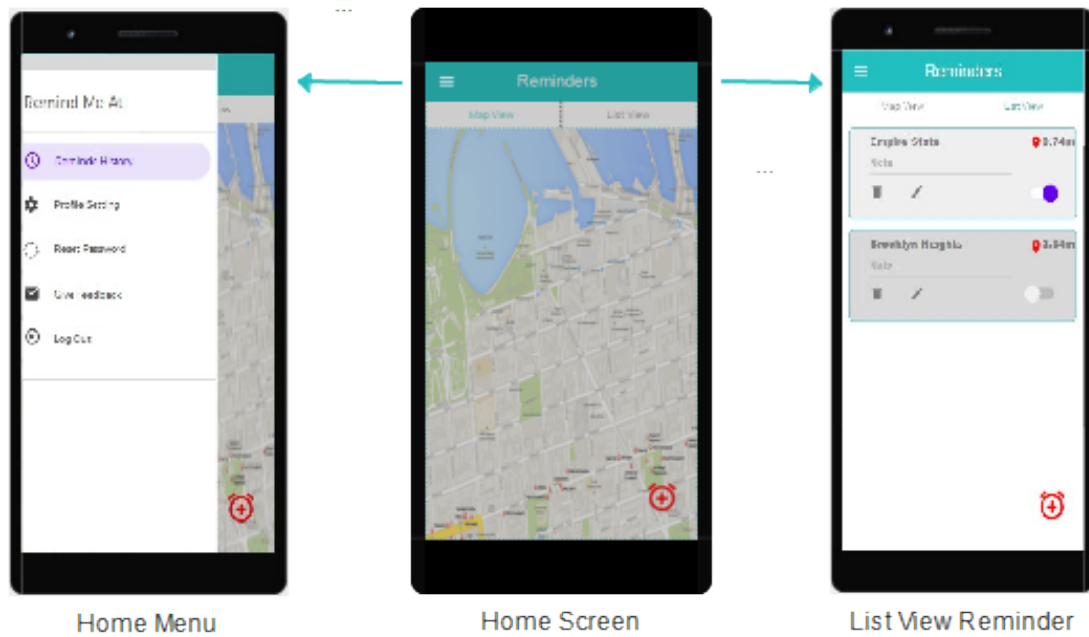


Figure 11.Screen design

5. Database

5.1 Conceptual E-R Diagram

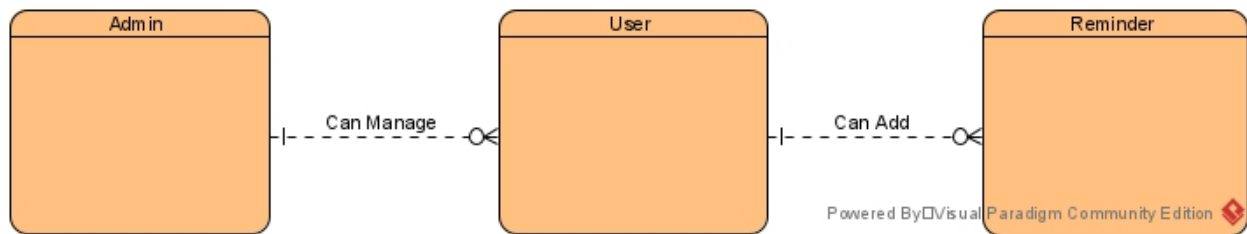


Figure 12. Conceptual E-R Diagram

5.2 Logical E-R Diagram

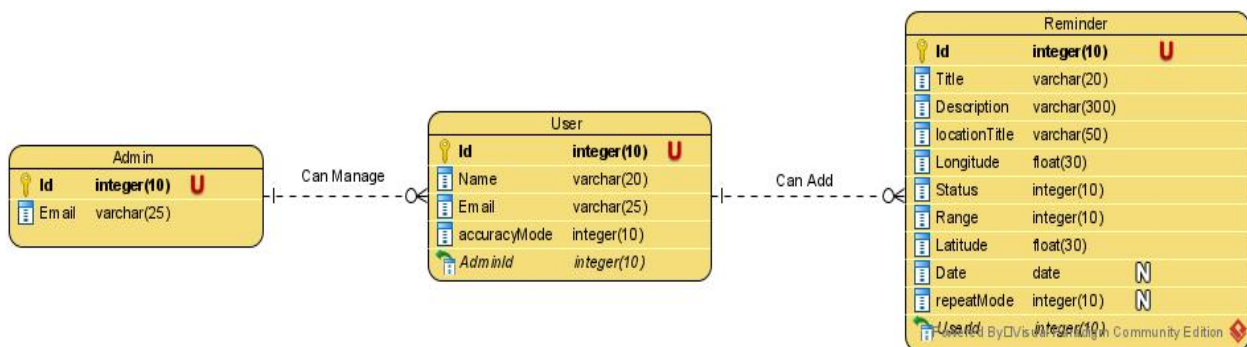


Figure 13. Logical E-R Diagram

5.3 Database Queries

- CREATE TABLE Admin (Id int(10) NOT NULL AUTO_INCREMENT, Email int(10) NOT NULL UNIQUE, PRIMARY KEY (Id));
- CREATE TABLE Reminder (Id int(10) NOT NULL AUTO_INCREMENT, Title varchar(255) NOT NULL, Description varchar(255) NOT NULL, locationTitle varchar(100) NOT NULL, Longitude float NOT NULL, Latitude float NOT NULL, `Date` date, repeatMode int(1), status int(1) NOT NULL, UserId int(10) NOT NULL, PRIMARY KEY (Id));
- CREATE TABLE `User` (Id int(10) NOT NULL AUTO_INCREMENT, Name varchar(50) NOT NULL, AccuracyMode int(10) NOT NULL, Email varchar(100) NOT NULL UNIQUE, AdminId int(10) NOT NULL, PRIMARY KEY (Id));

6. Use Case Scenarios

6.1 User Story

Story Id	As a...	I want to...	So that...	Acceptance Criteria
S001	Register User	Fill all my login details only once	I can access my application without doing login process every time.	User does not have to fill login information several time.
S002	Register User	I want to update location.	So I can add updated location to my previously added reminder.	User can update location in previous reminder same description without adding new reminder.
S003	Register User	I want to see all my reminders on map also.	So that I can see on map at which locations I'm having reminders.	User can see reminders on the map by location markers.
S004	Register User	I want to see all my upcoming reminders as list.	So that I can see all my reminders as a list view.	User can search for reminders in a list view.
S005	Register User	I want to see my completed reminder.	So that I can check which reminders are completed?	User can see history of reminders.
S006	Register User	I want to reset a reminder from my history.	So that I don't need to add same reminder once more.	User can directly reset reminder from history.
S007	Register User	I want to reset my password.	So that I can login to my account.	User will get password reset link on their registered email.
S008	Register User	I want to delete reminder.	So that I don't get notified by system for that reminder.	If the user has already set a reminder and now he don't want to do that task. The user can delete that reminder from a list.

S009	Register User	I want to get notification about the reminder.	So that I can complete my task.	Back end system is going to match user's current location with reminder's location and if it matches, user will get push notification.
S010	Register User	I want to give suggestions or I want to discuss about the issue which I'm facing while using the application.	So that I can get better user experience.	User can give feedback about the application to admin team.
S011	Register User	I want to inactive previously added reminder.	So that I can active it later without adding it again.	User can active/inactive reminders using toggle button.
S012	Admin	I want to delete user from application.	So that user can't login directly without new registration.	Admin can delete user from application.
S013	Admin	I want to disable user from application.	So that user can't login or re-register using same email with application.	Admin can disable user from application.
S014	Admin	I want to send reset password link to user on request.	So that user can reset their password using received link via email.	Admin can send password reset link and user will be able to login.
S015	Register User	I want to set location accuracy mode.	So that I can manage battery and memory consumption of application.	User can set accuracy mode (High/Low).
S016	Admin	I want to enable user in application.	So that user can login or re-register using same email with application.	Admin can enable user from application.

6.2 Use Case Scenario

- 1-Register

System	A Mobile Application – Remind me at
Identifier	UC-1
Author(s)	Team-4
Version	None
Name	Register new User
Pre-Condition(s)	The user is non-registered and does not have an account on Remind me at Application
Post-Condition(s)	The user is directed to the Login Page of the mobile application.
Trigger	The user has clicked on the Sign Up button.
Normal Flow	<ol style="list-style-type: none">1. User clicks on the Sign Up button to create the user profile.2. User enters the details in the form and sets up the email and password.3. User clicks on submit the information.4. User is redirected to the login Page.
Alternate Flow	None
Exceptional Flow(s)	<p>Exception: Only unregistered emails can be used for registration.</p> <ol style="list-style-type: none">1. The system will prompt the message “Email has already been registered, enter new email”.2. The password should be a minimum 6 characters.3. The system will prompt the message “Password is short, it should be at least 6 characters” on the application display.4. The system will prompt the message “Email and Password required”
Related Actor(s)	Primary-Non-Registered User
Related Use Case(s)	Login

- 2-Login

System	A Mobile Application – Remind me at
Identifier	UC-2
Author(s)	Team-4
Version	None
Name	Login
Pre-Condition(s)	The user is registered and has an account on Remind me at Application
Post-Condition(s)	The user is directed to the homepage of Remind me at Application.
Trigger	The user has clicked on the Login button
Normal Flow	<ol style="list-style-type: none"> 1. User clicks on the Login button 2. User enters the email and the password in the form. 3. User is directed to the homepage specific to the user.
Alternate Flow	<ol style="list-style-type: none"> 1. User clicks on “forget password. 2. User enters the email used for registration. 3. Email to change password is sent to the given email address. 4. User changes the password and confirms the changes. 5. User is directed to the Login page. 6. User enters the user name and the password in the form. 7. User is directed to the homepage specific to the user
Exceptional Flow(s)	<p>The password should be a minimum 6 characters.</p> <p>The system will prompt the message “Password is short, it should be at least 6 characters” on the application display.</p> <p>The system will prompt the message “Email is not registered”.</p> <p>The system will prompt the message “Email and Password required”.</p>
Related Actor(s)	Primary-Registered User
Related Use Case(s)	Sign Up

- 3-Reset Password

System	A Mobile Application – Remind me at
Identifier	UC-3
Author(s)	Team-4
Version	None
Name	Reset Password
Pre-Condition(s)	The user is registered and have an account on Remind me at Application
Post-Condition(s)	None
Trigger	The user has clicked on the Reset Password button.
Normal Flow	<ol style="list-style-type: none"> 1. User clicks on the Reset Password button. 2. User enters the email used for registration. 3. User clicks on reset password. 4. User will change password using link received by email. 5. User is redirected to the Login Page.
Alternate Flow	None
Exceptional Flow(s)	<p>Exception: Password should be a minimum 6 character.</p> <ol style="list-style-type: none"> 1. The system will prompt the message “Password is too short, it should be at least 6 characters”. 2. The system will prompt the message “Email is not registered with application”.
Related Actor(s)	Primary-Registered User
Related Use Case(s)	View Profile, Login.

- 4-View Profile

System	A Mobile Application – Remind me at
Identifier	UC-4
Author(s)	Team-4
Version	None
Name	View Profile
Pre-Condition(s)	The user is registered and have an account on Remind me at application
Post-Condition(s)	None
Trigger	The user has clicked on the View Profile button.
Normal Flow	<ol style="list-style-type: none"> 1. User clicks on View Profile. 2. User can view personal details like profile picture and Personal details.
Alternate Flow	<ol style="list-style-type: none"> 1. User can click on the setting button. 2. User can edit profile settings such as username and email id. 3. User clicks the reset password button to reset password. 4. Users can sign out of the application.
Exceptional Flow(s)	None
Related Actor(s)	Primary-Registered User
Related Use Case(s)	Reset Password, Update Profile, Delete Profile.

- 5-Set Reminder

System	A Mobile Application – Remind me at
Identifier	UC-5
Author(s)	Team-4
Version	None
Name	Set Reminder
Pre-Condition(s)	The user is registered and have an account on Remind me at application
Post-Condition(s)	Show a reminder message to user, when user reaches on the saved location.
Trigger	The user has clicked on the Set Reminder button.
Normal Flow	<ol style="list-style-type: none"> 1. User selects the reminder option from the dashboard screen of the app. 2. Search the location and save the desired location, and then enter the reminder name and description. After that click on save button to save the reminder.
Alternate Flow	None
Exceptional Flow(s)	<ol style="list-style-type: none"> 1. System gives an error message whenever system fails to connect database. 2. System gives an error message “Reminder title cannot be empty”.
Related Actor(s)	Primary-Registered User
Related Use Case(s)	Set Reminder

- 6-View Reminder

System	A Mobile Application –Remind me at
Identifier	UC-6
Author(s)	Team-4
Version	None
Name	View Reminder
Pre-Condition(s)	The user is registered and have an account on Remind me at application.
Post-Condition(s)	None
Trigger	The user has opened Home page.
Normal Flow	<ol style="list-style-type: none"> 1. User opens home page. 2. User views a list of reminders which he has added previously. 3. User clicks on particular reminder to view all details.
Alternate Flow	None
Exceptional Flow(s)	None
Related Actor(s)	Primary-Registered User
Related Use Case(s)	Update Reminder, Delete Reminder

- 7- Update Reminder

System	A Mobile Application – Remind me at
Identifier	UC-7
Author(s)	Team-4
Version	None
Name	Update Reminder
Pre-Condition(s)	The user is have an account on Remind me at application and minimum one previously added reminder.
Post-Condition(s)	None
Trigger	The user has clicked the update button.
Normal Flow	<ol style="list-style-type: none"> 1. User clicks on the update button. 2. User will edit details like title, description and location. 3. User will click save button.
Alternate Flow	None
Exceptional Flow(s)	<ol style="list-style-type: none"> 1. System gives an error message whenever system fails to connect database. 2. System gives an error message “Reminder title cannot be empty”.
Related Actor(s)	Primary-Registered User
Related Use Case(s)	None

- 8- Delete Profile

System	A Mobile Application –Remind me at
Identifier	UC-8
Author(s)	Team-4
Version	None
Name	Delete Profile
Pre-Condition(s)	The user is registered and have an account on remind me at Application
Post-Condition(s)	User will be deleted completely with all user data from the application.
Trigger	The user has clicked the delete profile button.
Normal Flow	<ol style="list-style-type: none"> 1. User clicks on the delete profile button. 2. User enters correct email and password of the account. 3. User click Delete button. 4. User will be redirected to Login page.
Alternate Flow	None
Exceptional Flow(s)	<ol style="list-style-type: none"> 1. Email and Password combination doesn't match.
Related Actor(s)	Primary-Registered User.
Related Use Case(s)	None

- 9- Push Notification

System	A Mobile Application –Remind me at
Identifier	UC-9
Author(s)	Team-4
Version	None
Name	Send push notification
Pre-Condition(s)	The user is registered and have an account on Remind me at application
Post-Condition(s)	None
Trigger	When application is in background and minimum one reminder is added.
Normal Flow	<ol style="list-style-type: none"> 1. App will compare User's current location with target location continuously when the app will be in back ground. 2. If location got matched system will send push notification to user.
Alternate Flow	None
Exceptional Flow(s)	<ol style="list-style-type: none"> 1. System might fail to send notification in case of no internet connection, no GPS connection.
Related Actor(s)	Primary-Registered User
Related Use Case(s)	None

- 10- Delete Reminder

System	A Mobile Application –Remind me at
Identifier	UC-10
Author(s)	Team-4
Version	None
Name	Delete Reminder
Pre-Condition(s)	The user is registered and minimum one previously added reminder.
Post-Condition(s)	None
Trigger	The user has clicked the Delete reminder button.
Normal Flow	<ol style="list-style-type: none"> 1. User has clicked the delete reminder button. 2. Reminder will be deleted.
Alternate Flow	None
Exceptional Flow(s)	None
Related Actor(s)	Primary-Registered User
Related Use Case(s)	None

7. Test Cases

Project Name: Remind Me At	
Test Case	
Test Case ID: 001	Test Designed by: Dhruv Patel
Test Priority (Low/Medium/High): High	Test Designed date: October 30, 2020
Module Name: Registration screen	Test Executed by: Kamaljit Kaur
Test Title: Test the registration functionality in Remind Me At	Test Execution date: October 30, 2020
Description: Verify registration with valid email and password.	

Pre-conditions: Entered Email should not be already registered. Password should be minimum six characters.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to registration page		User should be directed to registration Page	Registration screen opens	Pass	
2	Provide valid name	First name = test	Credentials can be entered	As expected	Pass	
3	Provide valid email	Email= test@gmail.com	Credentials can be entered	As expected	Pass	
4	Provide valid password	Password= 123456	Credentials can be entered	As expected	Pass	
5	Confirm Password	Password= 123456	Credentials can be entered	As expected	Pass	
6	Click on <Sign Up> Button		Login Page opens	Login Page opens	Pass	

Post Condition: User has been registered successfully and the details of the user has been saved in the firebase.

Project Name: Remind Me At	
Test Case	
Test Case ID: 002	Test Designed by: Dhruv Patel
Test Priority (Low/Medium/High): High	Test Designed date: October 30, 2020
Module Name: Registration screen	Test Executed by: Kamaljit Kaur
Test Title: Test the registration functionality in Remind Me At	Test Execution date: October 30, 2020
Description: Verify registration with valid email and password.	

Pre-conditions: Entered Email should not be already registered. Password should be minimum six characters.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to registration page		User should be able to navigate to registration Page	Registration screen opens	Pass	
2	Provide valid first name	Name =test	Credentials can be entered	As expected	Pass	
3	Provide valid email	Email= test@gmail.com	Credentials can be entered	User cannot enter email	Fail	Only new users can register
4	Provide valid password	Password= 1236	Credentials can be entered	User cannot enter password	Fail	Password should be minimum 6 characters
5	Confirm Password	Password= 123456	Credentials can be entered	User cannot enter Confirm password	Fail	Confirm password should match the password
6	Click on <Sign Up> Button		Login Page opens	Login Page cannot open	Fail	User can not register

Post Condition: User has failed to register.

Project Name: Remind Me At	
Test Case	
Test Case ID: 003	Test Designed by: Dhruv Patel
Test Priority (Low/Medium/High): High	Test Designed date: October 30, 2020
Module Name: Login screen	Test Executed by: Kamaljit Kaur
Test Title: Test the Login functionality in Remind Me At	Test Execution date: October 30, 2020
Description: Login user with valid email and password.	

Pre-conditions: Entered Email should exist in the Firebase. Email and password should be valid.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to Login page		Login screen should appear	Login Screen appears	Pass	
2	Provide valid email	Email= kamal@gmail.com	Credentials can be entered	As expected	Pass	
3	Provide valid password	Password= 123456	Credentials can be entered	As expected	Pass	
4	Click on <Login> Button		Home Screen opens	Home screen opens	Pass	

Post Condition: Email and password is valid and user is able to login. The Home screen of application appears on login.

Project Name: Remind Me At	
Test Case	
Test Case ID: 004	Test Designed by: Dhruv Patel
Test Priority (Low/Medium/High): High	Test Designed date: October 30, 2020
Module Name: Profile Setting screen	Test Executed by: Kamaljit Kaur
Test Title: Test the Email Edit functionality in Profile Setting Screen	Test Execution date: October 30, 2020
Description: Edit the Email by confirming current email and password	

Pre-conditions: Entered Email and Password should be valid and registered. New email should not be already registered.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to Profile Setting page		User should be able to edit Email	User is able to edit Email	Pass	
2	Click on Edit Email		Edit email popup view should appear	Edit Email popup view appears	Pass	
3	Provide New Email	Email=abc@gmail.com	Credentials can be entered	As expected	Pass	
4	Provide Current email	Email=kamal@gmail.com	Credentials can be entered	As expected	Pass	
5	Provide Current Password	Password=123456	Credentials can be entered	As expected	Pass	
6	User clicks on<Update email> button		Email should be updated	Email is updated	Pass	

Post Condition: Email has been successfully edited and saved in the firebase.

Project Name: Remind Me At	
Test Case	
Test Case ID: 005	Test Designed by: Dhruv Patel
Test Priority (Low/Medium/High): High	Test Designed date: October 30, 2020
Module Name: Profile Setting screen	Test Executed by: Kamaljit Kaur
Test Title: Test the Delete profile functionality in Profile Setting Screen	Test Execution date: October 30, 2020
Description: Delete profile by confirming current email and password	

Pre-conditions: Entered Email and Password should be valid and registered.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to Profile Setting page		Profile Setting page should appear	Profile Setting Page opens	Pass	
2	Click on <Delete Account> button		Delete profile pop up view should appear	Delete profile pop up view appears	Pass	
3	Provide email	Email= kamal@gmail.com	Credentials can be entered	As expected	Pass	
4	Provide Password	Password=123456	Credentials can be entered	As expected	Pass	
5	User clicks on<Delete Profile> button		Profile is deleted	Profile is deleted	Pass	

Post Condition: User profile is successfully deleted from authentication as well as cloud fire store.

Project Name: Remind Me At	
Test Case	
Test Case ID: 006	Test Designed by: Dhruv Patel
Test Priority (Low/Medium/High): High	Test Designed date: October 30, 2020
Module Name: Notification	Test Executed by: Kamaljit Kaur
Test Title: test whether the user is being notified about reminder	Test Execution date: October 30, 2020
Description: test by checking the location of the user and the status of reminder.	

Pre-conditions: User must be within the described range in the Reminder. Phone must have a good internet connection and allowed to use the location service.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Check the internet connection of phone	Phone, internet connection	Phone have a good internet connection	Phone have a good internet connection	Pass	
2	Check the Active reminders	Status of reminder (Active /Inactive)	Status of reminder is Active	As expected	Pass	
3	User is within the described range	Checking the longitude and latitude	User is within the range to be notified	As expected	Pass	
4	Check for the date of reminders.	Date of reminder (Today's date or no date).	Reminders are having correct date value	As expected	Pass	
5	Sending notification to user		User receives the notification	As expected	Pass	

Post Condition: User has been notified about the reminder.

Project Name: Remind Me At	
Test Case	
Test Case ID: 007	Test Designed by: Dhruv Patel
Test Priority (Low/Medium/High): High	Test Designed date: October 30, 2020
Module Name: Reminder	Test Executed by: Tanvi Gakhar
Test Title: testing the specified date when to notify	Test Execution date: October 30, 2020
Description: test by matching the current date with the date mentioned in the reminder.	

Pre-conditions: User must be within the described range in the Reminder on the specific date mentioned.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Check the internet connection of phone	Phone, internet connection	Phone have a good internet connection	Phone have a good internet connection	Pass	
2	Check for the Active reminder	Status of reminder (Active /Inactive)	Status of reminder is Active	As expected	Pass	
3	Compare the date in the reminder with the current date	Current date =specified date in the reminder	User is at the location on the specified date	As expected	Pass	
3	User is within the described range	Checking the longitude and latitude	User is within the range to be notified	As expected	Pass	
4	Sending notification to user		User receives the notification	As expected	Pass	

Post Condition: User has been notified about the reminder on the specific date.

Project Name: Remind Me At	
Test Case	
Test Case ID: 008	Test Designed by: Dhruv Patel
Test Priority (Low/Medium/High): Medium	Test Designed date: November 8, 2020
Module Name: Login screen	Test Executed by: Kamaljit Kaur
Test Title: Test the Login functionality in Remind Me At	Test Execution date: November 8, 2020
Description: Login user with valid email and password.	

Pre-conditions: Entered Email should exist in the Firebase. Email and password should be valid.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to Login page		Login screen should appear	Login Screen appears	Pass	
2	Provide valid email	Email= ricky@gmail.com	Credentials can be entered	Email does not exist	Fail	User need to register first
3	Provide valid password	Password= 1456	Credentials can be entered	Password incorrect	Fail	Password should be minimum 6 characters and should match with database
4	Click on <Login> Button		Home Screen opens	User cannot login	Fail	

Post Condition: Email and password is not valid and user is unable to login. User need to register first or if already registered then he should provide valid information.

Project Name: Remind Me At	
Test Case	
Test Case ID: 009	Test Designed by: Dhruv Patel
Test Priority (Low/Medium/High): Medium	Test Designed date: November 8, 2020
Module Name: Admin	Test Executed by: Kamaljit Kaur
Test Title: Test the delete User functionality by Admin	Test Execution date: November 8, 2020
Description: Login Admin with valid email and password.	

Pre-conditions: Admin should have a valid email and password.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to Login page		Login screen should appear	Login Screen appears	Pass	
2	Provide valid admin email	Email= admin@admin.com	Credentials can be entered	As expected	Pass	
3	Provide valid password	Password= 123456	Credentials can be entered	As expected	Pass	
4	Click on delete icon of the user that you want to delete		User will be deleted successfully	User is deleted successfully	Pass	

Post Condition: Email and password is valid and Admin is able to login. The user is deleted successfully.

Project Name: Remind Me At	
Test Case	
Test Case ID: 010	Test Designed by: Dhruv Patel
Test Priority (Low/Medium/High): Medium	Test Designed date: November 8, 2020
Module Name: Reminder History	Test Executed by: Kamaljit Kaur
Test Title: Re-adding reminder from history	Test Execution date: November 9, 2020
Description: Login Admin with valid email and password.	

Pre-conditions: User should be login. Reminder should be in history that you want to Re-add.

Step	Test Steps	Test Data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Navigate to Reminder history page		Reminder history page should appear	Reminder history Screen appears	Pass	
2	Search for the reminder to be re-added	Search = testing (reminder title)	Reminder can be searched	Reminder appears in the list	Pass	
3	Click on the <+> icon		Add-Reminder page opened with pre-filled data like title, description, location and range.		Pass	
4	Fill required details in add reminder page and click Add button.	Repeat mode on.	Reminder can be Re-added to active reminder list	Reminder is added to Active Reminder list	Pass	

Post Condition: Reminder is Re-added to the active reminder list.

8. References

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- <https://console.firebase.google.com/>
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