



LET'S GET FIT!

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1. PROJECT CHARTER

1.1 Background Information:

Let's get fit! is designed as built environment for selection of any outdoor activity and location to do the activity. This application delivers a list of activities to a smartphone to be conveniently accessed anytime, anyplace. User will have a list of activities from which a selection can be made and the location can be reserved for a time period to do the activity. Live Event Notifications will be a key feature. This helps the User know about the activities or events taking place in the location on that particular day.

1.2 Scope:

The scope of the application is to make it easy for the User to know which is the nearest place to go do the activity. It consists of list of activities from which the User can select and the location where he can do the activity. It also allows the User to book time slots to use the location for that day and future dates. Convenience and flexibility are other factors. Information on details like costumes, shoes, racket, ball, etc must be brought to use the location booked is available. Any interesting activity events taking place at the location will also be notified to the User so that the user can go attend the same.

1.3 Assumptions:

1. The users must have Internet access whenever they want to use the product.
2. The users must have some minimal knowledge on the activity he wishes to do.
3. The user needs to know his/her Email ID and password of the application login.
4. The user needs to know how to reach the system within the application.
5. The user must have the knowledge to use his/her card to book the slot.

Features:

1. View different activities
2. Nearest location to do the activity
3. Mandatory rules and regulations to use the location
4. Book time slots to make reservations of the location
5. View Live Event Notifications
6. Tag with a team to do the activity

Stakeholders:

1. User
2. Team Member
3. Registrar

Resources:

1. Database Management team
2. Different activities and Locations
3. Software testing team

Budget:

Around USD \$20,000-\$35,000

1.4 Risk:

RISK	PROBABILITY	IMPACT	PRIORITY	ACTION
Not provided with expected Management support for testing.	3	4	12	Provide groups which involves QA testing, User Acceptance testing, SME Testing. Conduct demos to the domain expert to get approval for development.
Budget Constraints	3	5	15	The budget should be estimated well in advance by the Project Manager after understanding all requirements from the Team. If the budget planning is not done right, it might lead to Project termination, Descope of the project, loss of resources and effort spent.
Environmental factors - i.e hurricane, blizzard	3	4	12	Inorder to handle this risk, there must be back ups maintained for everything related to project information because this risk can lead to Hardware loss, loss of life & infrastructure, project delays, project loss, income loss.
Misunderstanding of Acceptance criteria	2	4	8	Create acceptance criteria document before the initial development of the software. Maintain weekly communication with key stakeholders.
Resources in the team not having expected knowledge or experience.	3	5	15	Trainings for the team, hiring skilled resources according to the requirement, setting clear expectations to the resources on what they should know, learn and work on.
Data loss / security breach	2	3	6	Train all employees regarding security protocols. Weekly, monthly backups of critical data. 2-step authentication for key personnel. Maintain local servers and key information in-house. Off-site backups. If a resource makes mistakes which leads to critical issue using a senior's credentials.
Employee health-dependency on key resource	1	5	5	Set up Knowledge transfers among the team members so that there is always a back up resource for anybody in the team.
Tight deadlines	4	1	4	Have proper estimations quoted well in advance when the new User story is taken into the sprint and update hiccups faced on daily basis so that there are no surprises in the end.
Software - Relying on alternate technology that could be delayed from customers, organizations, subcontractors, or other	3	4	12	When the project is taken, proper planning on what software is required, how many user accesses must be created, etc must be noted and worked upon well in advance.

parts from within the company				
Communication skills	1	2	2	The team members must have good communication skills as it matters a lot when talking to business and making them understand your point as Business will not have 100% technical knowledge. So communication plays a major role there. (Includes Emails as well)

2. SOFTWARE REQUIREMENTS SPECIFICATIONS:

Hardware Interfaces:

1. Screen resolution of at least 800X600 is required for proper and complete viewing of screens.
2. Higher resolution will be accepted.

Software Interfaces:

1. Any mobile device/IPAD in the platform of Android, Apple, MAC, Blueberry.
2. MySql Server Database.
3. Php and Javascript.

User Interfaces:

1. Registration Screen
2. Login Screen
3. Selection Screen

4. Activity Details Screen
5. Book Time Slot and Location Screen
6. Booked Slot Details Screen

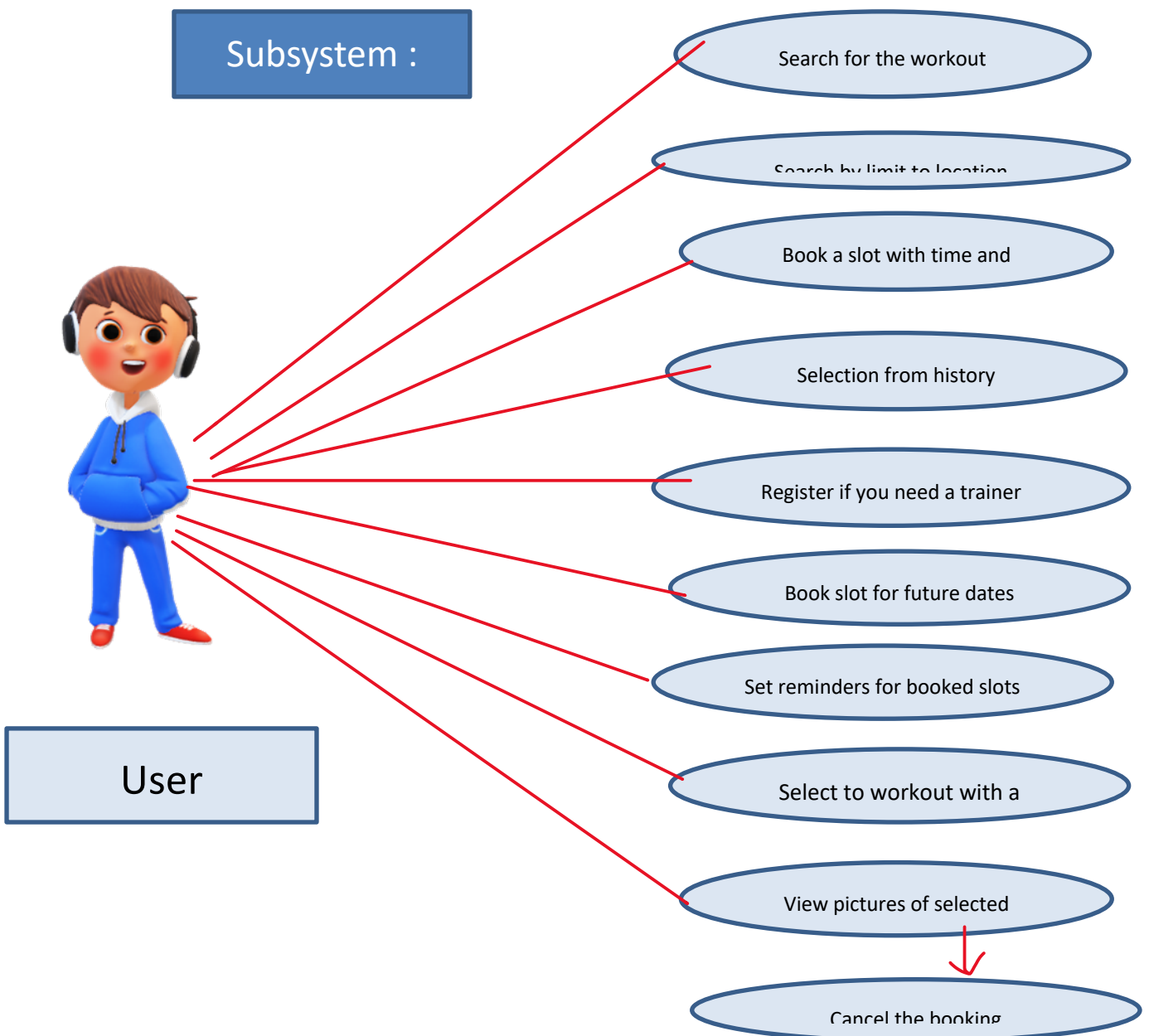
3. FUNCTIONAL REQUIREMENTS:

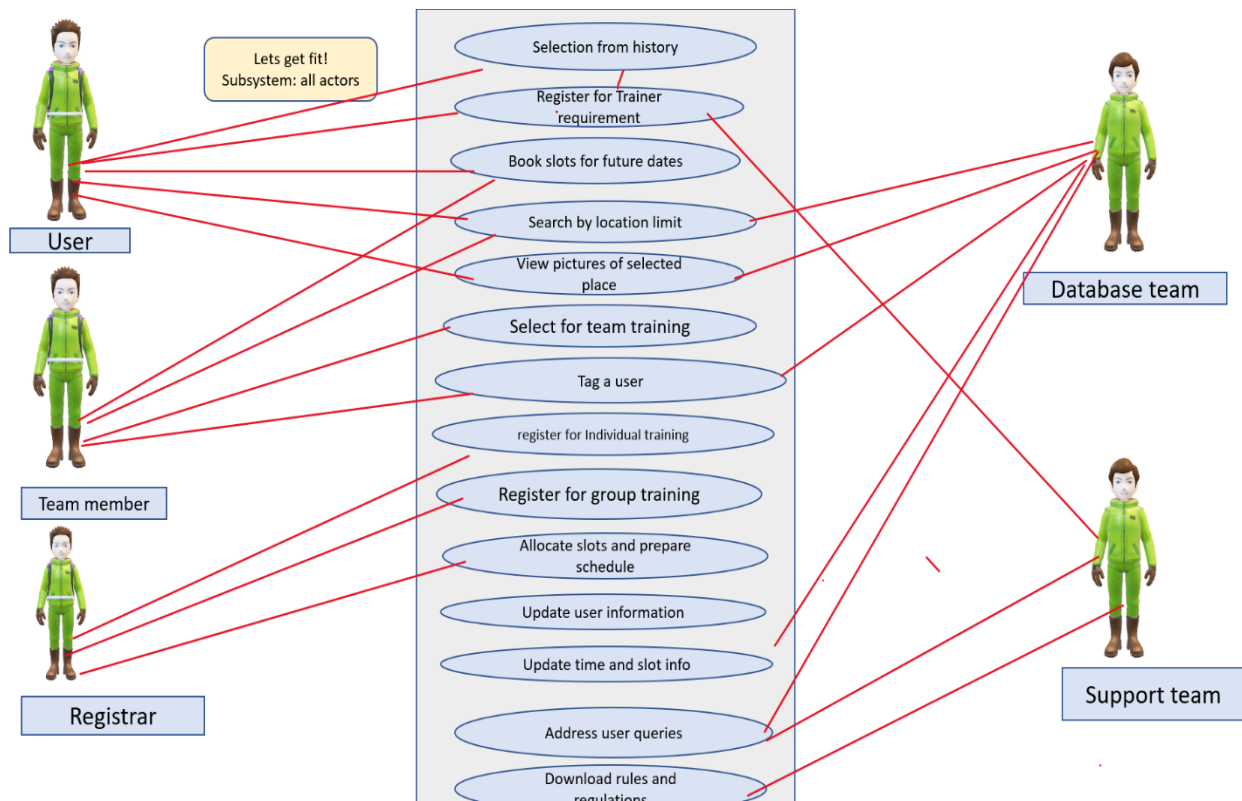
The Let's get fit! application has the following functionalities:

1. Activity
2. Filter on Location or kind of Activity
3. Rules and Regulations to use the location and to do the Activity
4. Slot Booking
5. Payment rules
6. Data source & elements
7. News about the events held.
8. Suggestions from previous bookings or Search History
9. Single Doer Registration
10. Tagging the doer to any team.
11. Pictures of the location selected is displayed.
12. Notifications on booked slot.
13. Slot booking at multiple locations without time clashes
14. Search based on Location

17. Elaborate on the ability to re-purpose wide variety of existing content (particularly multimedia content) including specifically animation, dynamic HTML, XML, JavaScript and Java.

3.1 UML USE CASE DIAGRAM:





Revision History

Version	Date	Revision Description
.01	07-12-2016	List of ten Use Cases
.02	16-12-2016	First three Use Case Templates
.03	12-25-2017	Next three Use case Templates
.04	03-25-2020	Completion of Use Case Templates
1.0	04-01-2020	Approved Use Case

Use case Lists:

Use Case ID	Primary Actor	Use Cases
1.2.1	User	Select an activity
2.2.1	User	Search for an activity by applying filter on location
3.2.1	User	Book time slot for the activity selected
4.2.1	User	Reminder for the slot booked
5.2.1	User	Information of Events
6.2.1	User	Register as a Single Doer
7.2.1	User	Book a time slot at two different locations for different time slots
8.2.1	User	Select a location from previous search history
9.2.1	Team Member	Search for a Team activity by applying filter on location
10.2.1	Team Member	Select a Team Activity

1 Feature Name (Activity Selection)

1.1 Feature Process Flow / Use Case Model

1.2 Use Case(s)

Use Case ID:	UC-1.2.1		
Use Case Name:	Select an activity		
Created By:	Mahima Shukla	Last Updated By:	1 st April,2020
Date Created:	13 th March, 2020	Last Revision Date:	1 st April,2020
Actors:		User is a primary actor and Database Team is a secondary actor	

Description:	After logging in to the application, the Users find a list of activities. The outcome is to allow the user to search easily and quickly from list of activities displayed.
Trigger:	System should display List of Activities when user gets login into the application.
Preconditions:	<ol style="list-style-type: none"> 1. User must be registered/must have an account to use to application. 2. User must have the application installed on his phone.
Postconditions:	<ol style="list-style-type: none"> 1. User can view the list of activities. 2. User selection will be displayed once it is made from the list or search bar.
Normal Flow:	<ol style="list-style-type: none"> 1. User enters valid email id and logs into the application. 2. User selects the activity from the list. 3. The app displays the activity selected. 4. The app displays all details in the activity like time slots, costume required, address of the gym/studio or area, etc
Alternative Flows:	<p>2a. In step 2 of the normal flow, if the user doesn't want to spend time by going through the entire list to search the activity</p> <ol style="list-style-type: none"> 1. User enters the name of the activity in the search bar 2. System validates if user entered the correct activity name 3. System displays the activity that is entered in the search bar 4. Use Case resumes on step 4 of the normal flow
Exceptions:	<p>2a. In step 2 of the normal flow, if the user enters an incorrect activity</p> <ol style="list-style-type: none"> 1. Application returns a message which says, "No Results Found", and asks the User to enter valid name. 2. User check the misspelled word and re type it. 3. Use Case resumes on step 4 of normal flow
Includes:	<ol style="list-style-type: none"> 1. Search the activity by entering the name in the application search bar or list displayed.

	2. View activity list and the activity selected.
Frequency of Use:	Every time the user wants to select an activity
Special Requirements(Non functional Requirements):	1. Availability
Assumptions:	1. Availability User has a phone that supports the Application 2. User has a valid email id to be registered in the app.
Notes and Issues:	

2 Feature Name (Searching for Activity with filter as Location)

2.1 Feature Process Flow / Use Case Model

2.2 Use Case(s)

Use Case ID:	UC-2.2.1		
Use Case Name:	Search for an activity by applying filter on location		
Created By:	Mahima Shukla	Last Updated By:	1 st April,2020
Date Created:	13 th March, 2020	Last Revision Date:	1 st April,2020
Actors:	User is a primary actor and Database team is a secondary actor		
Description:	User will be able to search the activity that he can do in a preferred location. When User applies the location filter, all the activities that is available in that location will be displayed.		
Trigger:	User must open the app and set a filter for search by location and enter preferred location.		
Preconditions:	User must have Location services turned on to detect the location he enters.		
Postconditions:	1. User will be able to view the list of activities in the location entered.		

	2. User will be able to select an activity from the list displayed.
Normal Flow:	1. User opens the Application. 2. User selects the apply filter option. 3. User selects search by location option in the filter. 4. Preferred Location is entered. 5. Application displays the list of activities in the location entered. 6. User selects an activity. 7. App displays all details of the activity like time slots, costumes required, address of the gym/studio or area, etc 8. Database team will be updating different Locations and Activities.
Alternative Flows:	4a. In the step 4 of normal flow, if the user does not enter any location 1. User current location will be displayed by default. 2. User selects his current location. 3. Use case resumes on step 5 in the normal flow.
Exceptions:	4a. In the step 4 of the normal flow, if the location services is turned off on the User's phone, 1. A message "Turn-on Location Services" will be displayed 2. User navigates to settings and does the same. 3. Use case resumes on step 4 of the normal flow.
Includes:	1. Current Location Detection. 2. List of Activities available for that Location.
Frequency of Use:	Every time the User wishes to search for an activity based on his current location.
Special Requirements(Non	1. Usability 2. Testing 3. Style

functional Requirements):	
Assumptions:	User has location services option supported by his phone.
Notes and Issues:	If there is no activity displayed for the selected location, will the activities for next nearest location be displayed?

3 Feature Name (Book Time slot for the activity)

3.1 Feature Process Flow / Use Case Model

3.2 Use Case(s)

Use Case ID:	UC-3.2.1		
Use Case Name:	Book time slot for the activity selected		
Created By:	Mahima Shukla	Last Updated By:	1 st April,2020
Date Created:	13 th March,2020	Last Revision Date:	1 st April,2020
Actors:	User is a primary actor and Database team is a secondary actor.		
Description:	User will be able to select a time slot for that activity and book the slot.		
Trigger:	User must open the app and select the activity.		
Preconditions:	1.User must be registered/must have an account to use to application. 2. User must have the application installed on his phone. 3. User activity selection must be made.		
Postconditions:	1.User will be able to view the time slots available for the activity selected. 2. User will be able to select a time slot for that day and the future dates.		
Normal Flow:	1. User opens the Application. 2. User selects an activity. 3. The app displays the activity selected.		

	<p>4. User taps on the activity displayed</p> <p>5. The Application displays activity details page where details like time slots, costumes required, address of the gym/studio or area, etc</p> <p>6. User can select a time slot to do the activity using the Calendar icon to select the date.</p> <p>7. Timeslot for the selected date will be booked</p> <p>8. Database team makes the desired changes and updates the user's slot information.</p>
Alternative Flows:	
Exceptions:	<p>6a. In the step 6 of the normal flow, if the User tries to select a previous date from the current day,</p> <p>1.Previous dates in the calendar will be inactive by default and User will not be able to select.</p> <p>2. User selects current date or future date.</p> <p>3 Use case resumes on step 7 of the normal flow.</p>
Includes:	<p>1.Calendar icon to select date.</p> <p>2.Time slot list as dropdown.</p>
Frequency of Use:	Every time User wants to book a slot.
Special Requirements(Non functional Requirements):	<p>1. Performance</p> <p>2. Testing</p> <p>3. Capacity</p>
Assumptions:	<p>1. User has a phone that supports the application</p> <p>2. User has a valid email id to be registered in the app</p>
Notes and Issues:	

4 Feature Name (Reminder for time slot booked)

4.1 Feature Process Flow / Use Case Model

4.2 Use Case(s)

Use Case ID:	UC- 4.2.1		
Use Case Name:	Reminder for the slot booked		
Created By:	Mahima Shukla	Last Updated By:	1 st April,2020
Date Created:	13 th March, 2020	Last Revision Date:	1 st April,2020
Actors:	User is a primary actor		
Description:	User will receive reminder for the slot booked.		
Trigger:	User must open the app, select the activity and book a slot.		
Preconditions:	1.User must be registered/must have an account to use to application. 2. User must have the application installed on his phone. 3. Slot must be booked.		
Postconditions:	User will receive reminder for the booked slot.		
Normal Flow:	1. User opens the application. 2. User selects an activity. 3. The App displays the activity selected. 4. User taps on the activity displayed 5. The app displays activity details page where details like time slots, costumes required, address of the gym/studio or area, etc 6. User can select a time slot to do the activity using the Calendar icon to select the date. 7. Timeslot for the selected date will be booked.		

	8. Receive reminder option is selected. 9. The app sends reminder on the day of the slot booked.
Alternative Flows:	8a. In the Step 8 of the normal flow, if the Receive reminder option is not selected, 1. Reminder will not be sent on the day when the slot is booked.
Exceptions:	
Includes:	1. Receive reminder option to select.
Frequency of Use:	Whenever user wants to receive reminder for the slot booked.
Special Requirements(Non functional Requirements):	1. Reliability 2. Accuracy 3. Maintainability 4. Testing
Assumptions:	
Notes and Issues:	Will the reminder be an Email or Message?

5 Feature Name (Information regarding Events)

5.1 Feature Process Flow / Use Case Model

5.2 Use Case(s)

Use Case ID:	UC -5.2.1		
Use Case Name:	Information of Events		
Created By:	Mahima Shukla	Last Updated By:	1 st April,2020
Date Created:	13 th March, 2020	Last Revision Date:	1 st April,2020
Actors:	User is a primary actor and Database Team is a secondary actor		

Description:	The Information regarding any activity events taking place at the selected location will be displayed when the User is booking a slot. If the User is interested, he/she might view all the information on the Event and attend the same if interested.
Trigger:	User must open the app, select the activity and book a slot.
Preconditions:	<ol style="list-style-type: none"> 1. User must be registered/must have an account to use to application. 2. User must have the application installed on his phone. 3. User must be on the slot booking page.
Postconditions:	<ol style="list-style-type: none"> 1. User will receive notification on the Event taking place and can view information on the same.
Normal Flow:	<ol style="list-style-type: none"> 1. User opens the application. 2. User selects an activity. 3. The App displays the activity selected. 4. User taps on the activity displayed. 5. The app displays activity details page where details like time slots, costumes required, address of the gym/studio or area, etc 6. User can select a time slot to do the activity using the Calendar icon to select the date. 7. Timeslot for the selected date is booked. 8. The app displays information about any event taking place at the venue selected.
Alternative Flows:	
Exceptions:	<ol style="list-style-type: none"> 8a. In the step 8 of the normal flow, if there is no event taking place on the day the slot is booked by the User, <ol style="list-style-type: none"> 1. "No Events on this day" message is displayed.
Includes:	<ol style="list-style-type: none"> 1. A separate section to store the information of the events and keep it updated.
Frequency of Use:	Every time the user books a slot.

Special Requirements(Non functional Requirements):	1. Ease of use 2. Event Information 3. Access
Assumptions:	This application will allow all customers to view the Event Information.
Notes and Issues:	Is it necessary for the User to select the location to view the Event Information? Will it not be displayed on Homepage?

6 Feature Name (Single Doer Registration)

6.1 Feature Process Flow / Use Case Model

6.2 Use Case(s)

Use Case ID:	UC-6.2.1		
Use Case Name:	Register as a Single Doer		
Created By:	Mahima Shukla	Last Updated By:	1 st April,2020
Date Created:	13 th March,2020	Last Revision Date:	1 st April,2020
Actors:	User is a primary actor and Database team is a secondary actor.		
Description:	User will be able to register himself as a single doer for the team activity he wishes to do. Example: Basketball. The app will tag him/her to a team in the same activity and for the same time slot as theirs.		
Trigger:	User must select the option single doer during the time of activity selection.		
Preconditions:	1. User must be registered/must have an account to use to application. 2. User must have the application installed on his phone. 3. User must select an activity which is a team activity. Example: Yoga		
Postconditions:	User will be tagged to a team in the activity selected.		

Normal Flow:	<ol style="list-style-type: none"> 1. User opens the application. 2. User selects an activity. 3. The App displays the activity selected. 4. User taps on the activity displayed. 5. The app displays activity details page where details like time slots, costumes required, address of the gym/studio or area, etc 6. User can select a time slot to do the activity using the Calendar icon to select the date. 7. User selects single doer option and books a time slot 8. App displays the information of other teams for the activity 9. User is tagged to the team
Alternative Flows:	
Exceptions:	<p>12a. In the step 12 of the normal flow, if there are no teams doing on the same day and time</p> <ol style="list-style-type: none"> 1. Application displays a message “No teams available” message. 2. User will not be able to do that activity in the location selected as it is a team activity and there are no teams available.
Includes:	<ol style="list-style-type: none"> 1. Single Doer option to select while selecting activity and booking slot
Frequency of Use:	Every time the User wants to do an activity as a team and the user is a single doer and has no team of his own
Special Requirements(Non functional Requirements):	<ol style="list-style-type: none"> 1. Reliability 2. Testing
Assumptions:	<ol style="list-style-type: none"> 1. User has a phone that supports the application 2. User has a valid email id to be registered in the app.
Notes and Issues:	

7 Feature Name (Slot booking at multiple locations)

7.1 Feature Process Flow / Use Case Model

7.2 Use Case(s)

Use Case ID:	UC-7.2.1		
Use Case Name:	Book a time slot at two different locations for different time slots		
Created By:	Mahima Shukla	Last Updated By:	1 st April,2020
Date Created:	13 th March,2020	Last Revision Date:	1 st April,2020
Actors:	User is a primary actor and Database Team is a secondary actor		
Description:	Here the User will be able to Book a time slot at two different locations for different time slots.		
Trigger:	User must open the app and select the activity and one time slot must be booked		
Preconditions:	1. User must be registered/must have an account to use to application. 2. User must have the application installed on his phone. 3. User must have already booked one slot		
Postconditions:	User will be able to Book a time slot either at the same location but different time or a different location and different time slot.		
Normal Flow:	1. User opens the Application. 2. User selects an activity. 3. The app displays the activity selected. 4. User taps on the activity displayed. 5. The Application displays activity details page where details like time slots, costumes required, address of the gym/studio or area, etc 6. User can select a time slot to do the activity using the Calendar icon to select the date. 7. Timeslot for the selected date will be booked		

	<p>8. User selects another time slot in same location and he will book another slot.</p> <p>9. Database team makes the desired changes and updates the user's slot information.</p>
Alternative Flows:	<p>8a. In the step 8 of the normal flow, if the User selects a different location to book a slot,</p> <p>1. Time slot for the next location selected will be displayed and the User can book a time slot.</p>
Exceptions:	<p>8a. In the step 8 of the normal flow, if the User selects a different location and the same time slot (already booked) to book a slot,</p> <p>1. A message "There is already a booking for the time selected" will be displayed.</p>
Includes:	
Frequency of Use:	Every time the User wants to book multiple slots
Special Requirements(Non functional Requirements):	<p>1. Adaptability</p> <p>2. Availability</p>
Assumptions:	
Notes and Issues:	

8 Feature Name (Selection from Search History)

8.1 Feature Process Flow / Use Case Model

8.2 Use Case(s)

Use Case ID:	UC-8.2.1		
Use Case Name:	Select a location from previous search history		
Created By:	Mahima Shukla	Last Updated By:	1 st April,2020
Date Created:	13 th March,2020	Last Revision Date:	1 st April,2020
Actors:	User is a primary actor.		
Description:	If the User is a frequent user of the App, the booking history will be saved and the next time the User initiates a booking, location history will be displayed after the activity is selected which makes it easy for the User to go ahead and book a slot.		
Trigger:	Database team will be uploading the previous booking history.		
Preconditions:	1. User must have already made bookings at least more than once to view the history from the next time.		
Postconditions:	1. Database team should upload the previous booking history. 2. User will be able to view history of bookings from which the location can be selected.		
Normal Flow:	1. User opens the Application. 2. User selects an activity. 3. The app displays the activity selected. 4. User taps on the activity displayed. 5. The Application displays activity details page where details like time slots, costumes required, address of the gym/studio or area, etc 6. User can select a time slot to do the activity using the Calendar icon to select the date. 7. Timeslot for the selected date will be booked.		

	8. User repeats Step 1 to 7 the next time he wants to book, previously selected location and other details will be displayed and the same can be directly selected.
Alternative Flows:	
Exceptions:	7a. In the step 7 of the normal flow, if the User is booking for the first time, 1. No results from history will be displayed
Includes:	1. Details of the location of previous bookings 2. Details of the Activity selected previously
Frequency of Use:	Every time the User books a slot for the second time and above that.
Special Requirements(Non functional Requirements):	1. Appearance 2. Understandability 3. Supportability 4. Quality
Assumptions:	User has already used the app and made at least one booking.
Notes and Issues:	

9 Feature Name (Search for a Team Activity based on Location)

9.1 Feature Process Flow / Use Case Model

9.2 Use Case(s)

Use Case ID:	UC-9.2.1		
Use Case Name:	Search for a Team activity by applying filter on location		
Created By:	Mahima Shukla	Last Updated By:	1 st April,2020
Date Created:	13 th March,2020	Last Revision Date:	1 st April,2020
Actors:	Team Member is a primary actor and the Database Team is the secondary actor.		
Description:	Team Member will be able to search the activity that the team can do in a preferred location. When Team Member applies the location filter, all the activities that is available in that location will be displayed.		
Trigger:	Team Member must open the app and set a filter for search by location and enter preferred location.		
Preconditions:	1.Team Member must have Location services turned on to detect the location he enters 2.Team Member must select an activity that has to be done in a Team		
Postconditions:	1. Team Member will be able to view the list of activities in the location entered. 2. Team Member will be able to select an activity from the list displayed.		
Normal Flow:	1. Team Member opens the Application. 2. Team Member selects the apply filter option. 3. Team Member selects search by location option in the filter. 4. Preferred Location is entered. 5. Application displays the list of activities in the location entered. 6. Team Member selects a team activity.		

	<p>7. App displays all details of the activity like time slots, costumes required, address of the gym/studio or area, etc</p> <p>8. Database team will be updating different Locations and Activities.</p>
Alternative Flows:	<p>4a. In the step 4 of normal flow, if the Team Member does not enter any location,</p> <ol style="list-style-type: none"> 1. Team Member current location will be displayed by default. 2. Team Member selects his current location. 3. Team Member case resumes on step 5 in the normal flow.
Exceptions:	<p>4a. In the step 4 of the normal flow, if the location services is turned off on the Team Member's phone,</p> <ol style="list-style-type: none"> 1. A message "Turn-on Location Services" will be displayed 2. Team Member navigates to settings and does the same. 3. Use case resumes on step 4 of the normal flow.
Includes:	<ol style="list-style-type: none"> 1. Current Location Detection. 2. List of Activities available for that Location.
Frequency of Use:	Every time the Team Member wishes to search for an activity based on his current location.
Special Requirements(Non functional Requirements):	<ol style="list-style-type: none"> 1. Accuracy 2. Speed 3. Supportability
Assumptions:	Team Member has location services option supported by his phone.
Notes and Issues:	If there is no activity displayed for the selected location, will the activities for next nearest location be displayed?

10 Feature Name (Team Activity Selection)

10.1 Feature Process Flow / Use Case Model

10.2 Use Case(s)

Use Case ID:	UC-10.2.1		
Use Case Name:	Select a Team Activity		
Created By:	Mahima Shukla	Last Updated By:	1 st April,2020
Date Created:	13 th March,2020	Last Revision Date:	1 st April,2020
Actors:	Team Member is a primary actor and Database Team is a secondary actor		
Description:	<p>After logging in to the application, the Team Member finds a list of activities.</p> <p>The outcome is to allow the user to search easily and quickly from list of activities displayed.</p>		
Trigger:	System should display List of Activities when Team Member logs into the application.		
Preconditions:	<p>1. Team Member must be registered/must have an account to use to application.</p> <p>2. Team Member must have the application installed on his phone.</p>		
Postconditions:	<p>1. Team Member can view the list of activities.</p> <p>2. Team Member selection will be displayed once it is made from the list or search bar.</p>		
Normal Flow:	<p>1. Team Member enters valid email id and logs into the application.</p> <p>2. Team Member selects the activity from the list.</p> <p>3.The app displays the activity selected.</p> <p>4.The app displays all details in the activity like time slots, costume required, address of the gym/studio or area, etc</p>		

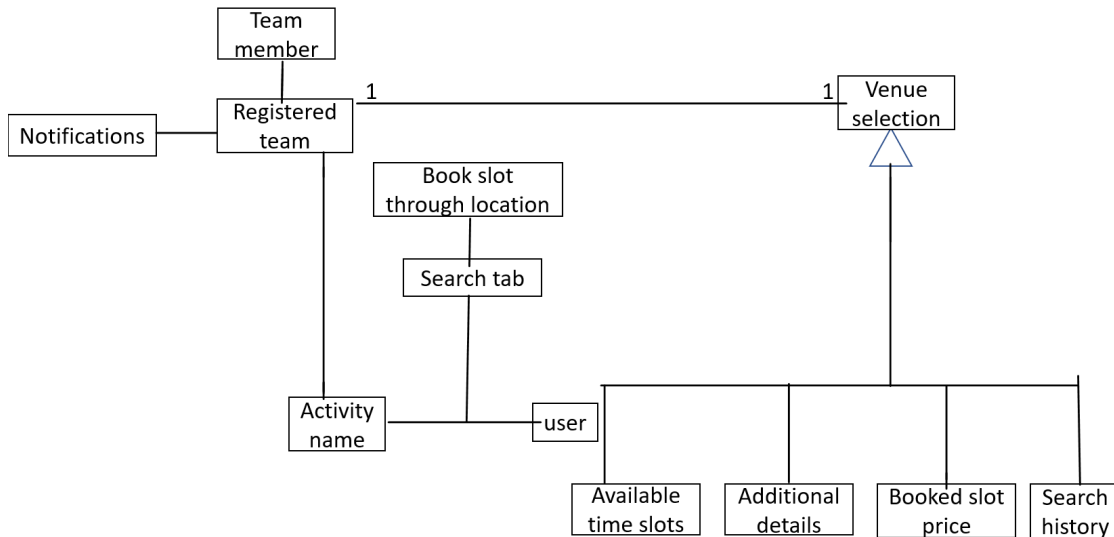
Alternative Flows:	<p>2a. In step 2 of the normal flow, if the user doesn't want to spend time by going through the entire list to search the activity</p> <ol style="list-style-type: none"> 1. Team Member enters the name of the activity in the search bar 2. System validates if user entered the correct activity name 3. System displays the activity that is entered in the search bar 4. Use Case resumes on step 4 of the normal flow
Exceptions:	<p>2a. In step 2 of the normal flow, if the user enters an incorrect activity</p> <ol style="list-style-type: none"> 4. Application returns a message "No Results Found" and asks the Team Member to enter valid name. 5. Team Member check the misspelled word and re type it. 6. Use Case resumes on step 4 of normal flow
Includes:	<ol style="list-style-type: none"> 1. Search the activity by entering the name in the application search bar or list displayed. 2. View activity list and the activity selected.
Frequency of Use:	Every time the user wants to select an activity
Special Requirements(Non functional Requirements):	<ol style="list-style-type: none"> 1. Availability
Assumptions:	<ol style="list-style-type: none"> 1. Availability User has a phone that supports the Application 2. User has a valid email id to be registered in the app.
Notes and Issues:	

4. NON-FUNCTIONAL REQUIREMENTS:

1. Availability.
2. Usability.
2. Testing.
4. Style.
5. Capacity.
6. Performance.
7. Reliability.
8. Accuracy.
9. Maintainability.
10. Ease of use.
11. Activities Requirements.
12. Adaptability.
13. Appearance.
14. Understand ability.
15. Supportability.
16. Speed.
17. Robustness.

5. DOMAIN CLASS MODEL:

5.1 UML DIAGRAM:



6. TEST PLAN:

Revision History

Revision	Date	Author	Description
0 v1	4-01-2020	Jane Doe	Initial Draft
1 v2	4-02-2020	Jane Doe	Unit & Functional Testing
2 v3	4-23-2020	Jane Doe	Approved

6.1 INTRODUCTION:

The approach described in this document provides the scheme for all testing related to this application.

6.2 Scope

The overall objective of testing is to ensure that the “Let’s get fit!” application meets all its functional requirements. The purpose of this document is to describe the overall test plan and strategy for testing the application. The approach described in this document provides the scheme for all testing related to this application. Individual test cases are written to test functionality of the application.

6.3 References

Let’s get fit! application.

Test cases and overall test conditions

User Actions/ Expected Results
<p><TC01/ST001 > < User enters the activity in the search field and selects from the search results displayed ></p> <p>To verify that the User can select an activity by entering its name in the Search Tab.</p>
<p>1. Testing whether the activity is displayed works</p>
<p>Preconditions:</p> <ol style="list-style-type: none"> 1. User must have the app installed in his/her phone 2. User must be registered with valid Email ID.

3. Android/ iPhone mobile device active internet connection is required.
4. Valid Activity Name is needed.

Test Steps:

1. Login to the App using valid Email ID.
2. After successful login, the User is signed in and the User enters the name of the activity he/she is interested in the Search Tab.
3. User selects the activity displayed in the Search results.

Expected Results:

1. Login must be successful, and the homepage must be displayed.
2. The activity entered must be displayed in the search results.
3. The activity details page must be displayed when the activity is selected from the search results.

<TC02/STS002 > <Test whether the User can book a slot successfully in any location >

To verify that the User can successfully book a time slot in the location he wants to do the activity

Preconditions:

1. Android/ iPhone mobile device with active internet connection is required.
2. User must have the app installed in his/her phone.
3. User must be registered with valid Email ID.
4. User must have made the activity selection.

Test Steps:

1. Login to the App using valid Email ID.
2. After successful login, the User is signed in and the User enters the name of the activity he/she is interested in the Search Tab.
3. User selects the activity displayed in the Search results.
4. In the activity details page, User selects "Book slot" option.
5. Time slot is selected.
6. "Confirm to book" option is selected.

Expected Results:

1. Login must be successful, and the homepage must be displayed.
2. The activity entered must be displayed in the search results.
3. The activity details page must be displayed when the activity is selected from the search results.
4. Time slots available will be displayed.
5. Time slot selection is highlighted.
6. "Booking successful" message is displayed, and the booking is confirmed for the time slot selected.

6.4 Test Cases:

Test Case	Test Cases(4)
Revision:	0
Author:	JANE DOE
Date Created:	04-24-2020
Description:	This test exercises the changes implemented in SP# for capability X.

Revision History:

Date	Revision	Author	Revision Description	Reviewed by
	0		Initial Draft	
04/19/2020	v1	Jane Doe	1. Changed "Steps" to "Test Steps" 2. Added numbering format for Preconditions and Test Steps	ADITHYA

Test Case Result:

Test Date	Tested By	Test Result	Configuration Tested
04-20-2020	ADITHYA	PASS	Yes

Referenced Documents:

No.

Assumptions/Notes

No.

Definitions:

The following acronyms and abbreviations are used in this document:

Acronym	Definition
TC001	Test Case 1
TC002	Test Case 2

Acronym	Definition
ST001-004	Let's get fit! (SCR no)

<TC01/ST001 > < User enters the activity in the search field and selects from the search results displayed >

To verify that the User can select an activity by entering its name in the Search Tab.

2. Testing whether the activity is displayed works

Preconditions:

- 1. User must have the app installed in his/her phone
- 2. User must be registered with valid Email ID.
- 3. Android/ iPhone mobile device active internet connection is required.
- 4. Valid Activity Name is needed.

Test Steps:

- 1.Login to the App using valid Email ID.
- 2. After successful login, the User is signed in and the User enters the name of the activity he/she is interested in the Search Tab.
- 3. User selects the activity displayed in the Search results.

Expected Results:

- 1. Login must be successful, and the homepage must be displayed.
- 2. The activity entered must be displayed in the search results.
- 3. The activity details page must be displayed when the activity is selected from the search results.

<TC02/STS002 > <Test whether the User can book a slot successfully in any location >

To verify that the User can successfully book a time slot in the location he wants to do the activity

Preconditions:

1. Android/ iPhone mobile device with active internet connection is required.
2. User must have the app installed in his/her phone.
3. User must be registered with valid Email ID.
4. User must have made the activity selection.

Test Steps:

1. Login to the App using valid Email ID.
2. After successful login, the User is signed in and the User enters the name of the activity he/she is interested in the Search Tab.
3. User selects the activity displayed in the Search results.
4. In the activity details page, User selects "Book slot" option.
5. Time slot is selected.
6. "Confirm to book" option is selected.

Expected Results:

1. Login must be successful, and the homepage must be displayed.
2. The activity entered must be displayed in the search results.
3. The activity details page must be displayed when the activity is selected from the search results.
4. Time slots available will be displayed.
5. Time slot selection is highlighted.
6. "Booking successful" message is displayed, and the booking is confirmed for the time slot selected.

Content Details for this level of test plan:

Test Cases:

Testing whether Activity Selection is successful.

Testing whether booking a Time slot at preferred location is successful.

Approvals:

We have carefully assessed the Use Cases for this project. This document has been completed in accordance with the requirements of the System Development Methodology.

MANAGEMENT CERTIFICATION - Please check the appropriate statement.

____(Accepted)____ the document is accepted.

____ the document is accepted pending the changes noted.

____ the document is not accepted.

We fully accept the changes as needed improvements and authorize initiation of work to proceed. Based on our authority and judgment, the continued operation of this system is authorized.

(* = Required ** = Submit for Review Approval Not Required)

NIDHI SHUKLA

4-26-2020

Executive Sponsor**

DATE

SUKANYA

4-26-2020

Project Sponsor*

DATE

MANSI

4-27-2020

Quality Assurance Manager / Team Lead*

DATE

VARSHA TIWARI

4-27-2020

Business Analyst Manager / Team Lead*

DATE

ANJANA REDDY

4-27-2020

Project Manager

DATE

7. Stakeholder Sign-Off Page:

Process User			
	(name)	(signature)	(date)
Reviewed By			
Process Developer			
	(name)	(signature)	(date)
Approved By			
Process Manager			
	(name)	(signature)	(date)

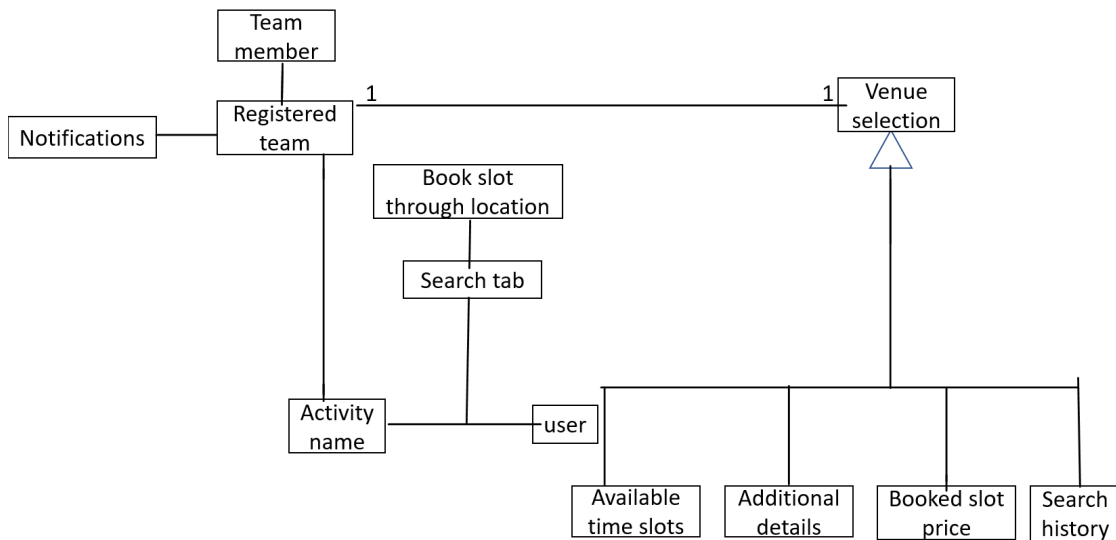
8. APPENDIX (PRESENTATION SLIDES):

Opportunities

- Any activity selection
- Details of the requirements to do the activity
- Workout events taking place in that location
- Single user registration to tag with a team

HIGH LEVEL FEATURES

- Activity information
- Suitable location for activity
- Mandatory rules to follow to use the location
- Events and team information at the location



Benefits

1. Easy to access and configure
2. Live event notifications
3. Time saving
4. Flexibility
5. Promotes healthy living