

## **Foreword**

This document is aimed to provide instructions and helps to developers of Project-Seppia.

Date: **2016.09.05**

# 1 Team

## 1.1 Team Composition

Name	Job
<i>Yangyang Liu</i>	<i>Android</i>
<i>David</i> (Tianjin) Xu	<i>Server, Backend (Person in charge)</i>
<i>Qi Zhang</i>	<i>Android (Person in charge)</i>
<i>Marc Müller</i>	<i>Web</i>
<i>Guangde Zhang</i>	<i>Android</i>
<i>Lance</i>	<i>Server, Backend</i>
<i>Orange</i>	<i>Android</i>
<i>Siyun Shen</i>	<i>UI, Logo, Icon Design</i>

## 2 Functionality

### 2.1 System Settings

- Font: Arial.
- Dual Language: Because the app should be able to switch between German and English, the Text in UIs should be replaced by dynamic Keys.
- UI basic color tone: **RGB 255 128 0**

### 2.2 Sign Up

- Password: 1. At least 8 digits. 2. Must have English letters and numbers (both). 3. Case sensitive(Upper and lower cases are different)
- User attributes: **Required:** Name, Email (with verify) and IMEI code **Optional:** Age, Gender, and Region.
- Name is used as alias. 1 Email address corresponds to 1 name.

- IMEI code is not provided by the user, android has function to extract these information. (IMEI on GSM, MEID for CDMA)
- Name should be at least 5 characters, only allows number and English letter, case sensitive. One letter (Upper/lower cases) is mandatory but number is not. Name should not be duplicated.

## 3 Phases

### 3.1 Phase I

#### 3.1.1 Target

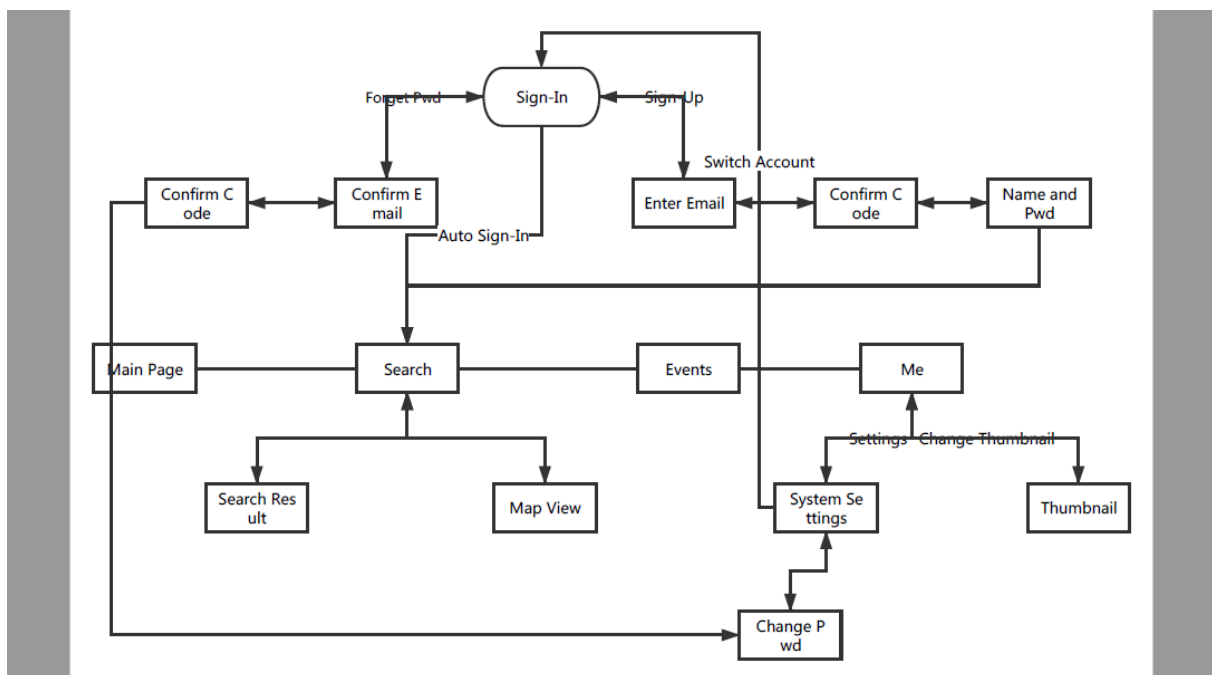
The target of Phase I is to finish the basic functions of our Android and Web end programs.

#### 3.1.2 Details

Android: Finish layout design of Login-, Register-, Search- and Profile-Page and test functionality on Android-Studio emulator or real Android devices.

Web: Android equivalent version.

#### 3.1.3 Page-Level



### 3.1.4 Pages

#### 3.1.4.1 Sign-In

The image shows a mobile app interface for a sign-in page. At the top, there is a status bar with 'PROTO.IO', '22:57', and '90%' battery. Below the status bar is a large rectangular box labeled 'Logo'. Underneath the logo are two input fields: 'Email' and 'Password'. To the left of the 'Email' field is an envelope icon, and to the left of the 'Password' field is a lock icon. Below the 'Password' field is a checkbox labeled 'Remember my password'. At the bottom of the screen are three red buttons: 'Sign In', 'Sign Up', and 'Forget Password'. Two callout boxes provide additional information: one points to the 'Email' and 'Password' fields with the text 'Watermarks, should be invisible when user starts to tap in anything', and another points to the 'Remember my password' checkbox with the text 'CheckBox'.

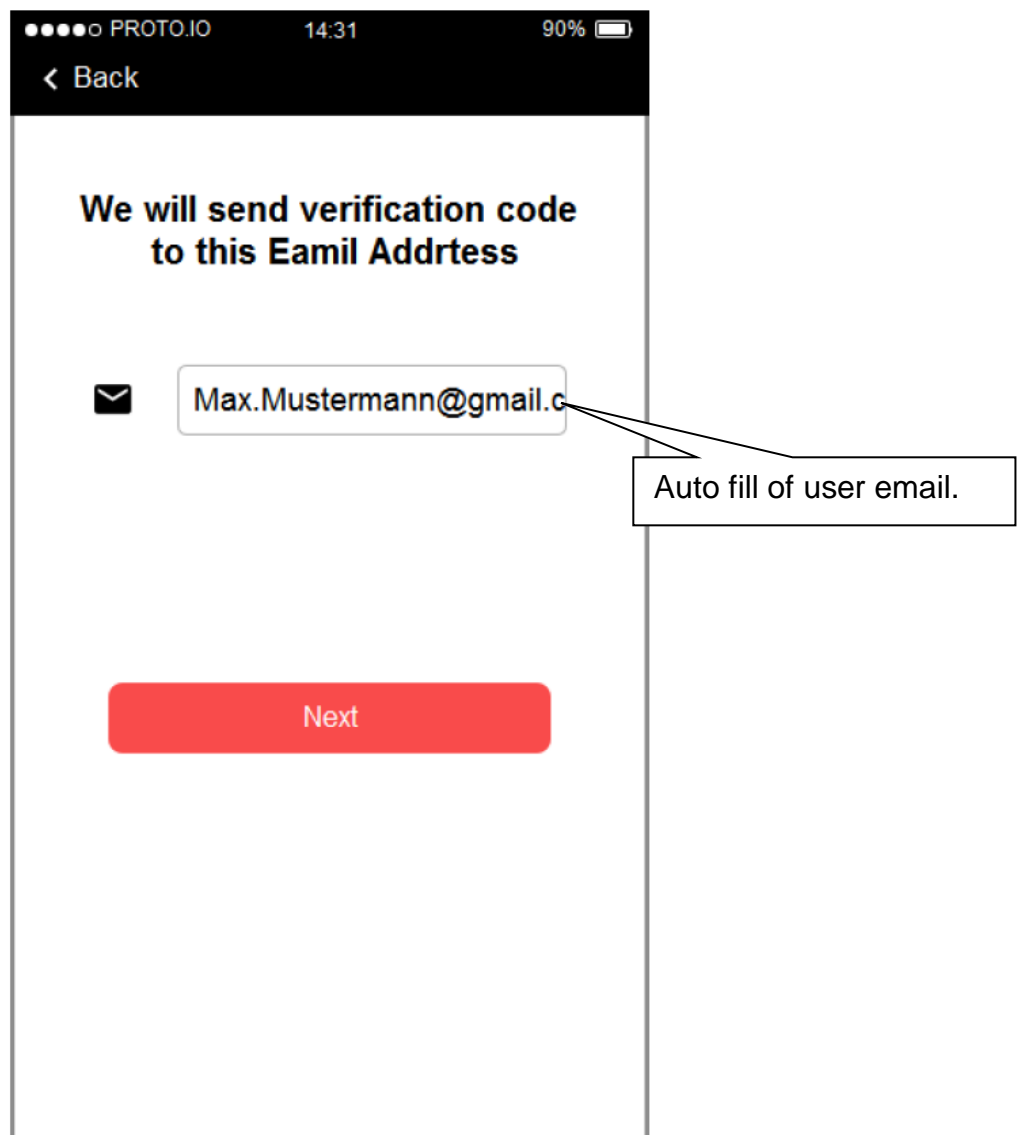
3 Buttons: Sign-In, Sign-Up, Forget Password

Navigation: Sign in button link to Page Search, Sign up button link to Page Sign-Up

Forget Password link to Page Pwd-Change.

CheckBox: When checked, after successfully Signed In, the user will automatically sign in next time.

### 3.1.4.2 Confirm Email



Button: Next

Functions: Sign-In Button will create a User-Account, with the information above.

### 3.1.4.3 Find Pwd

The image shows a mobile application screen for password recovery. At the top, a black status bar displays 'PROTO.IO', the time '13:55', and '90%' battery. Below this is a black header bar with a white '< Back' button. The main content area has a white background with the text 'Verification code has been sent, please enter the code' in bold black font. Below the text are two input fields: 'Email' with an envelope icon and 'Verification Code' with a '#' icon. A blue link 'Resend code' is positioned below the 'Verification Code' field. A red 'Send' button is centered below the input fields. Four callout boxes provide additional information: 'Enter Verification Code' points to the 'Verification Code' field; 'Here should the user Email also be auto filled' points to the 'Email' field; 'User can choose to resend code, it has a 60sec cool down' points to the 'Resend code' link; and 'Proceed to Change Pwd' points to the 'Send' button.

Verification code has been sent,  
please enter the code

Email

Verification Code

[Resend code](#)

Send

Enter Verification Code

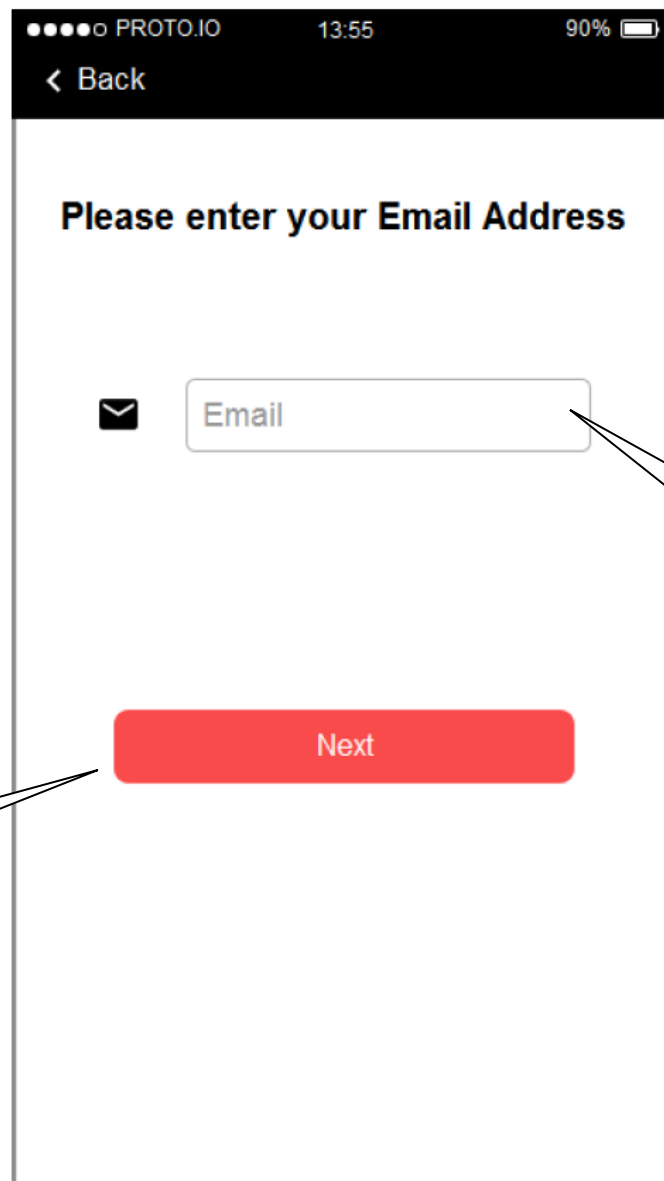
User can choose to resend code, it has a 60sec cool down

Here should the user Email also be auto filled

Proceed to Change Pwd

Button: Send

#### 3.1.4.4 Enter Email



The image shows a mobile application interface for entering an email address. At the top, a black status bar displays 'PROTO.IO', the time '13:55', and a 90% battery level. Below this is a black header bar with a white '< Back' button. The main content area has a light gray background and features the text 'Please enter your Email Address' in bold black font. Below the text is a white email input field with a gray envelope icon to its left. A red button labeled 'Next' is positioned below the input field. Two callout boxes with lines pointing to the input field and the 'Next' button provide instructions.

PROTO.IO 13:55 90%

< Back

**Please enter your Email Address**

✉ Email

Next

Proceed to Confirm  
Code.

User enter their  
email for verification  
here.



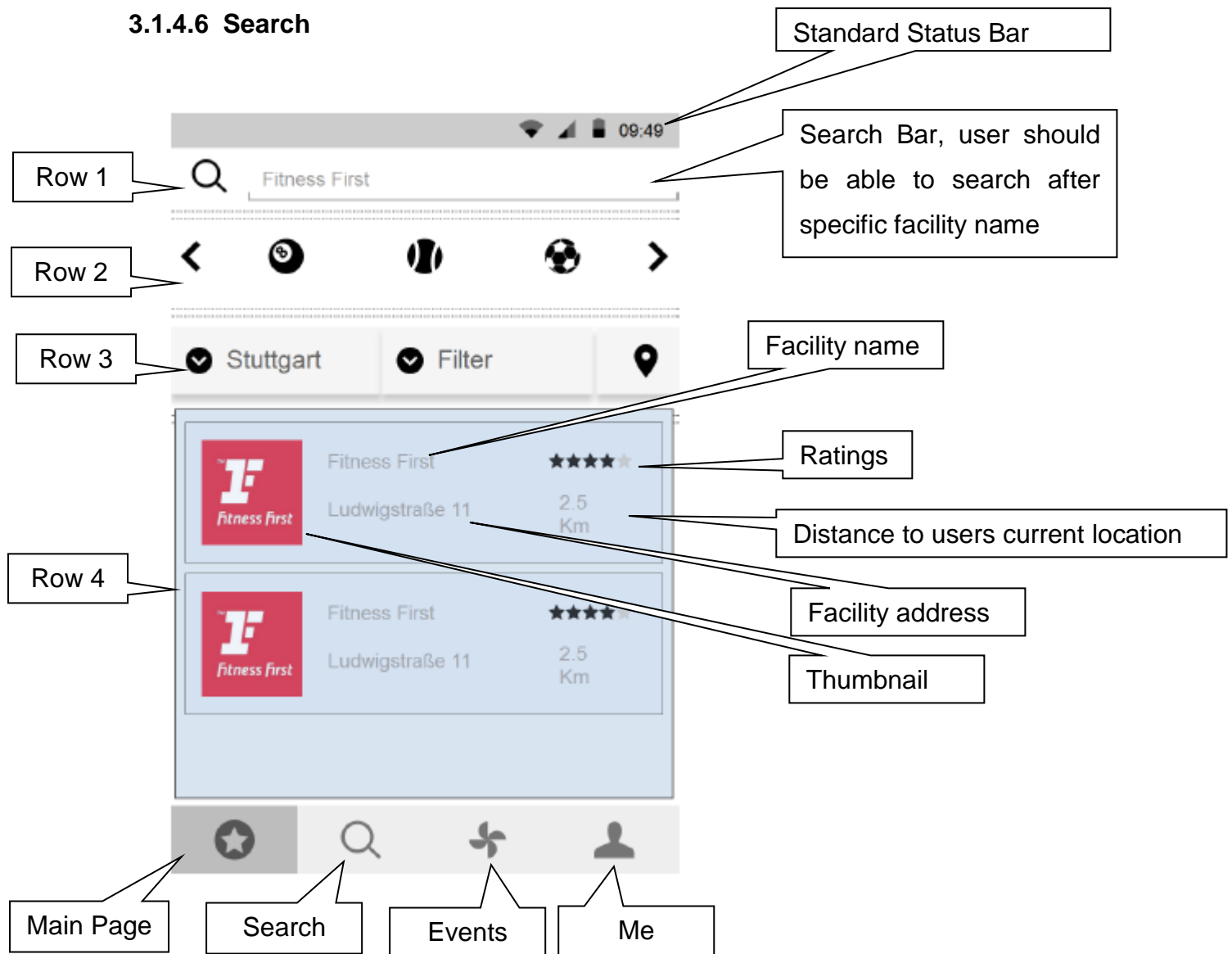
### 3.1.4.5 Name and Pwd

The screenshot shows a mobile application interface for registration. At the top, there is a black status bar with white text indicating signal strength, the text 'PROTO.IO', the time '14:39', and a battery level of '90%'. Below the status bar is a black navigation bar with a white back arrow and the text '< Back'. The main content area has a white background with the text 'Please pick a name and your password' in bold. Below this text are three input fields, each preceded by an icon: a person icon for 'Name', a padlock icon for 'Password', and another padlock icon for 'Confirm Password'. The text inside the input fields is in a light blue color. At the bottom of the form is a red button with the text 'Send' in white.

User choose a costumed Name for themselves

Proceed to Search.

### 3.1.4.6 Search



Row 1: Search Bar, user can search after facility name, after pressing enter or pressing the "Search Icon" the search request is sent to Web Service.

Row 2: Set current sport type, only 1 sport type can be selected currently. The selected sport type should be placed in the center of the 3 sports icon and the background of this selected sport type should be grey.

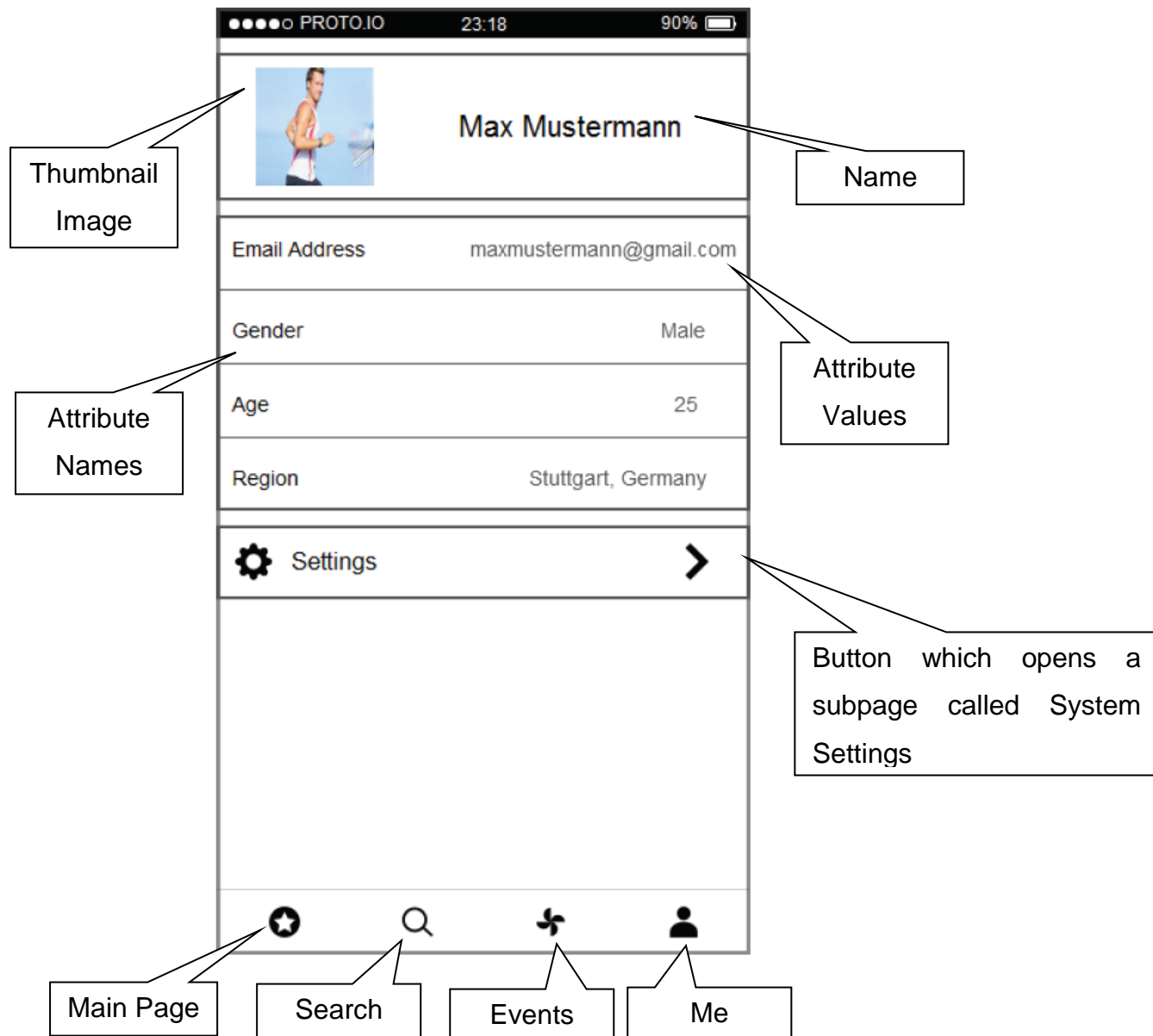
Row 3: First: drop down box of cities, the default city should be based on user current location. After user clicked on drop down, a list of cities should be shown. These cities should be sorted after alphabetic order.

Second: drop down box of **sequence** type.(I have made a mistake here, instead of filter it should be **Sequence/排序**) The default should be based on location which means the nearest facility should be on the top of the list. All filter type include: a. location b. cost c. ratings

Third: Open google maps and show users' current location and all the facilities in 20 km radius.

Row 4: Scroll View, shows the information about facilities. User should be able to scroll up/down to see further search result.

### 3.1.4.7 Me



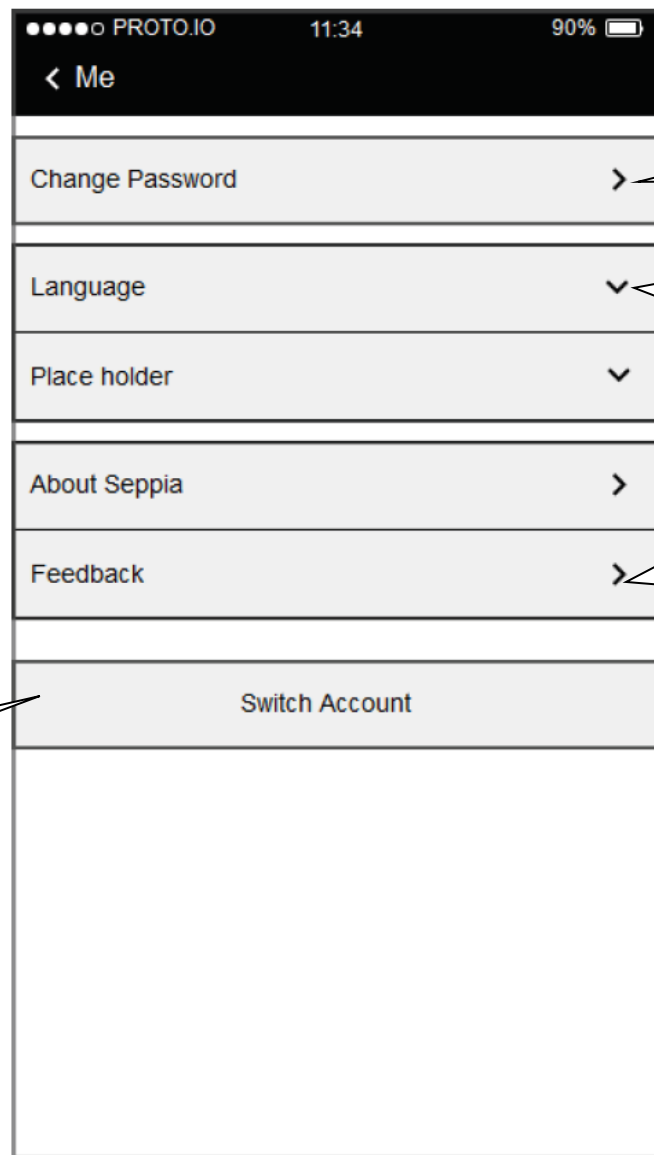
Thumbnail Image: when user taps the Thumbnail Image, a subpage will be open and the thumbnail image is enlarged to full screen. User can then choose to change the Thumbnail Image in this subpage.

Name of the user cannot be edited, that means user only has one chance to choose the right name.

Attribute values should be edited at users' will, this means user can edit this value whenever they want. And when the user left this "Me" Page, any change of the attribute values should be uploaded to the server.

The right arrow button above will switch to a subpage called system settings. (Actual demonstration of this button can check the App Wechat in page "Me/我")

### 3.1.4.8 System Settings



Link to Change  
Pwd page

Dropdown box, user can  
choose the UI language  
here

Link to About Seppia  
Page, a brief explain of  
Seppia

Link to Feedback Page,  
user can send their  
complaints, potential  
improvements and so  
on

Switch Account, link  
back to Sign-In Page

### 3.1.4.9 Change Pwd

The screenshot shows a mobile application interface for changing a password. At the top, the status bar displays 'PROTO.IO', the time '11:34', and '90%' battery. The app's navigation bar has a black background with a white '< Back' button on the left and a red 'Done' button on the right. Below the navigation bar, there are three input fields with light gray backgrounds and dark gray borders. The first field is labeled 'Email' and contains the text 'Max.Mustermann@gmail.com'. The second field is labeled 'Pwd' and contains eight 'x' characters. The third field is labeled 'Confirm Pwd' and also contains eight 'x' characters. A large white rectangular area is positioned below these fields. Two callout boxes are present: one on the left pointing to the 'Email' field with the text 'Email Address here are fixed, auto filled, which user cannot change', and one on the right pointing to the 'Done' button with the text 'This Button will update the users new Pwd.'

Email	Max.Mustermann@gmail.com
Pwd	xxxxxxxx
Confirm Pwd	xxxxxxxx

## **4 Rules About Github**

- Please double check the material you are gonna upload, all docs, codes, comments and other project related materials should be in English.