

Use Case Description

Use Case ID:	1.0		
Use Case Name:	Start Application		
Created By:	Wong Wei Jun	Last Updated By:	Wong Wei Jun
Date Created:	23/02/2017	Date Last Updated:	13/04/2017

Actor:	User
Description:	Application is started from User Dashboard
Preconditions:	Application must be installed and downloaded to mobile device
Postconditions:	Application successfully start / fail to start
Priority:	High
Frequency of Use:	Twice a day
Flow of Events:	1) User triggers application to start 2) Application runs and proceed to loading screen
Alternative Flows:	
Exceptions:	User failed to run the application.(1.0.EX.1)
Includes:	NIL
Special Requirements:	1) The application should not hang/stop loading and should be responsive. 2) After application reset, full functionality must be restored
Assumptions:	1) User wants to use the app
Notes and Issues:	NIL

Use Case ID:	2.0		
Use Case Name:	Login		
Created By:	Koh Ji Peng	Last Updated By:	Koh Ji Peng
Date Created:	23/02/2017	Date Last Updated:	13/04/2017

Actor:	User,Database, GPS Satellite and API
Description:	Executes login procedure to establish connection of account and the server
Preconditions:	<ol style="list-style-type: none"> 1) Application must be started. 2) The user has either a Facebook or email account.
Postconditions:	<ul style="list-style-type: none"> > User logged in and moved to the main page > Steps taken and distance walked are retrieved > Current location and relevant information are retrieved > Personal information are retrieved
Priority:	High
Frequency of Use:	Twice a day
Flow of Events:	<ol style="list-style-type: none"> 1) Upon execution of walkera application, user will be directed to the login page. 2) User clicks on either "google" or "facebook" account to login. 3) Once relevant login information is validated, the account is logged into the Application. 4) The application will require the user to enter his/her personal information (weight,height,age,gender). 5) User click "save" to save their personal information 6) User's personal information will be saved in the application back-end database.
Alternative Flows:	<ol style="list-style-type: none"> 1) User has already logged in with either "facebook" or email account before and information has been cached in the phone storage. 2) The application validates the login information and proceed to main page.

	3) Application back-end database retrieves all required user information (BMI, age, height, weight,gender, traffic information, weather information, GPS location, transport information,steps required,steps taken)
Exceptions:	<p>Login error due to user not being able to login to their email or facebook account.(2.0.EX.1)</p> <p>Back-end application failed to process/retrieve the relevant data.(2.0.EX.2)</p> <p>GPS failed to show the location.(2.0.EX.3)</p>
Includes:	NIL
Special Requirements:	The application must be able to retrieve/compute values and data within 20 seconds.
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	3.0		
Use Case Name:	Plan Route		
Created By:	Koh Ji Peng	Last Updated By:	Koh Ji Peng
Date Created:	23/2/2017	Date Last Updated:	13/04/2017

Actor:	User, Database and API
Description:	<p>Application enters the “Plan Route” page, where they can plan a route to their desired location.</p> <p>Also, the weather, transport and traffic information retrieved from the respective APIs will help guide the user to their destination while avoiding heavy traffic and bad weather conditions.</p>
Preconditions:	User must slide to the “Plan Route” page from the “My Progress” page
Postconditions:	<p>> User have started their route and have proceeded with their walk.</p> <p>>User slides to a different page</p>
Priority:	High
Frequency of Use:	Twice a Day
Flow of Events:	<ol style="list-style-type: none"> 1) User may attempt to schedule the route planning to be forward scheduled or current time and location. 2) User selects “plan route”. 3) The application will take the weather, traffic information and the steps required in consideration to compute suitable routing path for the user. 4) Application displays best possible route path for user. 5) Application will concurrently periodically update the route depending on real time weather and traffic conditions.
Alternative Flows:	1a) User can select desired location to walk from one location to another location.

Exceptions:	The application is unable to get a route from API(3.0.EX 1) The application is unable to retrieve the location from GPS (3.0.EX 2)
Includes:	NIL
Special Requirements:	NIL
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	4.0		
Use Case Name:	View User Information		
Created By:	Koh Ji Peng	Last Updated By:	Mcvie Chua
Date Created:	23/02/2017	Date Last Updated:	14/03/2017

Actor:	User, Database
Description:	User slides to “My Info” page and able to view their own personal information and recent walking trends.
Preconditions:	User must slide to the “My Info” page from “My Progress” page.
Postconditions:	> User slides to another page
Priority:	medium
Frequency of Use:	Once a day
Flow of Events:	<ol style="list-style-type: none"> 1) The user enters the “My Info” page. 2) The page shows all relevant personal information required by the application. (Height, Weight, Age, Gender, BMI, Steps Required)
Alternative Flows:	NIL
Exceptions:	The application is unable to display information on the page (4.0 EX 1)
Includes:	NIL
Special Requirements:	Application should display the updated information and minimal error.
Assumptions:	NIL
Notes and Issues:	NIL

Use Case ID:	5.0		
Use Case Name:	Logout		
Created By:	Wong Wei Jun	Last Updated By:	Mcvie Chua
Date Created:	24/02/2017	Date Last Updated:	13/04/2017

Actor:	User, Database
Description:	User is allowed to log out his account at any point of time when using the application
Preconditions:	Account successfully logged in to the application
Postconditions:	Account successfully logged out and moves to the login page of the application.
Priority:	Low
Frequency of Use:	Once a year
Flow of Events:	<ol style="list-style-type: none"> 1) User selects to "Logout". 2) All relevant information is to be updated and stored on the database. (Personal Information, Steps walked) 3) Account is logged out of the application. 4) User is brought to the "Login" page waiting for further actions (Leave the app / Login to a/another valid account)
Alternative Flows:	
Exceptions:	NIL
Includes:	NIL
Special Requirements:	Application is able to logout the user account less than 5 seconds.

Assumptions:	NIL
Notes and Issues:	NIL