Technical Document – Annexure I
of
Fitness Studio Booking App

Contents

Annexure I

1. Project Overview

✓ **Business Need**

The client's business needs to design and develop a fitness studio app enabling users to seamlessly book and pay for cycling or yoga classes online. The app features a comprehensive list of classes, instructors, and available classes' slots, along with search functionality based on time, and instructors.

✓ **How the platform would help in achieving the business need**

The proposed application is designed to meet the business need of providing a comprehensive platform for users to class bookings and online payments, offering targeted promotions to drive new user sign-ups and app downloads.

✓ **Stakeholders**

Actor	Task
End Users	One who would be registering and booking the classes by paying the booking amount on the application.
Admin	Admin will manage all the application content form its panel.

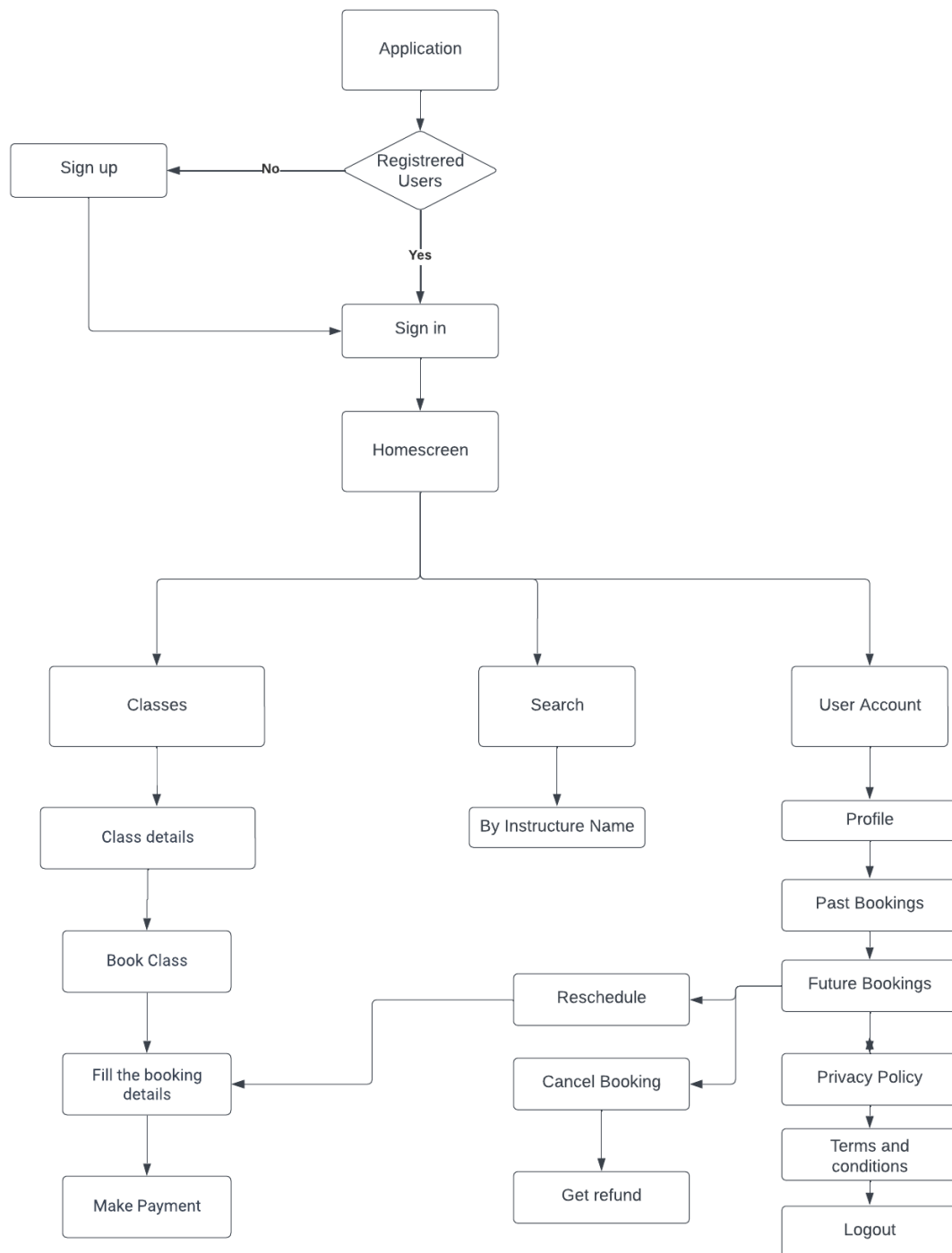✓ **Project Scope and Development Deliverables**

This project scope comprises of the following components to deliver:

- Design and Development of Mobile Application for End users (iOS & Android)
- Development and Integration of API
- Development of Admin Web Panel

2. Technologies

Development Phases		Tools & Technology
Requirement Gathering and Analysis	Proposal Drafting, SRS Writing and User Flow Diagram	Microsoft Office Word 2019 / Microsoft Office Presentation 2019 / Microsoft Office Vision 2019
	Wire Framing	Axure / UiZard
Development	Application	Flutter / React Native
	Web Backend	Node.js / PHP (Laravel)
	Database	MongoDB / MySql
Version/s Supported	Android	9.0 and above
	iOS	13.0 and above
	Browser	Google Chrome, Safari, Mozilla Firefox
Quality Assurance & Testing	Test Cases	MS Office Excel 2019
	Testing	Manual

3. User Flow Diagram

4. Features and Scope of Work

4.1. End User Flow of Mobile App

➢ **Splash Screen**

- This would be launch screen of the application displaying the brand Logo and Name.

➢ **Authentication**

- **Sign In**
  - The Users will be able to login into the application using the below details:
    - E-mail ID or Mobile Number or social media.
    - Password or OTP

- **Forgot Password**
  - Clicking on this user would be redirected to the Forgot Password screen where user need to enter the below details:-
    - Mobile Number (To receive the OTP for verification).
    - OTP
  - After the OTP is verified user would be asked to mention below details in order to change the password:-
    - New Password
    - Confirm New Password

- **Sign Up / Register**
  - Users will be able to register using below details: -
    - First Name & Last Name
    - E-Mail ID & Mobile Number
    - Password
    - Confirm Password
    - Checkbox for Terms and Conditions

➢ **Profile Setup Page**

- Users can create their profile by adding their basic details into the application such as-
  - o Name
  - o Image
  - o Email address
  - o Phone Number
  - o Address
- User can select the "Later" option for creating the profile.

➢ **Home Screen**

- Home screen will display the relevant information like upcoming classes, and promotions.
- The home screen displaying below sections or details:-
  - o Logo of the Business.
  - o Carousel Images managed by the admin.
  - o List of classes by their instructor's details and timings.
  - o Search & Filter
  - o Notifications

➢ **Search and Filter**

- Users can browse through the class schedule to view available sessions.
- Users will be able to search the classes by entering the instructor name

➢ **Class Details**

- Clicking on a specific class, users will redirect to its detail page.
- The classes detail page provided the information such as -
  - o Class overview
  - o Instructor name
  - o Class timings
  - o location
  - o Status - Available slots or No Available Slots
  - o Book Now (Button)
- Users can book the classes on the platform by clicking the book now button.

➢ **Book a Class**

- Users can select a class and book a slot based on their preferred time and instructors.

- User can select payment mode and pay for the same.

- User will pay the amount in advance by using the in-app payment system or integrated payment gateway.

- Users can also cancel or reschedule their bookings.

- **Cancel/Reschedule Booking**

  o Users can cancel or reschedule the booking.

  o If user cancel the booking, they will get the refund amount for the same.

  o In case of reschedule, users will redirect to the booking process again and amount will be carry forward this time so they don't have to pay again.

➢ **Notifications**

- This icon would be displayed on the top-left side of the application.

- This section would display the list of all the notifications that have been received by the user.

- The notifications would be In-App as well as Push-Notifications

- The user would receive notifications for below scenario:-

  o When the class booking is confirmed.

  o Reminder for the booked classes.

  o Any notification sent by admin.

➢ **My Account**

- **My Bookings**

  o User will be able to view the past and scheduled bookings on the application along with class's details.

  o **Past Bookings**

    - The section allow the users to view at the past booking.

  o **Scheduled Bookings**

- Users can view all the details of upcoming bookings with all the details along with date & time.
- User will have option to cancel the booking.
- User can select another timing for the class and book the same.

- **My Profile**
  - Users would be able to view and update the below details:-
    - Name
    - Image
    - Address
    - Phone number
    - Email address
  - Delete Account
  - Users will be able to access the application policies and company details by this section-
  - Privacy policy
  - Refund Policy
  - Terms and conditions
  - Contact us
  - About us

- **Sign Out**
  - Users will be logout form the application by this section

4.2. Administrative Panel

The back end of the application will be power packed with an administrative panel to manage the updates of data at the front as well as back end.

➢ **Login**

- o Admin will be able to Login into the admin web panel using their login credentials. The admin will use the following credentials such as:
  - ▪ Email id
  - ▪ Password

➢ **User Management**

- o Admin will be able to view the list of all application users in this section.
- o Admin will be able to activate/deactivate the account from the admin panel.

➢ **Instructors Management**

- o Admin can create the instructors by this section
- o Admin will be able to manage the instructors from the backend.

➢ **Classes Management**

- o Admin will be able to add the classes by this section of the platform.
- o Admin will be able to remove or edit any class details.
  - ▪ **Add Class**
    - • Class overview
    - • Class days
    - • Timing/session
    - • Slots
    - • Instructor Name
    - • Status - available or out of stock

➢ **Bookings/Transactions Management**

- o Admin can view the booking on the platform along with details of the users.
- o Admin can share the refund status to the user once the amount has been transferred from the Admin side.

➢ **Content Management**

- o Admin will be able to manage Carousel Images for mobile

- o Admin will be able to update and add text for privacy policy

- o Admin will be able to update and add text for refund policy

- o Admin will be able to update and add text for About Us

- o Admin will be able to update and add text for Terms and Condition.
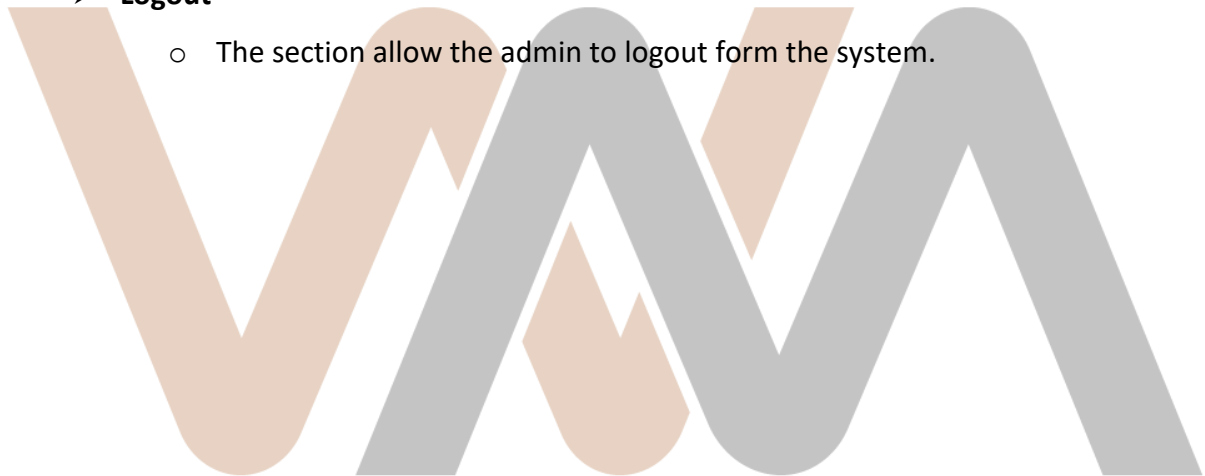
➢ **Notification Settings**

- o Admin will be able to add the notification content form this section of the platform.

- o Admin will be able to set the reminder for the users form this section.

➢ **Change Password**

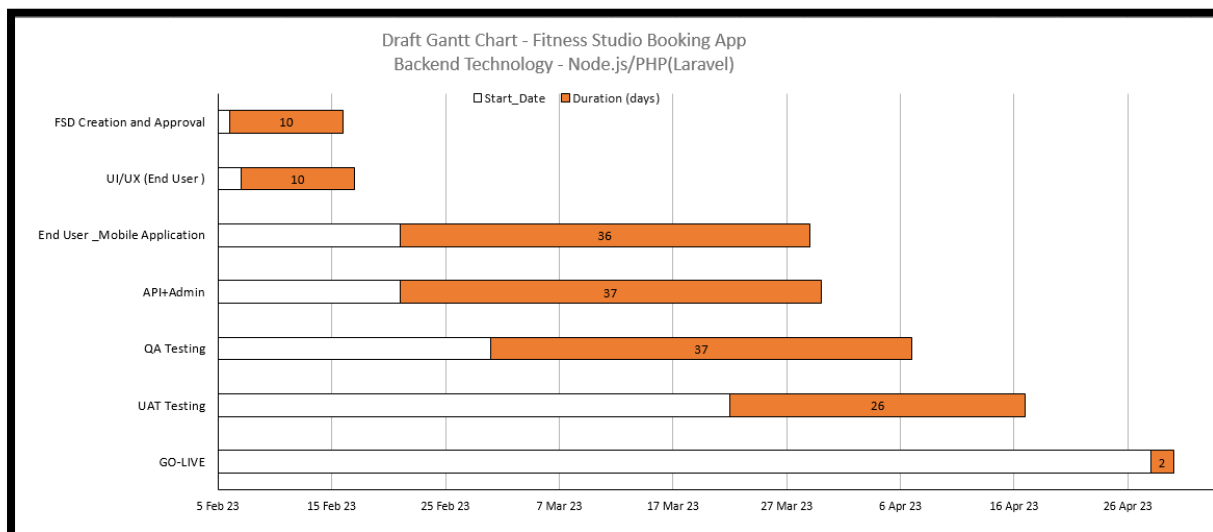- o Admin will be able to change the password by this section.

➢ **Logout**

- o The section allow the admin to logout form the system.

5. Draft Delivery Timeline and Gantt Chart

Planned Project Start Date	Scheduled Project Completion Date
Project Duration*	64
05-Feb-2024	4-May-2024

Draft Gantt Chart - Fitness Studio Booking App
Backend Technology - Node.js/PHP(Laravel)

*Project Duration would be met with a condition that the client responses are received on time.

6. Project Management

Before Project is awarded			
Business Analysis	**Project Management / Software Development**	**Business Development / Sales**	**Accounting**
1. Project Identify / Analysis 2. Develop one-page proposal overview 3. Create project management overview 4. **Yacouba** assigned to business manager GBM *GBM: Global Business Manager*	5. Project Evaluation by technical teams 6. Introduction call 1 on 1 interaction with **Yacouba** 7. System appropriate services determined 8. Requirements / System application architecting 9. Project needs analysis 10. Detailed proposal development 11. Cost and Time effort estimation	12. Introduction call 13. Deliverables discussed with **Yacouba** 14. Milestones discussed 15. Project success discussed 16. Future growth alignment 17. Detailed proposal provided 18. Payment instructions	19. Invoice submitted to **Yacouba** 20. Payment received 21. Payment confirmation sent to **Yacouba** 22. Account forwarded to PM

After Project is awarded			
Phase 1	**Phase 2**	**Phase 3**	**Phase 4**
1. Project manager assigned 2. Project initiation/ introduction call 3. Online project profile created 4. Weekly project meetings scheduled 5. Reporting formats explained to Yacouba	6. Design, Development / technical teams assigned 7. Project start 8. **Yacouba** feedback on weekly 9. Weekly project feedback session- 30 min 10. Reports available on-line 11. Online Rebel catering access of PM system application	12. Testing / Quality Assurance 13. Live server testing 14. Final bugs issues fixed 15. Campaign completed	16. Periodic project maintenance 17. Data backups 18. Web site – System application upgrades 19. On line marketing ** Optional

7. Proposed Team of Project

The proposed team to achieve the deliverables in a time span of 17 Business Weeks comprising of 40 hrs./week is as follows

Designation	Availability
Project Manager	Part Time
Project Expert	Part Time
Designers	Full Time
Developers	Full Time
Quality Analyst	Full Time

IN WITNESS WHEREOF, both parties here have to agree the finalized scope for this project as of the date.

For: Yacouba

Signature:

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For: WebMobril Inc.

Signature:

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