



Software Requirements Specification

Team Number	49
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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.

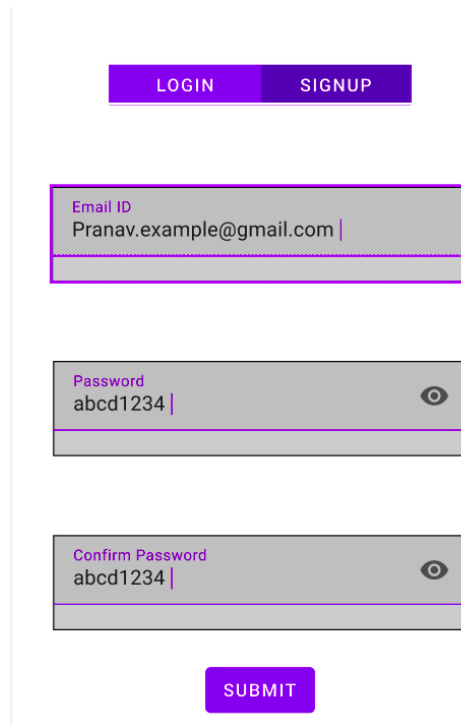
Project Modules:

Release 1 :

1. User management Module

1) Registration Page

- Registration Page will have three fields:
 - *Email ID*
 - *Password*
 - *A field to Confirm Password*



A registration form UI mockup. At the top, there are two blue buttons: 'LOGIN' and 'SIGNUP'. Below them are three input fields. The first is labeled 'Email ID' and contains the text 'Pranav.example@gmail.com'. The second is labeled 'Password' and contains 'abcd1234', with an eye icon to its right. The third is labeled 'Confirm Password' and also contains 'abcd1234', with an eye icon to its right. At the bottom of the form is a blue '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.
- 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.

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)

The screenshot shows a 'PROFILE' page with a purple header. Below the header, there are three light purple boxes for editing parent information: 'Parent Name' (Divij), 'Registered number' (1234567890), and 'Email ID' (divij.d@students.iiit.ac.in). Each box has a pencil icon on the 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 icon 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

The screenshot shows a modal titled 'Add Details' with a light gray background. It contains three light purple boxes for editing child information: 'Child Name' (Nikunj), 'Date of birth' (24/9/2021), and 'Child Gender' (Not specified). Each box has a pencil icon on the right. At the bottom, there is a purple button with a white plus icon and the text '+ 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

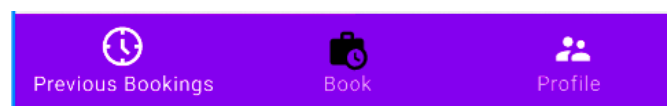
divij.d@students.iiit.ac.in

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.

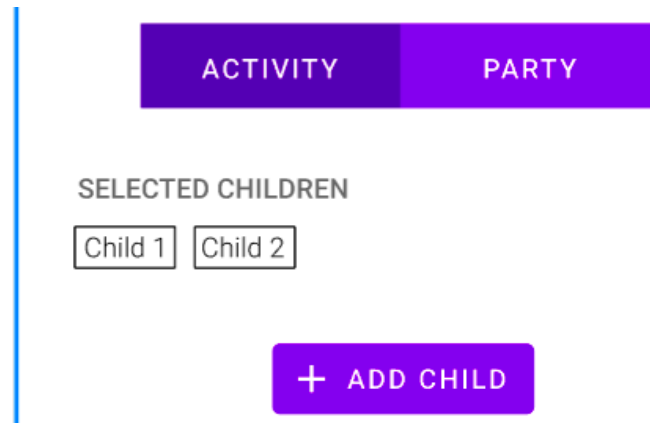


Snapshot of Navbar

1) Activity Booking Module

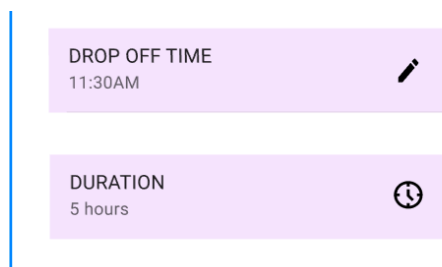
- The parent will be shown centres based on proximity to their chosen location. Information like name of the center, address, and distance from their chosen location will be shown to the parent at this point.
- They can choose any of these centres and further enter information as given below. (The screen 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.



A vertical blue line is on the left. To its right, there are two purple tabs: 'ACTIVITY' and 'PARTY'. Below the tabs is the text 'SELECTED CHILDREN'. Underneath this text are two white boxes with black borders, labeled 'Child 1' and 'Child 2'. At the bottom is a purple button with a white plus sign and the text '+ ADD CHILD'.

- 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.
 - **Duration Of Activity**
The duration will only be in increments of an hour.



A vertical blue line is on the left. To its right, there are two light purple rectangular boxes. The top box contains the text 'DROP OFF TIME' and '11:30AM' with a small black pencil icon on the right. The bottom box contains the text 'DURATION' and '5 hours' with a small clock icon on the 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.

SELECT ACTIVITIES

Play area	<input checked="" type="checkbox"/>
Art and Craft	<input checked="" type="checkbox"/>
Storytelling	<input checked="" type="checkbox"/>
Origami	<input checked="" type="checkbox"/>

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).

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.
- 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 purple edit icon to its right.
- Children:** A field containing the number '10' with a purple edit icon to its right.
- SELECT TIMINGS:** A section header in grey text.
- Start Time:** A light purple box containing '11:30AM' and a black edit icon.
- DURATION:** A light purple box containing '5 hours' and a black clock icon.
- SEE CENTRES:** A solid purple button at the bottom.

snapshot of the party booking page

3. Payment Module

Bill Module :

- After the user selects the activities/hall for party he/she will be redirected to the payment page.
- 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.
- App will fetch the payment data from the database which is updated by the administrators and then 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.

Transaction module :

- App will be integrated with third party payment gateways to enable payments through various services like cards and UPI.
- 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 offering a UI 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.

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.