**Supplementary Requirement Release 2**

1. **ET-Ex - External Entitlements**

**Scope:**

* UC 04.03 Schedule Appointment
* UC 4.04 Access Routine
* UC 05.01 Display Fitness Activity
* UC 05.03 List User Goals

**Requirements:**

* App should check user authentication to ensure that only authorized users can access the functionality provided by the use cases for that user.
* Fitness enthusiasts can access data related to them and fitness trainers/dietitians can track data of only subscribed users. They should not be able to access data of any other users.
* App should ensure that any personal data related to users, or their fitness activities is protected from unauthorized access.

**Conditions to Apply:**

After the respective join points

1. **FV - Field Validation Requirements**

2.1 Field “Date”:

**Scope:**

* UC 04.03 Schedule Appointment

**Requirements:**

* User must select present or future date.
* If user selects date in past, system shows error ‘Please select valid date. Past appointments are not allowed’.

**Conditions to Apply:**

After the respective join points

2.2 Field “Time”:

**Scope:**

* UC 04.03 Schedule Appointment

**Requirements:**

* User must select time in between available hours.
* If user selects time other than available hours or date and time on which appointment is already scheduled, system shows error ‘Appointment not available on this time’.

**Conditions to Apply:**

After the respective join points

1. **CN - Connectivity**

**Scope:**

* UC 04.01 List Coaches
* UC 04.02 Subscribe Coach
* UC 04.03 Schedule Appointment
* UC 04.04 Access Routine
* UC 05.01 Display Fitness Activity
* UC 05.02 Display Diet Analysis
* UC 05.03 List User Goals

**Requirements:**

* System should also show a popup window with an error message, “Connection failed, please try again later” when front-end is not connected to back-end.
* The system should be designed to ensure that users always have access to the network to ensure that they can access the functionality provided by the use cases when needed.
* App should show messages as well as errors to users provided by front-end if any connectivity problem occurs.

**Conditions to Apply:**

After the respective join points

1. **DF-In - Data Flow In**

**Scope:**

* UC 04.04 Access Routine
* UC 05.01 Display Fitness Activity

**Requirements:**

* Data must be available in a database for the user so that data can flow from database to user’s system.
* The system should handle errors and provide error messages to users when errors occur during data flow from system to user or any connectivity problem occurs.

**Conditions to Apply:**

After the respective join points.

1. **SI-In System Interface (inbound)**

**Scope:**

* UC 04.01 List Coaches
* UC 04.03 Schedule Appointment

**Requirements:**

* The system should be able to access user’s system resources like date selector, time selector and present date time of the user’s system.
* The system should handle errors and provide error messages to users when errors occur during data flow from user’s device and user’s app.

**Conditions to Apply:**

After the respective join points

1. **SI-Out - System Interface (outbound)**

**Scope:**

* UC 04.03 Schedule Appointment
* UC 05.03 List User Goals

**Requirements:**

* User’s system must be connected to the backend, so that after successfully scheduling an appointment or listing user goals, system should be able to send this data to backend.

**Conditions to Apply:**

After the respective join points