

# Software Requirements Specification v2

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Client	Ikiminds

## Problem Statement:

- This app is intended for the parents to book child activities like origami, story telling, art and craft, etc for their children.
- This app aims to make children wellness and learning centres easily accessible for the parents.
- App aims to help the franchise to manage their centre bookings, payment confirmations and accounting.
- App is required to be easy to use and should run on both Android and iOS.
- App should allow the centre administrator to alter the details and schedules of the centres easily.
- App is required to be convenient and effortless in booking centres based on proximity to the chosen location.

## Users Profile:

### 1. Parents

- The target users of this app are the parents of the children in the age group of 3 - 8 years.
- The parents will use the app for booking slots for their children to engage in various recreational activities.
- The parent can also book halls for parties in the required time slots to hold some event for their children.
- The parents might not be computer literate which requires the app user interface to be simple and easy to use.

## **2. Franchise**

- The admins of the franchise of the wellness centres are end-users of the App.
- They will be able to see the bookings made by the parents for various activities and will have basic management permissions to update their availability as well as price of booking for the different activities.
- The admins might not be very comfortable with complicated systems and hence, we will provide them with an easy-to-use interface.
- The app is meant so that the franchise can reach out to a larger customer base.

# **Project Modules:**

## **Release 1 :**

### **1. User management Module**

#### **1) Registration Page**

- User story-As a user, I want the application to remember my preference and details
- Registration Page will have three fields:
  - *Email ID*

- *Password*
- *A field to Confirm Password*

The image shows a registration form with the following elements:

- At the top, two buttons: **LOGIN** and **SIGNUP**.
- An **Email ID** input field containing the text "Pranav.example@gmail.com".
- A **Password** input field containing the text "abcd1234", with a toggle icon (an eye) on the right.
- A **Confirm Password** input field containing the text "abcd1234", with a toggle icon (an eye) on the right.
- At the bottom, a **SUBMIT** button.

Snapshot of the **Registration Page**.

- After the parent enters the Email ID and Password, he/she will be redirected to a new page where the parent has to enter the **OTP** that is received on his/her Email ID that was entered during registration.
- User story- As a user, I want to make sure no one else uses my credentials
- The OTP will be valid for few minutes only and the user can request another OTP (after a certain time interval) in case the first one expires.

OTP will expire in 5 minutes

Enter OTP  
123456 |

SUBMIT

Request another OTP in 5 seconds.. RESEND OTP

Snapshot of the **OTP** page

- After OTP validation, the user will be logged in successfully and will be redirected to their profile screen where they can add further details.

## 2) Login Page

- The parent can login using their **Email ID** and **Password** with which they have created their account and they will be redirected to the profile page.
- User story -As a user i want to access other features

LOGIN

SIGNUP

Email ID

divij\_d

Password

\*\*\*\*\*

👁

Don't have an account? Create one easily.

LOGIN

### 3) Profile Page

- The Profile Page will contain the following details which the parents can edit :
  - Name of the Parent
  - Registered Mobile Number
  - Email ID
  - Preferred location of the user (can be updated)
- User story -As a user, I want to review my profile and details
- User story-As a user, i want to be able to edit my details

The screenshot shows a 'PROFILE' page with a purple header. Below the header, there are three light purple boxes containing parent information: 'Parent Name' (Divij), 'Registered number' (1234567890), and 'Email ID' (divij.d@students.iiit.ac.in). Each box has a small edit icon (pencil) to its right. Below these boxes, the text 'No child has been added' is displayed. At the bottom, there is a purple button with a white plus sign and the text '+ ADD CHILD'.

Snapshot of the **Profile** page.

- The page also contains a button to register the details of a child which will then be used by the system to handle bookings.
  - On clicking the button, a modal will open asking for the following details of the child:
    - Child Name
    - Date Of Birth
    - Gender
  - User story-As a user, I want to be able to give details about my children

### Add Details

Child Name  
Nikunj

Date of birth  
24/9/2021

Child Gender  
Not specified

+ ADD

- The Profile Page will contain the drop-down displaying the name of each child added by the parent. On clicking on the arrow, a dropdown will open showing additional information registered about the child which can then be edited.

## PROFILE

Parent Name  
Divij

Registered number  
1234567890

Email ID  
divij.d@students.iiit.ac.in

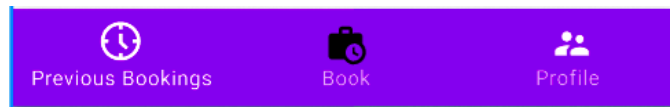
Child1

Child2

## 2. Booking Module

- To book the activities/parties, the user has to click on the **Book** option on the navigation bar at the bottom of the screen.

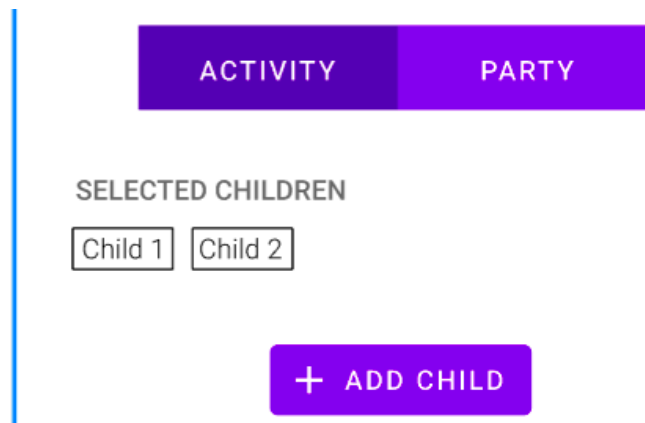
- User story - As a user, I want my experience on the application to be as seamless and convenient as possible



Snapshot of Navbar

## 1) Activity Booking Module

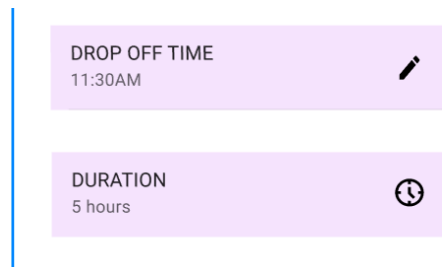
- The parent will be shown centers based on proximity to their chosen location. Information like name of the center, address, and distance from their chosen location will be shown to the parent at this point.
- They can choose any of these centers and further enter information as given below. (The screen shows SEE CENTRES button but it is being implemented in the way explained in text).
- The Parent has to select the children (registered earlier) for whom he/she wants to book the activities.
  - The parent can add a child for a particular booking by click on the add child button which will then present an option to add children from the already registered options.



- The Parent has to select the following details regarding the activity:
  - **Drop Off Time**  
This will be implemented by using a clock like used by alarm apps.

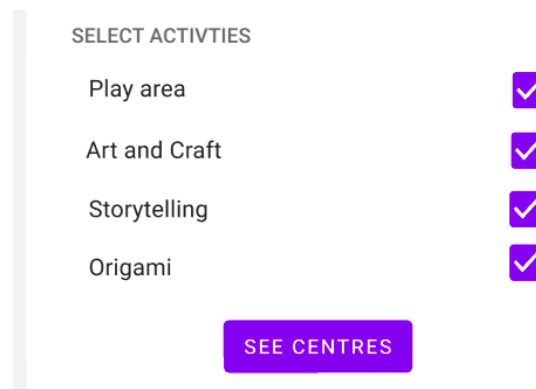


- User story - As a parent, I want the flexibility of choosing the drop off time
- **Duration Of Activity**  
The duration will only be in increments of an hour.
- User story-As a parent, I want to decide how long my children should be engaged for



A screenshot of a form with two purple input fields. The first field is labeled 'DROP OFF TIME' and contains the text '11:30AM' with a pencil icon to its right. The second field is labeled 'DURATION' and contains the text '5 hours' with a clock icon to its right.

- Finally, the parent has to select activities from a list of available activities. There will be a 'i' button which can be clicked to see further information about an activity. This information contains the detail of what that particular activity entails as well as the price that the parent will have to pay for it.



A screenshot of a form titled 'SELECT ACTIVITIES'. It contains a list of four activities, each with a checkbox to its right: 'Play area', 'Art and Craft', 'Storytelling', and 'Origami'. All four checkboxes are checked. Below the list is a purple button labeled 'SEE CENTRES'.

snapshot of activity booking

- The system will run a check on whether the selected time slot is available in the center and confirm availability to the parent if it is available. In case slots are not available, the app will show alternatives to the parent like different slots or other centers (The last feature has been told to be optional for us based on whether we want to implement it).
- User story-As a parent, I want to curate a fun experience for my children

## 2) Party Booking Module

- Similar to Activity Booking Module, the parent will be shown centers based on their proximity to the chosen location and the required information about the centers will also be shown to the parents.
- User story -As a parent, I want to make a well-informed decision about where I am sending my children
- User story - As a manager of the wellness center, i need to know information about how many people will be present beforehand
- The parent has to enter the following details after selecting a center :
  - Number of adults who are accompanying the children
  - Number of children who are attending the party
  - Start time for the Party
  - Duration of the Party

Details will be entered similar to how it has been done to activity booking.

The screenshot displays a party booking form with the following elements:

- Adults:** A field containing the number '7' with a pencil icon for editing.
- Children:** A field containing the number '10' with a pencil icon for editing.
- SELECT TIMINGS:** A section header for the timing options.
- Start Time:** A field containing '11:30AM' with a pencil icon for editing.
- DURATION:** A field containing '5 hours' with a clock icon for editing.
- SEE CENTRES:** A purple button at the bottom of the form.

snapshot of the party booking page

### 3. Payment Module

#### Bill Module :

- After the user selects the activities/hall for the party he/she will be redirected to the payment page.
- User story-As a user, I want to know how much it will cost me to make a booking
- The administrators of the franchise will be able to decide the amount of payment according to the chosen activities, number of child registered, time slots and the location of the activity according to their demand.
- User story - As a manager, I want to be able to change prices easily
- The app will fetch the payment data from the database which is updated by the administrators and the total bill is displayed on the payment page.
- In the bill, a detailed breakdown of the cost of each service will be shown along with the applicable GST.

- User story -As a staff, I want to know who has booked the services in my center and when

### **Transaction module :**

- App will be integrated with third party payment gateways to enable payments through various services like cards and UPI.
  - User story -As a user, I want flexibility in payment methods
- Cash will be acceptable if the center allows for the option.

## **Release 2**

### **4. System Admin Module**

- The center managers will have app admin credential to manage the incoming bookings, payment confirmations and also receive relevant alerts.
- The system admin module enables the administrators to easily modify these details by offeUI-bl based administration system and changing the database through it.
- The admin will be able to mark availability of the center based on their current bookings.
  - User story -As a manager, I want to update the user regarding sudden changes
  - User story-As an owner, I want to receive payment for bookings done for my centers
- User story - As a center manager, I want the user to be able to see accurate and most recent information

Further details about this module will be added during the next iteration as the client has strongly denied talking about this module in the current iteration.

### **Use Cases:**

1. Ability for a guardian to drop off their child at a safe and engaging place while they complete

their own tasks

2. Ability for a Guardian to host parties/get together for their children and their friends at a wellness center
3. Providing information about nearby wellness centers to parent
4. Providing a convenient and user friendly interface for finalizing bookings and handling payments

User case name	Description	Release
Login	The user has to submit his registered details into the application in order to access the rest of the features	1
Signup	On first time opening the application, the user will be asked to create a profile. They will be asked to submit details like email address and phone number	1
OTP	In the process of creating a profile, the user will be asked to confirm their details by entering the OTP sent to their Email address	1
Profile page	The user will be shown the details they have entered along with the details of their children that they have given. There will also be options present for them to change the given details	1
Editing details	After the profile has been created, the user has the option of changing some of the details	1
Adding children's details	The User has the option of adding details about children for whom the bookings are to be made	1
Booking type	The user will be able to select the type of booking they want. The available booking types are activity booking and party bookings	1
Activity selection	The user will be able to specify which activities(like origami, storytelling) the children will be engaged in	1
Drop off time	The user will be prompted to select a time at which they will drop of the children at the wellness center	1

Duration	The user has to specify for how long the children will stay at the wellness center	1
Center selection	The user will be presented with several choices of wellness centers based on their location proximity. The user can select any center that they prefer based on the information displayed about the centers	1
Attendees specification	If the user chooses making a party booking, they will be asked how many adults and children will be attending.	1
Children selection	If the user is making an activity booking, they will be asked to select the children that they will drop off. The options presented will be from the children for whom the information has been provided	1
Checkout information	The user will be presented with a detailed bill with information about specific cost of activities along with tax and extra fees information regarding their selected booking	1
Payment gateway	The user will be presented with a list of available payment options like UPI or Net-banking. The user can then select how they want to pay and then they will be redirected to the respective payment service	1
Navigation bar	At the bottom of the screen, a navigation bar will always be present with options of redirecting to seeing previous booking, the profile or booking tab. The user can go to whichever tab they want by just pressing the corresponding icon	1
Previous bookings	The user will be shown about the previous bookings they have made. There will be a detailed breakdown including price information, activity selection and the center chosen	1
Portal for center administrators	There is a separate portal for the center administrators to make changes to the database regarding their centers	2
Updating Activity prices	The managers will be able to change the prices for the different activities	2
Updating availability	The manager will be able to change the availability of activities available in his center	2
Receiving bookings	The center staff will be able to receive bookings and confirm them so that they are ready when the customer comes.	2

Receive  
Payments

The center/franchise owners will get the payment that is  
done through their book for bookings on their center.

2

## UML CASE DIAGRAM

