TEST PLAN IMPLEMENTATION

for

SWIMMING POOL MANAGEMENT SOFTWARE

SPMS

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TEAM HEAVY CODER

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1. Introduction

➔ *This document contains implementations of various features that need to be tested in the Testing-Plan-Document.*

➔ *This implementation is done using test cases.*

➔ *Some of the features may require creating or updating or deleting or reading the tables in the database. (Details of the database are provided in the earlier documents).*

2. Possible Test Cases

➔ *We create few users and check the functionalities of the features in the user interface.*

➔ *We will also see how UI changes if we promote a non-member to a member.*

➔ *Manager's data is already loaded in the database and rest all other tables are empty.*

3. Features Testing

Initially the user data table looks like this

2.1) Sign Up & Login

➔ *Let us create two users through sign up, they are classified as non-members.*

➔ *Once the account is created, it gets added to the user table in the database.*

➔ *It throws up errors / alert messages, if we enter password or other details incorrectly.*
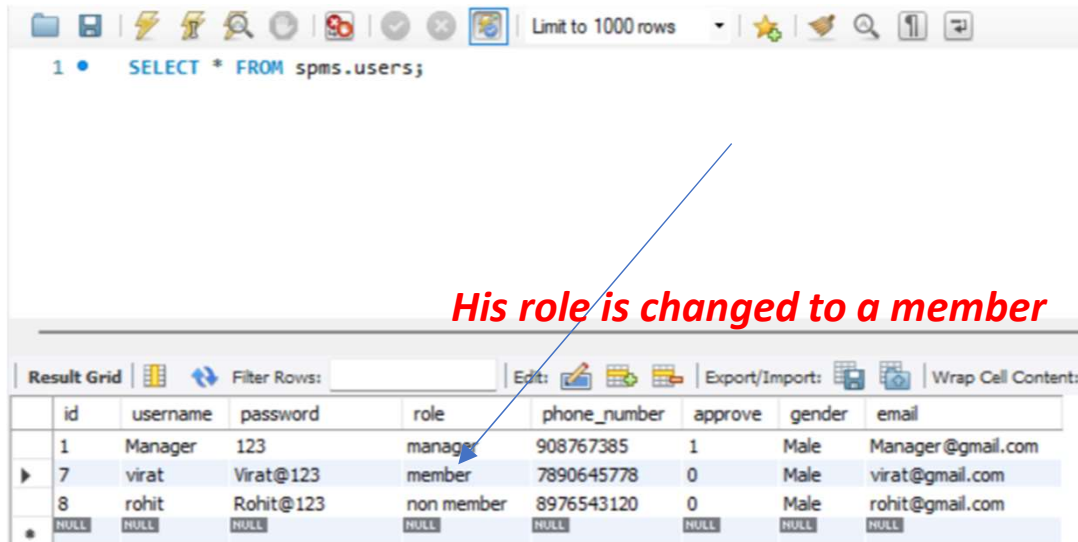
➔ *This feature applies the same for all the users.*

2.2) Get Membership

➔ *Let's say Virat wants to apply for the membership, he fills the required details and uploads necessary documents.*

➔ *He gets approved by the manager and now he pays fee and becomes a member.*

His role is changed to a member

id	username	password	role	phone_number	approve	gender	email
1	Manager	123	manager	908767385	1	Male	Manager@gmail.com
7	virat	Virat@123	member	7890645778	0	Male	virat@gmail.com
8	rohit	Rohit@123	non member	8976543120	0	Male	rohit@gmail.com
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

➔ *If the manager disapproves, he'll remain as a non-member.*

2.3) Book slots & Book Pool

➔ *Rohit (non-member) cannot book pool or book slots as he is a non-member.*

localhost:3000 says

You need to be a member to Book Slots.

OK

localhost:3000 says

You need to be a member to Book Pool.

OK

➔ *Virat (member) can book slots or book pool. A maximum of five slots can be selected per week.*

Available slots for 2024-04-19:

2:00 PM - 3:00 PM

3:00 PM - 4:00 PM

Selected Slots ⊘:

- 2024-04-16 (Tuesday): 10:30 AM - 11:30 AM
- 2024-04-16 (Tuesday): 11:30 AM - 12:30 PM
- 2024-04-16 (Tuesday): 2:30 PM - 3:30 PM
- 2024-04-18 (Thursday): 11:30 AM - 12:30 PM
- 2024-04-19 (Friday): 3:00 PM - 4:00 PM

- User Information
- **Your Slot Bookings**
- Your Pool Bookings
- Your Participations
- Your Tickets
- Cancel Membership

- 2024-04-04 (Thursday): 11:30 AM - 12:30 PM
- 2024-04-17 (Wednesday): 1:00 PM - 2:00 PM
- 2024-04-17 (Wednesday): 3:00 PM - 4:00 PM
- 2024-04-26 (Friday): 2:00 PM - 3:00 PM
- 2024-04-26 (Friday): 3:30 PM - 4:30 PM
- 2024-04-29 (Monday): 10:00 AM - 11:00 AM
- 2024-05-01 (Wednesday): 3:00 PM - 4:00 PM

- User Information
- Your Slot Bookings
- **Your Pool Bookings**
- Your Participations

- 2024-04-25 (Thursday): 11:30 AM - 12:30 PM
- 2024-03-27 (Wednesday): 2:00 PM - 3:00 PM
- 2024-03-27 (Wednesday): 3:00 PM - 4:00 PM

*Your Slot Bookings, Your pool bookings in **My Profile** are changed accordingly.*

2.4) Participation and Buying Tickets

➔ *Both Virat (member) and Rohit (non-member) can participate in upcoming events.*

➔ *Similarly the user can also get tickets for the event (as a viewer).*

➔ *These events are managed by the manager.*

➔ *They can also cancel the participation or cancel the tickets just by going into my profile and clicking on cancel.*

Events

event 1 100m
Date: 2024-03-11

Start Time: 12:00 AM

Duration: 60

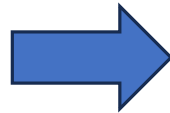[Buy Tickets]

[Participate]

event 2 20m Male
Date: 2024-03-27

Start Time: 3:00 AM

Duration: 60

You are participating in this event.

[Buy Tickets]

- User Information
- Your Slot Bookings
- Your Pool Bookings
- **Your Participations**
- Your Tickets
- Cancel Membership

Your Participations

- **event 2**

  Start time: 3:00 AM

  Date: 2024-03-27

  Duration: 60 minutes

  Distance: 20m

  Gender: Male

  [Cancel]

Suppose Virat is about to participate in an event but unfortunately he fell sick and now he wants to withdraw his participation. He can simply withdraw his participation by going into My Profile and clicking on Cancel.

After clicking on cancel nothing is seen on events page. Similarly we can test for tickets booking also.

Events

event 1 100m
Date: 2024-03-11

Start Time: 12:00 AM

Duration: 60

[Buy Tickets]

[Participate]

event 2 20m Male
Date: 2024-03-27

Start Time: 3:00 AM

Duration: 60

[Buy Tickets]

[Participate]

2.5) My Profile

➔ *My Profile for Virat (member) and Rohit (non-member) look similarly. Apart from "Your Participations" and "Your tickets", "Edit Profile"- rest all are just readable features and nothing can be tested with them.*

➔ *Edit Profile is the common feature for all types of users including manager. Here we can change name, phone number, password…….*

➔ *These newly saved details will get updated in the user database.*

	id	username	password	role	phone_number	approve	gender	email
	1	Manager	123	manager	908767385	1	Male	Manager@gmail.com
▶	7	virat	Virat@123	member	7890645778	0	Male	virat@gmail.com
	8	rohit	Rohit@123	non member	8976543120	0	Male	rohit@gmail.com
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Virat's phone number is changed, similarly it can be done for other details

	id	username	password	role	phone_number	approve	gender	email
	1	Manager	123	manager	908767385	1	Male	Manager@gmail.com
▶	7	virat	Virat@123	member	7890645779	0	Male	virat@gmail.com
	8	rohit	Rohit@123	non member	8976543120	0	Male	rohit@gmail.com
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2.6) Modify Membership Requirements

➜ *It is the Manger's feature, he can add requirements for membership and it can be seen in get membership page of a non-member.*

➜ *Here we are adding additional requirement "**Aadhar**" number. After updating this requirement, the modified requirements will be seen for a non-member when applied for membership.*

×

Add Requirement

Label for Requirement:

Aadhar number

Requirement Type:

Text ⌄

Add Requirement

Requirement gets updated

Manage Requirements

All Requirements

Requirement Label: Phone no   Type of Requirement: text   Edit   Delete

Requirement Label: Date of birth   Type of Requirement: date   Edit   Delete

Requirement Label: Aadhar Number   Type of Requirement: text   Edit   Delete

Add Requirement

Add Requirement

Update Requirements

Update Requirements
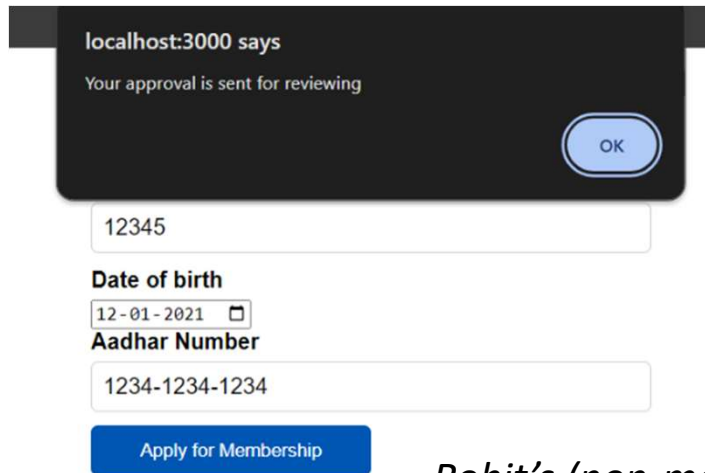
Phone no

Date of birth

dd-mm-yyyy 📅

Aadhar Number

Apply for Membership

2.7) Approvals

➔ *Approvals is a feature of Manager. If a user (non-member) wants to become a member he should fill the requirements.*

localhost:3000 says

Your approval is sent for reviewing
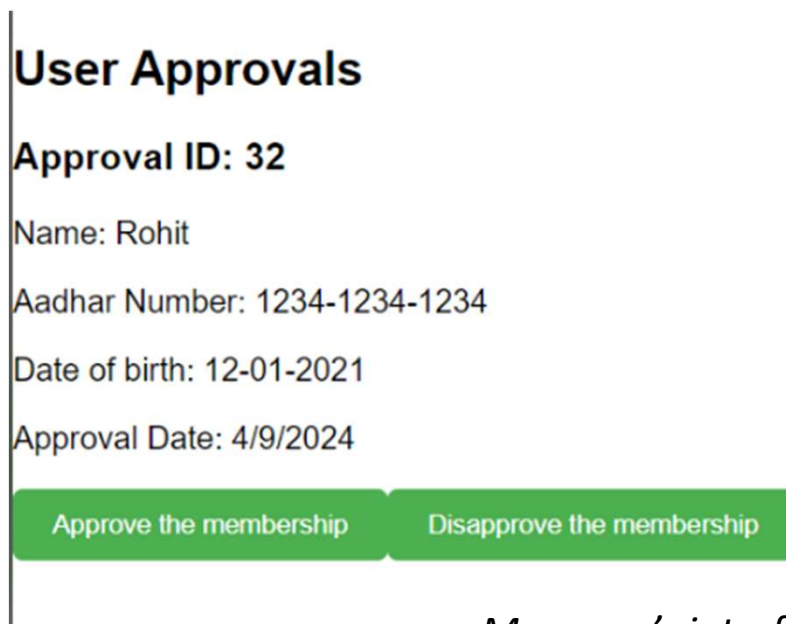
OK

12345

Date of birth

12-01-2021

Aadhar Number

1234-1234-1234

Apply for Membership

Rohit's (non-member) interface

Rohit applies for membership too !!

User Approvals

Approval ID: 32

Name: Rohit

Aadhar Number: 1234-1234-1234

Date of birth: 12-01-2021

Approval Date: 4/9/2024

Approve the membership   Disapprove the membership

Manager's interface

2.8) Organize Events

➔ *Manager can add new events and these events are displayed in events page of non-members and members.*

➔ *We want to add Inter IIT event for males (30m). We should go to organize events and fill the form and save changes.*

➔ *This will make changes in data base and other users can see it in events page.*

Organize Events

Name of the Event:

Inter IIT

Gender:

Male

Distance:

100m

Date of Event:

24-04-2024

Start Time:

9:00 AM

Duration:

- 30 min +

Make Changes

Events

Inter IIT 100m Male
Date: 2024-04-18

Start Time: 9:00 AM

Duration: 30

Buy Tickets

Participate

Non-member/Member's interface

Events table which was empty initially, now is loaded with an event.

	id	event_name	date	start_time	duration	gender	distance	participants	tickets
▶	1	Inter IIT	2024-04-18	9:00 AM	30	Male	100m	100	200
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2.9) Add Slots / Add Slot on a particular day / Delete Slots / Delete Slot on a particular day

2.9.1) Add Slots

Manage Slots

Monday

- 9:00 AM - 10:00 AM

Wednesday

- 10:00Am - 11:00Am

Added Special Slots

Deleteed Slots

| Add Slot | Add Slot on a Particular Day | Delete Slots | Delete Slot on a Particular Day |

Add Slot

Day: Tuesday ⌄

Start Time:

5:00 PM

End Time:

6:00 PM

| Add Slot | Cancel |

localhost:3000 says

Slot Added sucesfully

OK

	id	day	start_time	end_time	capacity
	1	Monday	9:00 AM	10:00 AM	100
	2	Wednesday	10:00Am	11:00Am	100
	3	Tuesday	5:00PM	6:00PM	100
	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit:

2.9.2) Add Slot on a particular day

Manage Slots

Monday

- 9:00 AM - 10:00 AM

Wednesday

- 10:00Am - 11:00Am

Added Special Slots

Deleteed Slots

| Add Slot | Add Slot on a Particular Day | Delete Slots | Delete Slot on a Particular Day |

Add Slot on a Day

Date: 13 - 04 - 2024

Day: Saturday

Start Time:

9:00PM

End Time:

10:00PM

| Add Slot | Cancel |

localhost:3000 says

Slot Added sucesfully

OK

id	date	day_of_the_week	start_time	end_time	type_of_slot	capacity
1	2024-04-13	Saturday	9:00PM	10:00PM	add	100
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid | Filter Rows: | Edit: | Export/Import:

2.9.3) <u>Delete Slots</u>

Manage Slots

Monday

- 9:00 AM - 10:00 AM

Wednesday

- 10:00Am - 11:00Am

Added Special Slots

- 2024-04-13 (Saturday): 9:00PM - 10:00PM [Remove]

Deleteed Slots

[Add Slot] [Add Slot on a Particular Day] [Delete Slots] [Delete Slot on a Particular Day]

Delete slots

Day: Monday ▾

Select the slots to be deleted

Selected Slots:

- Monday : 9:00 AM - 10:00 AM

[Delete Selected Slots] [Cancel]

localhost:3000 says

Selected slots deleted successfully

OK

id	day	start_time	end_time	capacity
2	Wednesday	10:00Am	11:00Am	100
NULL	NULL	NULL	NULL	NULL

2.9.4) Delete Slot on a Particular Day

Manage Slots

Monday

- 9:00 AM - 10:00 AM

Wednesday

- 10:00Am - 11:00Am

Added Special Slots

- 2024-04-13 (Saturday): 9:00PM - 10:00PM Remove

Deleteed Slots

| Add Slot | Add Slot on a Particular Day | Delete Slots | Delete Slot on a Particular Day |

localhost:3000 says

Selected slots deleted successfully

OK

id	date	day_of_the_week	start_time	end_time	type_of_slot	capacity
NULL	NULL	NULL	NULL	NULL	NULL	NULL