CSE213 CRA Report Template

| Simulating operations of a Gym & Fitness Center such as Vogue Lifestyle Lounge | | |
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| ID:  2022350 | Name: Sumaiya Akter Nitu | User1: Member |
| User2: Maintenance Staff |
| ID:  2022335 | Name: Anika Tabassum | User3:Trainer |
| User4: Nutritionist |
| ID:  2021793 | Name: Sarah Binte Mahbub | User5: Receptionist |
| User6: Sales Representative |
| ID:  2020877 | Name: Iram Ahmed Dhrubo | User7: Administrator |
| User8: Physical Therapist |

**Possible event type:**

* UIE – user input to trigger event
* UID – user input to be considered as data
* OP – display content
* PC – prerequisite check
* VL – validation check
* VR – verification check
* DP – fetching data from file system and process it to get some calculated outcome (data processing)

| Login Process | | | Event Type |
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| Workflow: | Event 1: | Select login option | OP |
|  | Event 2: | A new scene will appear where there are text fields to enter name and email address, password field to enter password and a combobox to select the users. Options of user type are:  Member, Maintenance Staff, Trainer, Nutritionist, Sales Representative, Receptionist, Physical Therapist and Administrator. | UIE |
|  | Event 3: | Fillup user ID, user email, password and user type, and then select the Login button. It’ll verify the userID, email and password. If successful it’ll login to the application.  If verification failed, a notification will appear that “User Id or email or password is invalid” | UID, VL, VR, OP |
|  | Event 4: | If verification fails, select “Forget password”. A new scene will appear where users have to fill-up his/her userID, Email, new password and confirm password. | OP, DP,UID,UIE |

| User1 name: Member | | | |
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| User-1, **Goal-1** | Description of Goal 1:  Book workout sessions easily and conveniently through the application. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the member dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select the “Book Session” option. It will take the user to a new scene. | UIE, OP |
|  | Event 4: | In this scene a form will be loaded containing (Date, Time). It will suggest some dates and time to the members. | OP |
|  | Event 5: | Choose the convenient time slot and press the “Book Session” button. | UIE, UID |
|  | Event 6: | Upon Clicking On “Book Session” button it will book a workout session for the user. | UIE, UID, DP |
|  | Event 7: | If the user wants to go back to the member dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |
| User-1, Goal-2 | Description of Goal 2:  To reach their fitness goals, access and follow workout plans, diet plans, and wellness tips. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the member dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select the “Plans and Diet” option. It will take the user to a new scene. | UIE,OP |
|  | Event 4: | Now It will give the users proper guidelines and wellness tips. Follow the workout plan, diet plan, and wellness tips. | OP |
|  | Event 5: | If the user wants to go back to the member dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene.as. | OP, UIE |
| User-1, Goal-3 | Description of Goal 3:  Members can keep track of their progress and can update their progress. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the member dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select the “Track progress” option. It will take the user to a new scene. | UIE,OP |
|  | Event 4: | It will track progress by entering data such as current weight, current height and the number of workout exercises done. | UIE, UID |
|  | Event 5: | Click the "Update" button to save the data. | UIE, DP, UID |
|  | Event 6: | If the user wants to go back to the member dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |
|  | Event 7: | The user will be able to view the current weight, height and No of workout exercises done in the Dashboard. | OP, DP |
| User-1, Goal-4 | Description of Goal 4:  Connect with other members and build a fitness community for support and inspiration. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the member dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select the “ Community” option. It will take the user to a new scene. | UIE,OP |
|  | Event 4: | Some rules and regulations can be seen. A question will show that 'Do you agree to the terms?' | OP |
|  | Event 5: | If the user can maintain them then select the Yes options and click on the "Join.." button. | UID, UIE, DP |
|  | Event 6: | If the user wants to go back to the member dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |
| User-1, Goal-5 | Description of Goal 5:  Members can confirm the month they have paid and which payment method is used. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the member dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select the “Membership” option. It will take the user to a new scene. | UIE,OP |
|  | Event 4: | It will show the payment information such as in which month and how much they are paying and which payment method they want to use for payment. | OP |
|  | Event 5: | Click the “Confirm after payment’ button to complete the payment process. | UIE, UID, DP |
|  | Event 6: | Members will receive a congratulatory message if the payment is successful. | DP |
|  | Event 7: | If the user wants to go back to the member dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |
| User-1, Goal-6 | Description of Goal 6:  Purchase gym supplements through the application. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the member dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select the “ Gym Supplements” option. It will take the user to a new scene. | UIE,OP |
|  | Event 4: | Browse through the available gym supplies and services. Select the desired items and enter the necessary information. | UIE, UID, OP |
|  | Event 5: | Total cost will be shown then click on the “Confirm Purchase” button. | UIE, UID, OP, DP |
|  | Event 6: | If the payment is successful, the user will receive a confirmation message and the order will be processed. If the payment is not successful, an alert message will be given which will say "Payment Unsuccessful". | VR |
|  | Event 7: | If the user wants to go back to the member dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |
| User-1, Goal-7 | Description of Goal 7:  Keep track and update their workout-related health indicators like heart rate, calories burned etc. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | UID, VL, VR |
|  | Event 2: | If login is successful, the user will be navigated to the member dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select the “Health Indicators” option. It will take the user to a new scene. | UIE,OP |
|  | Event 4: | It’ll track progress by entering data such as heart rate, calories burned, blood pressure, and body mass index(BMI). Trainers and nutritionists can also access the health indicator data to provide personalized recommendations and guidance. | UIE, UID, DP |
|  | Event 5: | Click the "Submit" button to save the data. | UIE, DP, UID |
|  | Event 6: | If the user wants to go back to the member dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |
|  | Event 7: | The user will be able to view the current heart rate, calories burned, blood pressure, and the body mass index(BMI) in the dashboard. | OP, DP |
| User-1, Goal-8 | Description of Goal 8:  Set fitness milestones, such as finishing a 4k run or lifting a specific amount of weight. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the member dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select the “Milestones” option. It will take the user to a new scene. | UIE,OP |
|  | Event 4: | Choose the type of milestone to set. The type of milestones will be displayed in checkboxes and the member will be able to select the checkboxes. | OP, UID |
|  | Event 5: | Select the desired milestones and press the "Set Milestones" button to save. | UIE, DP, UID |
|  | Event 6: | If a milestone is set and the button "Set Milestone" is pressed, then a message will pop up and it will say: "Good Luck in achieving the selected milestones".  If no milestone is set and the button "Set Milestone" is pressed, then a message will pop up and it will say: "No Milestone is selected. Select a milestone first". | VR, DP |
|  | Event 7: | If the user wants to go back to the member dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |

| User2 name: Maintenance Staff | | | |
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| User-2, Goal-1 | Description of Goal 1:  Manage and maintain gym equipment and facilities. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the management staff dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select “List of Equipment” option. It will take the user to a new scene. It will show the list of equipment and facilities. | UIE,OP |
|  | Event 4: | Create a schedule for maintaining each piece of machinery and facility. | UIE, UID |
|  | Event 5: | Select the “Submit” button. View maintenance history for each equipment and facility. | OP, UIE, DP, UID |
|  | Event 6: | If the user wants to go back to the maintenance staff dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |
| User-2, Goal-2 | Description of Goal 2:  Respond to equipment malfunctions and repair issues. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the management staff dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select the “Repair issue” option. It will take the user to a new scene. it will show the list of equipment that needs to be repaired. | UIE,OP |
|  | Event 4: | Assign the issue to an available maintenance staff member to mention their Name, Id and the date and time(which the time they have to complete the task) then press the “Submit” Button. | DP, OP, |
|  | Event 5: | The Maintenance staff member receives notification of the assigned issue. Maintenance staff member creates a repair plan and estimates the time and resources required to complete the repair. | DP, UIE, UID |
|  | Event 6: | Maintenance staff member completes the repair and marks the issue as resolved. | UIE, UID |
|  | Event 7: | Management reviews the repair history and updates maintenance schedules as necessary. | DP |
|  | Event 8: | If the user wants to go back to the maintenance staff dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |
| User-2, Goal-3 | Description of Goal 3:  Schedule trainers, receptionists, and maintenance staff for efficient operations | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the management staff dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select the “Create Schedule” option. It will take the user to a new scene. | UIE,OP |
|  | Event 4: | Maintenance Staff will select the option from the comboBox whose schedule they want to create. | UID, UIE |
|  | Event 5: | Click on the “Submit” button to complete the Create schedule process. | UIE, DP, UID |
|  | Event 6: | If the user wants to go back to the maintenance staff dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene.. | OP, UIE |
| User-2, Goal-4 | Description of Goal 4:  Analyze member feedback and suggest improvements to the gym’s facilities and services. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the management staff dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select “Member Feedback” option. | UIE,OP |
|  | Event 4: | Maintenance staff can view improvement feedback from the members. Analyze the feedback and specify what needs to be improved. Assign tasks to relevant staff members to implement the improvements. | OP,DP, UID, UIE |
|  | Event 5: | Select the “Set” button. | DP, UIE, UID |
|  | Event 6: | If the user wants to go back to the maintenance staff dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |
| User-2, Goal-5 | Description of Goal 5:  Monitor and ensure cleanliness of the gym. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the management staff dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select the “Cleanliness” option. It will take the user to a new scene. | UIE,OP |
|  | Event 4: | Enter the name and id of the cleaning staff member to be assigned and Set a deadline for completing the cleaning tasks. | UID,UIE |
|  | Event 5: | Select the “Assign” button. Monitor the cleanliness of the gym by conducting periodic inspections. | UIE, DP, UID |
|  | Event 6: | If the user wants to go back to the maintenance staff dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |
| User-2, Goal-6 | Description of Goal 6:  Analyze feedback of trainers, nutritionists, and physical therapists and assign staff to resolve issues. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the management staff dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Select the “Feedback” option. It will take the user to a new scene. | UIE,OP |
|  | Event 4: | Maintenance staff can view feedback from nutritionists, physical therapists or trainers. Analyze the feedback and specify what needs to be improved. | DP, OP |
|  | Event 5: | Assign tasks to relevant staff members to resolve the issue. Also write down what needs to be improved. | UIE, UID |
|  | Event 6: | Select the “Set” button. | UIE, DP, UID |
|  | Event 7: | If the user wants to go back to the maintenance staff dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |
| User-2, Goal-7 | Description of Goal 7:  Maintenance Staff can respond to emergency situations. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the management staff dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Receive notification of emergency situation. Select the “Emergency Situation” option. It will take the user to a new scene. | UIE,OP |
|  | Event 4: | Users can see the description of the emergency situation. Assign tasks to relevant staff members to resolve the issue immediately. | OP, DP, UIE, UID |
|  | Event 5: | Click on the “Assign Staff” button. | UIE, DP, UID |
|  | Event 6: | If the user wants to go back to the maintenance staff dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |
| User-2, Goal-8 | Description of Goal 8:  Management Staff can provide information to all the staff about the risk in a gym. | | Event Type |
| Workflow: | Event 1: | Workflow of the login process will be executed first. | VR, VL, OP, UIE,  DP, UID |
|  | Event 2: | If login is successful, the user will be navigated to the management staff dashboard scene. If login is unsuccessful, then a message, “Wrong Login Information” will be displayed. | VR, VL, OP |
|  | Event 3: | Users can see the information about the risks in a Gym. | UIE,OP |
|  | Event 4: | If any new information needs to be added then the maintenance staff will add new information in the TextField and click on the "Add to List" button. | UIE, UID |
|  | Event 5: | After clicking the “Add to List” button, the new information will be updated in the gym's risk information TextArea. | DP |
|  | Event 6: | If the user wants to go back to the maintenance staff dashboard scene, click on the "Back to Dashboard" button. This takes them back to the previous scene. | OP, UIE |

| **User3 name: Trainer** | | | |
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| User-3, Goal-1 | Description of Goal 1: Create and personalize workout routines for individual members. | | Event Type |
| Workflow: | event-1 | Login process workflow will be executed first.. | UIE |
|  | event-2 | If login is successful, the user will be navigated to the trainer dashboard scene. If login is unsuccessful, a message, “Wrong Login Credentials” | UIE |
|  | event-3 | In the Trainer dashboard, the trainer will be able to see buttons under the menu of all the activities they can do. By clicking the buttons as necessary, the user can navigate to all the possible scenes of activities they can perform.  Among the buttons, the user selects the “Member’s Workout routine” button which will be navigated to the scene where they can create and view the workout routine of the members.  In the scene the trainer will find a text field where they can input the member ID for whom they want to create a workout routine, a datepicker from which date of the routine or input can be selected, a text field to input the times of each workout and a combobox from where the workout name can be selected. | UIE, UID |
|  | event-4 | The user then clicks on the “Add workout” button present in the scene, which will add the information provided for the workout routine to a text file.Workout routine of each member will be saved in separate text files. | UID |
|  | event-5 | To view the workout routine of a member, after inputting the member ID, the user clicks the “View Routine” button present there which will load the workout routine of that user in a table view. Again if the member does not have a workout routine or the trainer wants to add more workout to the routine, the trainer after inputting all the data and adding data to the text file, clicks the “View Routine” button and views the routine. | UIE, UID |
|  | event-6 | The trainer can edit the data from the table by double clicking on the data that needs to be edited. | UID |
|  | Event 7 | The trainer then clicks back to the Dashboard button which will take them back to the dashboard. |  |
|  | | | |
| User-3, Goal-2 | Description of Goal 2: Monitor the progress of each member in achieving their fitness objectives. | | Event Type |
| Workflow: | event-1 | Login process workflow will be executed first. | UIE |
|  | event-2 | If login is successful, the user will be navigated to the trainer dashboard scene. If login is unsuccessful, a message, “Wrong Login Credentials” | UIE |
|  | event-3 | In the Trainer dashboard, the trainer will be able to see buttons under the menu of all the activities they can do. By clicking the buttons as necessary, the user can navigate to all the possible scenes of activities they can perform.  Among the buttons, the user selects the “Member’s Workout routine” button which will be navigated to the scene where they can create and view the workout routine of the members.  In the scene the trainer will find a text field where they can input the member ID for whom they want to view progress. | UIE, UID |
|  | event-4 | The user will find a button named “Review Workout Logs” by clicking which the workout logs updated by the member will be viewed in a textarea from the database. | UIE, OP |
|  | event-5 | The user will then analyze member's progress towards their fitness objectives. | DP |
|  | event-6 | The trainer then clicks back to the Dashboard button which will take them back to the dashboard. |  |
|  | | | |
| User-3, Goal-3 | Description of Goal 3: Offer feedback and coaching to each member on their technique and performance. | | Event Type |
| Workflow: | event-1 | Login process workflow will be executed first. | UIE |
|  | event-2 | If login is successful, the user will be navigated to the trainer dashboard scene. If login is unsuccessful, a message, “Wrong Login Credentials” | UIE |
|  | event-3 | In the Trainer dashboard, the trainer will be able to see buttons under the menu of all the activities they can do. By clicking the buttons as necessary, the user can navigate to all the possible scenes of activities they can perform.  Among the buttons, the user selects the “Feedback” button which will be navigated to the scene where they can create and view the workout routine of the members.  In the scene the trainer will find a text field where they can input the member ID for whom they want to give feedback. | UIE, OP |
|  | event-4 | The user will select “Review workout technique” present in the scene clicking which they can view the technique name the member followed. | UIE, OP |
|  | event-5 | The user will then analyze the member's technique and performance. | DP |
|  | event-6 | The user then finds a text area where they can input their feedback on the technique. | UID |
|  | | | |
| User-3, Goal-4 | Description of Goal 4: Manage and schedule appointments with members efficiently. | | Event Type |
| Workflow: | event-1 | Login process workflow will be executed first. | UIE |
|  | event-2 | If login is successful, the user will be navigated to the trainer dashboard scene. If login is unsuccessful, a message, “Wrong Login Credentials” | UIE |
|  | event-3 | In the Trainer dashboard, the trainer will be able to see buttons under the menu of all the activities they can do. By clicking the buttons as necessary, the user can navigate to all the possible scenes of activities they can perform.  Among the buttons, the user selects the “Member’s Workout routine” button which will be navigated to the scene where they can create and view the workout routine of the members.  In the scene the trainer will find a text field where they can input the member ID for whom they want to view technique. | UIE, OP |
|  | event-4 | The user checks for available time slots. | OP |
|  | event-5 | The user will click on the available slot which will take to a new scene where he/she can schedule appointments with members by clicking on the“Members list” button, selecting and assigning member/s to the slot. | UIE, UID, OP |
|  | event-6 | Send notifications to members regarding their appointments. | DP |
|  | | | |
| User-3, Goal-5 | Description of Goal 5:Use the application as a means of sending message to provide support and guidance to members. | | Event Type |
| Workflow: | event-1 | Login process workflow will be executed first. | UIE |
|  | event-2 | If login is successful, the user will be navigated to the trainer dashboard scene. If login is unsuccessful, a message, “Wrong Login Credentials” | UIE |
|  | event-3 | In the Trainer dashboard, the trainer will be able to see buttons under the menu of all the activities they can do. By clicking the buttons as necessary, the user can navigate to all the possible scenes of activities they can perform.  Among the buttons, the user selects the “Message” button which will be navigated to the scene where they can create and view the workout routine of the members.  In the scene the trainer will find a text field where they can input the member ID for whom they want to give message. | UIE, OP |
|  | event-4 | The user will view messages from members. | OP |
|  | event-5 | The user will provide support and guidance to members through messaging. | (UID) |
|  | | | |
| User-3, Goal-6 | Description of Goal 6: Establish and keep track of fitness targets for each member. | | Event Type |
| Workflow: | event-1 | Login process workflow will be executed first.. | UIE |
|  | event-2 | If login is successful, the user will be navigated to the trainer dashboard scene. If login is unsuccessful, a message, “Wrong Login Credentials” | UIE |
|  | event-3 | In the Trainer dashboard, the trainer will be able to see buttons under the menu of all the activities they can do. By clicking the buttons as necessary, the user can navigate to all the possible scenes of activities they can perform.  Among the buttons, the user selects the “Track fitness” button which will be navigated to the scene where they can create and view the workout routine of the members.  In the scene the trainer will find a text field where they can input the member ID for whom they want to view technique. | UIE, OP |
|  | event-4 | The user will select “View fitness goals” on the profile of the member to see the fitness goals of the member. | UIE, OP |
|  | event-5 | On the scene of event - 4, the user will find a button called “Set fitness targets” by clicking which the user will find a message option to input the targets for the member. | UID, UIE |
|  | event-6 | The user will keep track of member's progress towards their fitness targets. | DP |
|  | | | |
| User-3, Goal-7 | Description of Goal 7: Create new workout ideas and see the ideas of other trainers. | | Event Type |
| Workflow: | event-1 | Login process workflow will be executed first. | UIE |
|  | event-2 | If login is successful, the user will be navigated to the trainer dashboard scene. If login is unsuccessful, a message, “Wrong Login Credentials” | UIE |
|  | event-3 | The user will find a “Workout Ideas” option on the dashboard by clicking which, it will take to a new scene where the user will get two options: 1. “Add Idea” and 2. “View Ideas”.  By selecting Add Idea, the user will find a message bar where he/she can input new ideas. Again, by selecting View ideas, the user can view all the existing workout ideas of the gym. | UIE, UID, OP |
|  | event-4 | Selecting the “Save Idea” option, the user will be able to save the workout ideas. | UIE |
|  | | | |
| User-3, Goal-8 | Description of Goal 8: Manage Tips | | Event Type |
| Workflow: | event-1 | Login process workflow will be executed first. | UIE |
|  | event-2 | If login is successful, the user will be navigated to the trainer dashboard scene. If login is unsuccessful, a message, “Wrong Login Credentials” | UIE |
|  | event-3 | The user will find a “Tips” option on the dashboard by clicking which, it will take to a new scene where the user will see all the Tips in a table. In the same scene the user will get two options: 1. “Create Tips” and 2. “Edit Tips”.  By selecting Create Idea, the user will find a message bar where he/she can input new tips which will be updated in the table. Again, by selecting edit tips, a message bar will appear where the user can edit existing tips. By clicking “Save tips” button the tips will be created or updated in the table. | UIE, UID, OP |

| **User4 name: Nutritionist** | | | |
| --- | --- | --- | --- |
| User-4, Goal-1 | Description of Goal 1: Create and assign meal plans to members based on their dietary needs and preferences. | | Event Type |
| Workflow: | event-1 | Login process workflow will be executed first. | UIE |
|  | event-2 | If login is successful, the user will be navigated to the user dashboard scene. If login is unsuccessful, a message, “Wrong Login Credentials” | UIE |
|  | event-3 | In the user dashboard, the trainer will be able to see buttons under the menu of all the activities they can do. By clicking the buttons as necessary, the user can navigate to all the possible scenes of activities they can perform.  Among the buttons, the user selects the “Create meal plan” button which will be navigated to the scene where they can create and view the workout routine of the members.  In the scene the trainer will find a text field where they can input the member ID for whom they want to create meal. | UIE, OP |
|  | event-4 | The user will find an option to input the meal plan and then click the "Create Meal Plan" button to confirm the plan. | UID |
|  | event-5 | The application displays a list of food items that meet the dietary requirements of the member. | (OP) |
|  | event-6 | The user selects the food items and creates a meal plan for the member. | (UID) |
|  | event-7 | The application saves the meal plan to the database which members can access. | (DP) |
|  | | | |
| User-4, Goal-2 | Description of Goal 2: Track members' food intake | | Event Type |
| Workflow: | event-1 | Login process workflow will be executed first. | UIE |
|  | event-2 | If login is successful, the user will be navigated to the user dashboard scene. If login is unsuccessful, a message, “Wrong Login Credentials” | UIE |
|  | event-3 | The user then selects the “View members list” option and the user will be able to view the list of members under the user. The user selects the member for whom he/she wants to track food intake. | UIE, OP |
|  | event-3 | The application displays the intaken food by the member to the trainer which has been inputted by the member. | (OP) |
|  | event-4 | The trainer can make comments regarding the food intake. | (UID) |
|  | | | |
| User-4, Goal-3 | Description of Goal 3: Provide feedback to members on their food choices and suggest alternatives if needed. | | Event Type |
| Workflow: | event-1 | Login process workflow will be executed first. | UIE |
|  | event-2 | If login is successful, the user will be navigated to the user dashboard scene. If login is unsuccessful, a message, “Wrong Login Credentials” | UIE |
|  | event3 | Feedback on member’s choice of food intake |  |
|  | event4 | The user selects the member for whom they want to provide feedback. | (UIE) |
|  | event5 | The application displays the member's food intake history. | (OP) |
|  | event6 | The user reviews the food intake history and provides feedback on the member's food choices. | (UID) |
|  | event7 | The application suggests alternatives to the member's food choices based on their dietary requirements. | (DP) |
|  | event8 | The user communicates the feedback and suggestions to the member through the application. | (UID) |
|  | | | |
| User-4, Goal-4 | Description of Goal 4: To schedule and manage appointments with members through the application. | | Event Type |
| Workflow: | event1 | The user logs into the application. (UIE) |  |
|  | event2 | The user navigates to the appointment scheduling feature. | (UIE) |
|  | event3 | The application displays a calendar where the user can view their schedule. | (OP) |
|  | event4 | The user selects a date and time for an appointment with a member. | (UIE) |
|  | event5 | The application saves the appointment to the user's schedule and sends a notification to the member. | (DP) |
|  | | | |
| User-4, Goal-5 | Description of Goal 5: Provide guidance and support to the members by communicating with them through the application. | | Event Type |
| Workflow: | event1 | The user logs into the application. | (UIE) |
|  | event2 | The user selects the member for whom they want to provide guidance and support. | (UIE) |
|  | event3 | The application displays a messaging feature where the user can communicate with the member. | (OP) |
|  | event4 | The user communicates guidance and support to the member through the messaging feature. | (UID) |
|  | event5 | The application saves the conversation history to the member's profile. | (DP) |
|  | | | |
| User-4, Goal-6 | Description of Goal 6: To set nutrition milestones for members and track their progress towards nutrition goals. | | Event Type |
| Workflow: | event1 | The user logs into the application | UIE |
|  | event2 | The user selects the member for whom they want to set nutrition milestones. | UIE |
|  | event3 | The application displays a feature where the user can set nutrition milestones for the member. | OP |
|  | event4 | The user sets nutrition milestones for the member | UID |
|  | event5 | The application saves the nutrition milestones to the member's profile. | DP |
|  | | | |
| User-4, Goal-7 | Description of Goal 7: To review the nutrition history and goals of members by accessing their profiles. | | Event Type |
| Workflow: | event1 | The user logs into the application. | (UIE) |
|  | event2 | The user selects the member for whom they want to review nutrition history and goals. | (UIE) |
|  | event3 | The application displays the member's profile, which includes their nutrition history and goals. | (OP) |
|  | event4 | The user reviews the member's nutrition history and goals | . (UID) |
|  | event5 | The user can make changes to the member's nutrition goals if necessary. | (UID) |
|  | event6 | The application saves any changes made to the member's nutrition goals. | (DP) |
|  | | | |
| User-4, Goal-8 | Description of Goal 8: Offer educational resources and tips on nutrition and healthy eating habits through the application. | | Event Type |
| Workflow: | event1 | The user logs into the application. | (UIE) |
|  | event2 | The user navigates to the educational resources and tips feature. | (UIE) |
|  | event3 | The application displays a list of educational resources and tips on nutrition and healthy eating habits. | (OP) |
|  | event4 | The user selects a resource or tip to view. | (UIE) |
|  | event5 | The application displays the selected resource or tip. | (OP) |
|  | event6 | The user can share the resource or tip with members through the messaging feature. | (UID) |

| **User5 name: Receptionists** | | | |
| --- | --- | --- | --- |
| User-5, Goal-1 | Description of Goal 1: Members Details | | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, receptionist “Dashboard” scene will be loaded. | OP |
|  | Event-3: | Select ”MembersDetails” option. | UIE |
|  | Event-4: | Insert the member first name, last name and date of joining to add to table, It will write the details in member detail binary file. | UIE, VL, VR |
|  | Event-5: | If file writing is successful, a new row will appear with in table of “Member Details” that shows those who first name, last name, date of joining of each member separately with each addition at a time using “Add Member” button. Those who are added to table their name, date of joining and for how many years they have been the member of fitness center can be viewed by selecting one of the table rows and clicking “View Detail” button. Same goes for deleting member details click “Delete” button after selecting a table row. | VR, UIE, OP |
|  | Event-6: | logout-out with “Logout” button. | UIE |
|  | | | |
| User-5, Goal-2 | Description of Goal 2: Manage member's schedules at gym | | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, receptionist landing scene will be loaded | OP |
|  | Event-3: | Select the “Schedules” option. | UIE |
|  | Event-4: | A new scene will appear with the schedule of available time slots for users to look at pressing the type with radio button, a table with columns for time slots, days of the week, and any other relevant information will appear.  Adjust the schedule as needed based on member feedback and demand for gym slots, adjust appointment with the physiotherapist or nutrionist for both these a table with columns for time slots, days of the week, and any other relevant information will appear following the other scene. Then with a “Back to Dashboard” button direct back to receptionist landing scene. | UIE, UID, OP |
|  | | | |
| User-5, Goal-3 | Description of Goal 3: Respond to member inquiries and complaints | | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, receptionist landing scene will be loaded. | OP |
|  | Event-3: | Select the “Query-Box” option. | UIE |
|  | Event-4: | A new scene will appear where the receptionist will meet customer queries via messaging. Then with a “Back to Dashboard” button direct back to receptionist landing scene. | UIE, UID |
|  | | | |
| User-5, Goal-4 | Description of Goal 4: Manage email communications with members | | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, receptionist landing scene will be loaded. | OP |
|  | Event-3: | Select the “Mail” option | UIE |
|  | Event-4: | A hyperlink will redirect the user to the mailbox of the gym where the receptionist will be able to answer them by regular rules. Then with a “Back to Dashboard” button direct back to receptionist landing scene. | UIE, UID, OP |
|  | | | |
| User-5, Goal-5 | Description of Goal 5: Process financial transactions | | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, receptionist landing scene will be loaded. | OP |
|  | Event-3: | Select the “Transactions” option. | UIE |
|  | Event-4: | A new scene will appear where all transected money by the members, with the information of their purpose, will appear in a tabular form. Member ID, Transected amount separated into 4 different columns (Physiotherapist, nutritionist, gym supplies and services, Membership renewal). The receptionist will check and verify the amount manually. Then select “Approve” button. Then with a “Back to Dashboard” button direct back to receptionist landing scene. | DP, UIE, UID |
|  | Event-5: | If verification is successful, a new scene will appear with a table of “Transactions” that shows those who have completed payments. Each member in the list will include a membership ID, membership status, purchased gym supplies and services, and payments made to the physiotherapist and nutritionist. A button “Make Changes” will also appear. Select a member from the table and select the “Make Changes” button then if the member likes to re-fund then they will be refunded following the gym policy | OP, UIE, UID, DP |
|  |  | If unsuccessful, notification will be given depending on which requirement it failed to fulfill. For example, if a member at the gym made a transaction that is less or more than the required amount then it’ll notify the member and the transaction will fail only after the receptionist has verified and pressed “Approve” button thus the member has to make the transaction with an appropriate amount for it to get approved. |  |
|  | | | |
| User-5, Goal-6 | Description of Goal 6: Update the list of equipments and supplies | | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, receptionist landing scene will be loaded. | OP |
|  | Event-3: | Select the “Equipments and Supplies” option. | UIE |
|  | Event-4: | A scene will appear with the list of inventory and supplies available at the gym, if reported by the maintenance staff of the unavailability of any inventory and supplies then and only then the receptionist will select the “Update” button of the Inventory and supply scene to update. | UIE, UID, OP |
|  | | | |
| User-5, Goal-7 | Description of Goal 7: Provide and update respective information to administration | | Event Type |
| Workflow: | Event-1: | Workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, receptionist landing scene will be loaded. | OP |
|  | Event-3: | Select the “Administrative Support” option. | UIE |
|  | Event-4: | A scene will appear with generated reports of Gym Members, Financial Transactions from gym members (Purpose: Physiotherapist, nutritionist, gym supplies and services, Membership renewal), list of inventory and supplies available then the receptionist will have to press “Update” button to update the information viewed by the administration to generate an updated list of all these which will be derived from the above processes. | UIE, OP, DP |
|  | | | |
| User-5, Goal-8 | Description of Goal 8: Manage physiotherapist's schedule | | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, receptionist landing scene will be loaded | OP |
|  | Event-3: | Select the “Schedules” option. | UIE |
|  | Event-4: | A new scene will appear with the schedule of available time slots selected by the Physiotherapist on pressing the “Physiotherapist” button same goes for “Nutritionist” and “Trainer” for each will have a separate button, a table with columns for time slots, days of the week, and any other relevant information.  Adjust the schedule as needed based on respective feedback and demand for gym slots, and adjust appointments with the members for these a table with columns for time slots, days of the week, and any other relevant information will appear following the the information. | UIE, UID, OP |
|  | | | |

| User6 name: Sales representatives | | | |
| --- | --- | --- | --- |
| User-6, Goal-1 | Description of Goal 1: Follow up and provide information on membership options | | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, Sales Representative landing scene will be loaded | OP |
|  | Event-3: | Select the “Membership Options” option. | UIE |
|  | Event-4: | Sales representative “Generate Report” leads by “inspecting” sales techniques on “requested” data available on members and their demands, determines and inserts “Pricing”, “Benefits” | UIE, DP, OP, UID |
|  | | | |
| User-6, Goal-2 | Description of Goal 2: Pitch and Close sales based on the market | | Event Type |
|  | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, Sales Representative landing scene will be loaded | OP |
|  | Event-3: | Select the “Development Plan” option. | UIE |
|  | Event-4: | A new scene will appear consisting of prices of equipments, supplies and services in a tabular form press on “Update” button after making updates. “Close” button after finishing. | UIE, UID, DP |
|  | | | |
| User-6, Goal-3 |  | Description of Goal 3: Process financial transactions for market analysis | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, Sales Representative landing scene will be loaded | OP |
|  | Event-3: | Select the “Financial Transaction” option. | UIE |
|  | Event-4: | A scene will appear following the members transactions in tabular form, expenditure derived after the payment to the physiotherapist, nutritionist, trainer, receptionist and purchases of inventories, supplies all in 2 different tables with separate columns for each.  After analysis, Sales representative will be able to “Generate Report Profit” based on market and make financial transaction to the administration | UIE, UID, DP, VR, OP |
|  | | | |
| User-6, Goal-4 | Description of Goal 4: Manage sales leads and customer information | | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, Sales Representative landing scene will be loaded | OP |
|  | Event-3: | Select the “Customer Information” option. | UIE |
|  | Event-4: | track customer interactions, “Update” customer information, and maintain a database of prospects and members | UIE, DP, OP, UID |
|  | | | |
| User-6, Goal-5 | Description of Goal 5: Analyze and report on sales data | | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, Sales Representative landing scene will be loaded | OP, UIE |
|  | Event-3: | Select the “Sales Information” option. | UIE |
|  | Event-4: | Sales representative analyzes sales data to identify trends, analyze and report on sales data, including metrics such as revenue, customer acquisition costs, and customer lifetime value. This information can help the gym make data-driven decisions about sales and marketing strategies  They “Generate” and “Show” reports on sales metrics and performance | UIE, DP, UID, OP |
|  | | | |
| User-6, Goal-6 | Description of Goal 6: Provide information for potential members | | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, Sales Representative landing scene will be loaded | OP |
|  | Event-3: | Select the “Market Strategy” option. | UIE, OP |
|  | Event-4: | A scene will appear where the sales representative can provide market strategy for each section of the physiotherapist, nutritionist, trainer, inventories, supplies and services in a table. Conclude by “Generate Report” for administration. | UIE, DP, UID |
|  | | | |
| User-6, Goal-7 | Description of Goal 7: Participate in marketing and outreach events | | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, Sales Representative landing scene will be loaded | OP |
|  | Event-3: | Select the “Events” option. | UIE |
|  | Event-4: | A scene will appear where the sales representative can organize events with “Add to calendar” option for market outreach then “Close” using close button | UIE, OP, PC |
|  | Event-5: | Create promotional notices in another scene. | UIE, OP |
|  | | | |
| User-6, Goal-8 | Description of Goal 8: Provide general administrative support to the gym | | Event Type |
| Workflow: | Event-1: | workflow of login process will be executed first. | UIE |
|  | Event-2: | If login successful, Sales Representative landing scene will be loaded | OP |
|  | Event-3: | Select the “Administrative Support” option. | UIE,OP |
|  | Event-4: | A new scene will appear, there the sales representative can provide administrative support by meeting inquiries of the administrative bodies in “Query-Box” option for giving suggestions, meeting queries. | UIE, OP, UID |

| User7 name: Administrator | | | |
| --- | --- | --- | --- |
| User-7, Goal-1 | Description of Goal 1: Administrator can add a new of user along with details | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL, UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the Administrator Dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select “User Information” option. It will take the user to a new scene. | UIE,OP |
|  | Event-4: | Select “Add a new User” button from the User Information scene. It will take the user to a new scene. | OP, UIE |
|  | Event-5: | The details of a new user can be inserted into the system. The name, address, unique ID and password are user input taken in respective text fields. The Gender can be selected using the radio button. The type of user can be selected using the combo box. The combo box will consist of 7 users which are Member, Maintenance Staff, Trainer, Nutritionist, Receptionist, Sales Representative and Physical Therapist. | UID,UID |
|  | Event-6: | If the user selects “Member” from the type of user combo box, some text fields and labels will appear which will take additional information such as Height, Age and Weight. | UID, DP |
|  | Event-7: | If the user selects “Trainer” from the type of user combo box, a text field and label will appear which will take additional information of working hours. | UID, DP |
|  | Event-8: | If the user presses the “Apply” button, the details of the new user will be added to the database in a text file. | UIE, DP, UIE |
|  | Event-9: | If the user wants to go back to the User Information scene, click on the "Back to User Information" button. This takes them back to the User Information scene. | UIE, UID, DP |
| User-7, Goal-2 | Description of Goal 2: Administrator can view an existing member’s details.  . | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL, UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the Administrator Dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select “User Information” option. It will take the user to a new scene. | UIE,OP |
|  | Event-4: | Select the “View User Information” button from the User Information scene. It will take the user to a new scene. | UID, UIE, DP, OP |
|  | Event-5: | The details of all the users will be displayed in a table on the scene. The table will consist of 5 columns of information with Name, Unique ID, Address, User Type and Gender. | DP, UID |
|  | Event-6: | There is also a text field and search button. If the user enters the name of a person and presses the search button, then the table will only display information of the searched person.  If a name is searched which does not exist in the database, then the table will show no content.  If nothing is written in the text field and searched, then the table will show the list of all the users with their details. | UID, UIE VL, VR |
|  | Event-7: | If the user wants to go back to the User Information scene, click on the "Back to User Information" button. This takes them back to the User Information scene. | UID,VL, VR |
| User-7, Goal-3 | Description of Goal 3: Administrator can edit an existing member’s details. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL, UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the administrator dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select “User Information” option. It will take the user to a new scene. | UIE,OP |
|  | Event-4: | Select the “Edit Existing User Information” button from the User Information scene. It will take the user to a new scene. | UIE, UID,DP |
|  | Event-5: | The first combo box will show the type of users which are Member, Maintenance Staff, Trainer, Nutritionist, Receptionist, Sales Representative and Physical Therapist. Selecting a user type will display the Names and Unique ID of that user type in the second combo box. | OP, UID |
|  | Event-6: | The “Changes Needed To be Made” section will ask for changes that need to be made for the selected user. The user type can be inserted in a combo box, gender in combo box, the name in a text field and address in a text field. | OP, UID |
|  | Event-7: | Pressing the “Update Button” will update the details of the user stored in the database. | UIE, DP, UID |
|  | Event-8: | If the user wants to go back to the User Information scene, click on the "Back to User Information" button. This takes them back to the User Information scene. | UID,VL, VR |
| User-7, Goal-4 | Description of Goal 4: Administrator can delete an existing member’s details. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL, UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the administrator dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select “User Information” option. It will take the user to a new scene. | UIE,OP |
|  | Event-4: | Select the “Delete User Information” button from the User Information scene. It will take the user to a new scene. | OP, UIE |
|  | Event-5: | The first combo box will show the type of users which are Member, Maintenance Staff, Trainer, Nutritionist, Receptionist, Sales Representative and Physical Therapist. Selecting a user type will display the Names and Unique ID of that user type in the second combo box. | UIE, UID |
|  | Event-6: | The third combo box will consist of some reasons for deleting the member. The user can check the reasons and select one reason from the combo box. | VR, UID |
|  | Event-7: | If a reason is missing in the combo box, the user can write the reason on his/her own words in a Text Area. | UID |
|  | Event-8: | Pressing the “Delete Button” will delete the details of the user stored in the database. | DP |
|  | Event-9: | If the user wants to go back to the Administrator Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |
| User-7, Goal-5 | Description of Goal 5: Administrator can arrange a meeting schedule with any staff member. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL, UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the administrator dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select the “Set Meeting Schedule” option. It will take the user to a new scene where the user can set a meeting schedule with a staff member. | UIE,OP |
|  | Event-4: | Select the first combo box to select the type of staff. The types of staff are:  Maintenance Staff, Trainer, Nutritionist, Receptionist and Physical Therapist" | UID |
|  | Event-5: | Select the second combo box to select the Name of the staff to call the meeting with. | UID |
|  | Event-6: | Create a date and time schedule using the date picker and the third combo box to set a date and time for the meeting respectively. | UID |
|  | Event-7: | The user can write the details of the meeting agenda in the text area. | UID |
|  | Event-8: | Press the “Set a Meeting” button to send notification to the staff selected. | UIE, UID |
|  | Event-9: | If the user wants to go back to the Administrator Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |
| User-7, Goal-6 | Description of Goal 6: Administrator can manage inventory and supplies for the gym which includes equipment, supplies and other necessary items. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL, UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the administrator dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select the “Check Inventory” option. It will take the user to a new scene. | UIE, OP |
|  | Event-4: | Insert the name of a new item in the “Item name” text field and the number of that item in the “Items added” text field under the “Add New Item” section and press the “Add” button. The new item will be added to the inventory. | UIE, UID DP |
|  | Event-5: | Insert the name of an existing item in the “Item name” text field and the number of that item in the “Update Item Quantity” text field under the “Update Item” section and press the “Update” button. The item will be updated to the inventory. | UID, UIE,OP |
|  | Event-6: | Insert the name of an existing item in the “Item name” text field under the “Item Availability” section and press the “Search” button. The quantity of that item available in the inventory will be shown. | UID, VR,OP, UIE |
|  | Event-7: | If the user wants to go back to the Administrator Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |
| User-7, Goal-7 | Description of Goal 7: Administrator can respond to a member’s complaints and inquiries. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL, UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the administrator dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select the “Complaint” option. It will take the user to a new scene where the user will be able to view the list of complaints. | UIE, OP |
|  | Event-4: | Select the “View Details” option. The user will be able to see the complaint message. | OP,DP, UID,UIE |
|  | Event-5: | Select “Enter Response” and to type the response and press the “Send” button to send the response to the member who complained. | UID, UIE |
|  | Event-6: | If the user wants to go back to the Administrator Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |
| User-7, Goal-8 | Description of Goal 8: Administrator can add gym policies. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL, UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the administrator dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select the “Policies” option. It will take the user to a new scene where the user will be able to view current policies. | UIE, OP |
|  | Event-4: | Select the “Add New Policy” option and it will take the user to a new scene. | UIE, OP |
|  | Event-5: | The user can write the description of a new policy and press the “Add” button to add the new policy to the Policy list. | UID, DP |
|  | Event-6: | If the user wants to go back to the Administrator Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |
| User-7, Goal-9 | Description of Goal 9: Administrator can set schedule for staff which includes trainers and receptionists. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL, UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the administrator dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select the “Schedule Trainer and Receptionist” option. It will take the user to a new scene where the user will be able to set a schedule for trainers and receptionists. | UIE, OP |
|  | Event-4: | The user can select a specific type of staff member using a combo box. | UID |
|  | Event-5: | The second combo box will provide the name of the staff that the user can set the schedule for. | UIE, OP |
|  | Event-6: | Select the date to assign the schedule using the date picker and to assign the time, the user can select a time slot given in the combo box just below the datepicker . | DID, UIE |
|  | Event-7: | Select the “Confirm” button to set the schedule for the user.. | UID,UIE,DP |
|  | Event-8: | If the user wants to go back to the Administrator Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |

| User8 name: Physical Therapist | | | |
| --- | --- | --- | --- |
| User-8, Goal-1 | Description of Goal 1: Physical therapists can create rehabilitation plans for members who have injuries. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL, UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the Physical Therapist dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select “Rehabilitiation Plan” and the user will be taken to a new scene where the user will be able to review a member’s rehabilitation history and goals. | DP |
|  | Event-4: | A list will show the names of the members along with the details of the injury. | UID |
|  | Event-5: | Select a member’s name from the combo box and make a rehabilitation plan for the member in the text area for description. | DP |
|  | Event-6: | Select the “Create plan” option to allow the user to save the rehabilitation plan to a member’s profile. | DP |
|  | Event-7: | If the user wants to go back to the Physical Therapist Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |
| User-8, Goal-2 | Description of Goal 2: Physical therapists can see a member’s progress towards their rehabilitation plan. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL, UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the Physical Therapist dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select “Rehabilitation Progress” and the user will be taken to a new scene. | DP |
|  | Event-4: | Select a member’s name from the combo box and provide feedback to the member. | DP |
|  | Event-5: | Select the “Send feedback” option to send the feedback to the user. | UID |
|  | Event-6: | If the user wants to go back to the Physical Therapist Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |
| User-8, Goal-3 | Description of Goal 3: Physical therapists can collaborate with nutritionists and prepare better rehabilitation plans for members. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL, UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the Physical Therapist dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | The user can write the new idea for the rehabilitation plan in the "Collaboration" text area. | UID |
|  | Event-4: | Select the "Send Idea to Nutritionist" button to send the new idea to the nutritionist. | UIE |
|  | Event-5: | Click on "Check Feedback from Nutritionist" to view the feedback given by the Nutritionist, which will be shown in the "Feedback" text area.. | UID,OP |
|  | Event-6: | If the user wants to go back to the Physical Therapist Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |
| User-8, Goal-4 | Description of Goal 4: Physical therapists can schedule and manage appointments with members. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL,UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the Physical Therapist dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | A list will show the names of the members who want to book an appointment. | DP |
|  | Event-4: | Select a member using the combo box so that the user can select for appointment. | PC |
|  | Event-5: | User uses the datepicker and the combo box to set time for the appointment. | UID |
|  | Event-6: | The user then clicks on “Make Appointment” to fix an appointment with the member. The member will receive a notification of the appointment. | DP |
|  | Event-7: | If the user wants to go back to the Physical Therapist Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |
| User-8, Goal-5 | Description of Goal 5: Physical therapists can respond to emergency treatment. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL,UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the Physical Therapist dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select “Emergency Treatment” and it will take the user to a new scene. | UIE,OP |
|  | Event-4: | A list will show the details when a member requires emergency assistance and sends a message to the physical therapist. | UID |
|  | Event-5: | Write the feedback on the text area of “Feedback”. | OP |
|  | Event-6: | Press the “Provide Emergency Treatment” button to send the feedback to the user. | DP |
|  | Event-7: | If the user wants to go back to the Physical Therapist Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |
| User-8, Goal-6 | Description of Goal 6: Physical therapists can set up milestones for each member and can monitor their progress through these milestones. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL,UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the Physical Therapist dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select the “Set Milestone” option. It will take the user to a new scene where the user can set milestones for members. | UID |
|  | Event-4: | Select a member’s name from the combo box to set the milestone to. | UID |
|  | Event-5: | The user can set milestones by typing the milestones in the text fields. | UID |
|  | Event-6: | Select the “Set Milestones” button to set the milestone and send it to the member. | UIE |
|  | Event-7: | If the user wants to go back to the Physical Therapist Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |
| User-8, Goal-7 | Description of Goal 7: Physical therapists can provide educational information to gym members about injury prevention and healthy living. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL,UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the Physical Therapist dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | A list will show the information about injury prevention and healthy living. | DP |
|  | Event-4: | The user can add new information by inserting the new information in the “Add New Information '' text area. | UID |
|  | Event-5: | Click the “Add to List” button to add the new information into the list. | UID |
|  | Event-6: | If the user wants to go back to the Physical Therapist Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |
| User-8, Goal-8 | Description of Goal 8: Physical therapists can offer wellness tips to the members. | | Event Type |
| Workflow: | Event-1: | Workflow of the login process will be executed first. | OP, VR, VL,UID,  UIE, DP |
|  | Event-2: | If login is successful, the user will be navigated to the Physical Therapist dashboard scene. If login is unsuccessful, then a message, “Wrong Login Credentials” will be displayed. | VR, VL, OP |
|  | Event-3: | Select the “Wellness Tip” option. It will take the user to a new scene where the user will be able to view current wellness tips provided for the members. | OP |
|  | Event-4: | Select the “Add New Tips” option and it will take the user to a new scene. | OP |
|  | Event-5: | The user can write the description of a new tip and press the “Add Wellness Tip” button to add the new tip to the Wellness Tip list. | OP |
|  | Event-6: | If the user wants to go back to the Physical Therapist Dashboard scene, click on the "Back to Dashboard" button. This takes them back to the dashboard scene. | UID,VL, VR |