



Introduction

ESEMKA GYM is one of the most popular gyms in Surabaya. Its membership is consistently on the rise month after month. As the owner strives to provide an exceptional fitness experience, they have recognised the need for a mobile app to streamline their operational activities.

The mobile app will serve as a digital tool that allows the business owner to manage memberships, monitor daily check-ins and check-outs to track how many people visit their gym every day, and keep track of the room capacity performance.

Instructions to the Competitor

Connecting to API

1. Open Command Prompt (CMD) in the location where "esemka-gym.jar" is at.
2. Run `"java -jar esimka-gym.jar"`
3. API listening at port :8081
4. Try <http://localhost:8081/api/ping> , A "pong" response indicates the API is running.
5. API Documentation is available at <http://localhost:8081/swagger-ui/>
6. To access the API from the mobile application, you could use "http://10.0.2.2:8081/.."

Pre-populated data

Email	Password	User type
admin@gmail.com	admin	admin
ada.lovelace@gmail.com	ada.lovelace	active member
mark.hopper@gmail.com	mark.hopper	inactive member
margaret.hamilton@gmail.com	margaret.hamilton	pending approval

Style guide

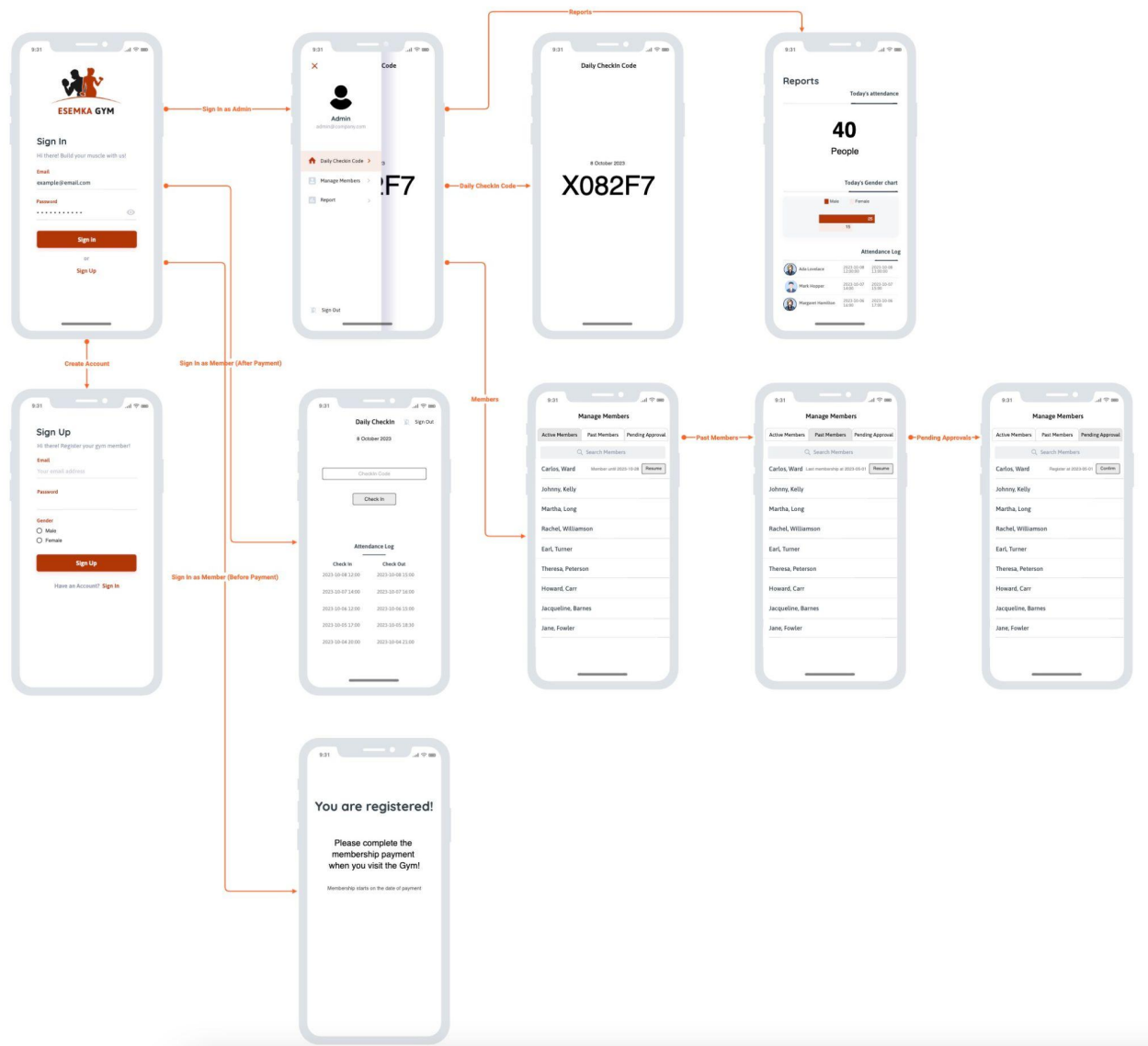
There should be consistency in using the provided style guide throughout development.

Colors

#B33805

#F8ECE7

Wireframe Overview



The mobile app will have 6 different user interfaces that include:

1. Sign In

This will be the first user interface (UI) for users when they haven't signed in.

2. Sign Up

New members will use this page to register themselves as gym members in the system. Admin will then be able to confirm their membership from the Admin page.

3. Daily CheckIn (For Member)

When visiting the Gym, each Member must enter a unique code given by the staff at the entrance door to record their attendance.

4. Daily CheckIn Code (Admin)

This page allows the Admin to show the code for Members when they visit the gym. A unique checkin code will automatically be generated daily by the API.

5. Manage Members (Admin)

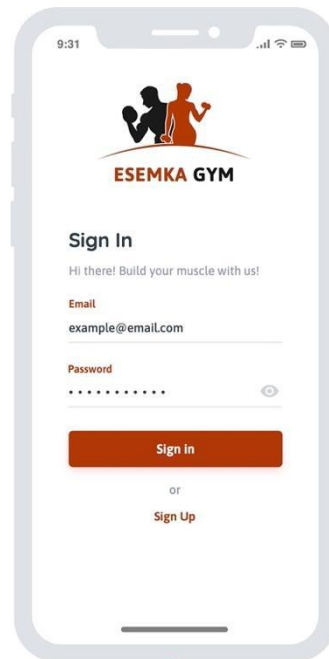
This page allows the Admin to manage members. It includes managing Active Members, Past Members, and Pending Approval registrations.

6. Report (Admin)

Report UI is used by Admin to track 3 things: Today's attendance number, Today's Gender chart and Attendance Log.

Further details and requirements for each user interface are explained below.

1. Sign In



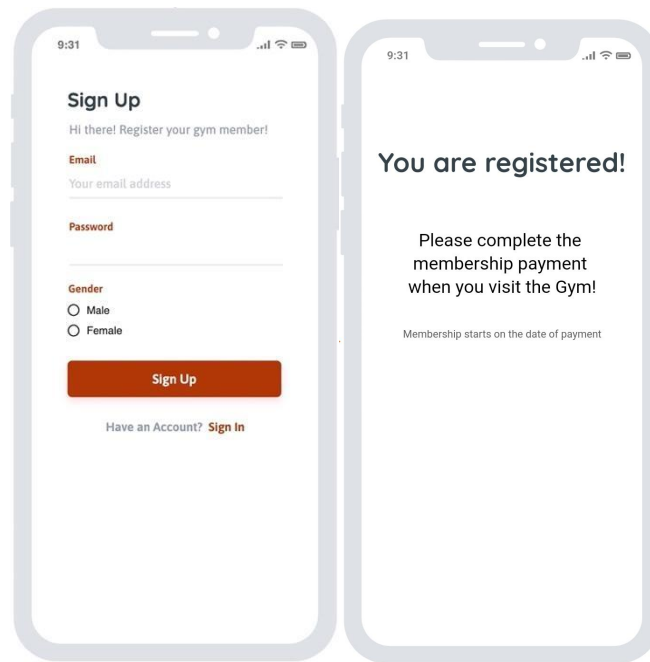
Sign In User Interface includes ESEMKA GYM logo, an email field, a password field, a sign in button and a sign up button.

When the user taps on the “Sign In” button, the app will authenticate the credentials to API, then will show the interface according to the user has access to:

- If Admin, then will go to **Daily CheckIn Code [Admin]**
- If Members, then will go to **Daily Checkin [For Member]**

When the user taps on the “Sign Up” button, it leads the user to the “Sign Up” page.

2. Sign Up



Sign Up User Interface is used to register a new Member. It includes an email text field, a password field, two radio buttons for gender, and two buttons for Sign Up and Sign In.

When the user taps on the "Sign Up" button, it validates all the mandatory fields. It will show an error message if any of the mandatory fields are left empty. Otherwise, new member registration proceeds. New Member registration requires a payment that will be done offline when the person visits the gym.

After a successful sign up, a message "Registration completes! Enter your email and password to login" appears and the user will be redirected to the login page.

When the user signed in and hasn't done the payment, the "You are registered" page is shown. If the user has done the payment, the "Daily Checkin (For member)" page is displayed.

When the user taps on the "Sign In" button, it brings the user back to the Sign In page.

3. Daily CheckIn (For Member)

The wireframe shows a mobile app interface for 'Daily CheckIn'. At the top, there's a status bar with the time '9:31' and signal/battery icons. Below that, the title 'Daily CheckIn' is centered, with a 'Sign Out' button to its right. The date '8 October 2023' is displayed below the title. A text input field labeled 'Checkin Code' is positioned below the date. Underneath the input field is a 'Check In' button. Below the button is a section titled 'Attendance Log'. This section contains a table with two columns: 'Check In' and 'Check Out'. The table lists five rows of attendance data, each with a date and time for both check-in and check-out.

Check In	Check Out
2023-10-08 12:00	2023-10-08 15:00
2023-10-07 14:00	2023-10-07 16:00
2023-10-06 12:00	2023-10-06 15:00
2023-10-05 17:00	2023-10-05 18:30
2023-10-04 20:00	2023-10-04 21:00

Once the member completes the offline payment and admin confirms their membership, the member will be able to Sign In and see this page.

This will be the only page the member can see. It is used to enter the daily unique check in code when they visit the gym and to see their attendance log.

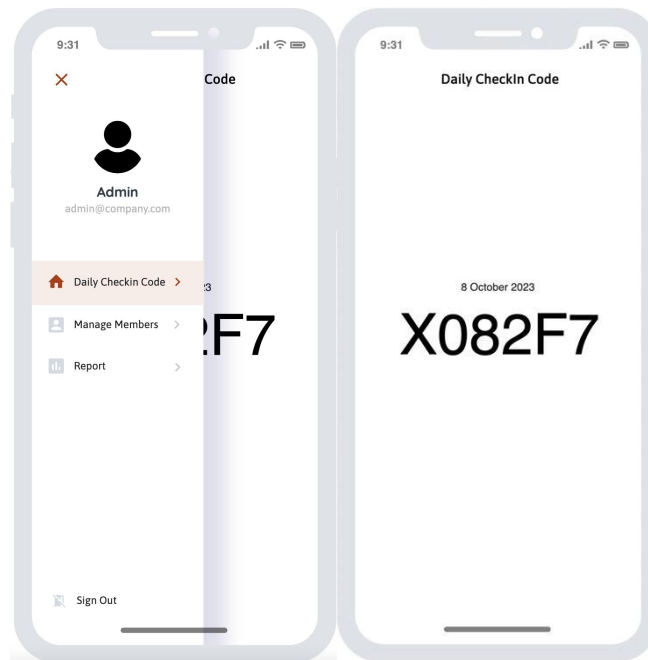
As shown in the wireframe above, the UI includes a current date label, a text field for entering the unique code, a “Check In” button, and a list of checkin and checkout of the person’s attendance log.

When checked in, the text field and the check in button will disappear, and a check out button will appear. An error message will appear if the user entered the wrong check in code.

Attendance log lists all of the member’s logs. It is automatically refreshed when checking and checking out.

If membership ended, the user won’t be able to input the code and check in anymore. Those two fields will be disabled. A text message will appear to let them know their membership has ended. (Message: “Your membership has ended at [date], resume your membership when visiting the gym next time”). The user is still able to view their history attendance log.

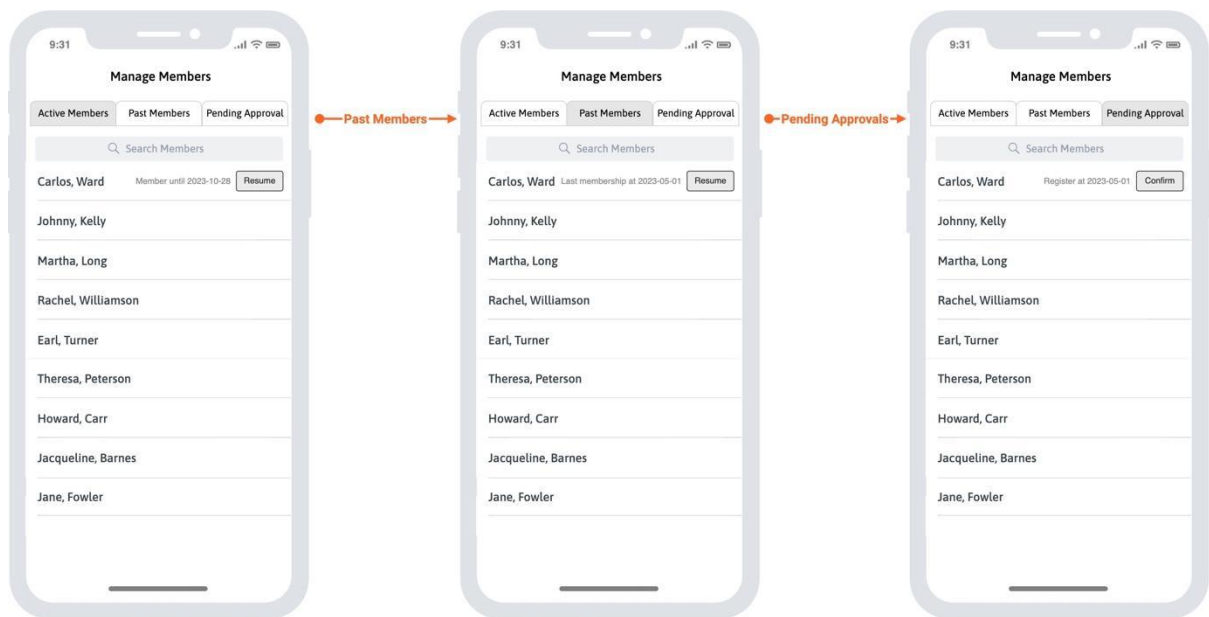
4. Daily CheckIn Code (Admin)



When logged in as Admin, the first and default interface the user will see is the “Daily CheckIn Code” page. Four menus are available from the navigation on the left: “Daily CheckIn Code”, “Manage Members”, “Report” and “Sign Out”.

The “Daily CheckIn Code” page shows the unique checkin code that will be used for Members when visiting the gym. This unique code is generated automatically by the API. Additionally, a small label above the code is shown in this interface to indicate the current date with format as shown in the wireframe above.

5. Manage Members



“Manage Members” page is used to manage all types of Members including active members, past members, and the members that require approval.

a) Active Members

This page lists all the active members of ESEMKA GYM. A “Resume” button for each person's record will appear since 7 days before the person’s membership ends. This will allow the admin to resume the user’s membership for another 1 month when the admin receives the payment (membership payment is done offline when a member visits the gym).

b) Past Members

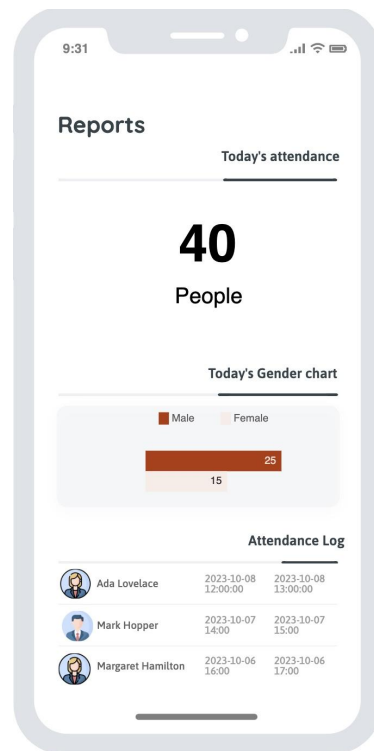
This page lists all members with their membership period ended. A “Resume” button appears next to each person's record to allow the admin to resume their membership for another 1 month when the admin receives the payment (membership payment is done offline when a member visits the gym).

c) Pending Approval

This page lists all new member registrations. A “Confirm” button appears next to each person's record to allow the admin to confirm their membership when the person visits the gym for the first time to complete the offline membership payment.

The three pages above include the search functionality that allows the Admin to search members by their name.

6. Report



Lastly, a report page is provided for the Admin to track:

a) Today's attendance

This section of the report shows the total number of people who visited the Gym on that day.

b) Today's Gender chart

A Bar chart is used to show today's attendance grouped by gender: Male and Female.

c) Attendance Log

This section lists all the today's attendance logs from Members. Name and check in date are displayed on the list. Additionally, an icon is displayed on the first column in the list to indicate the person's gender.