

Group 3 - Zac Fermanis

CS 633 | Boston univesity | Spring 2018

Use Cases

Term project - Health & Fitness app

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| **Use Case Name** | Register account | | | |
| **Actor** | User (Customer User, Trainer User, Administrator) | | | |
| **Description** | This use case describes the sequence of steps for the actors and the system responses for creating a registration in the Fit For Me app. | | | |
| **Preconditions** | The actor has not logged in to the system  The actor has a valid e-mail address | | | |
| **Cross Reference** | Requirement 154705133 | | Requirement 154706540 | |
| Requirement 155113518 | | Requirement 155113497 | |
| Requirement 154705132 | |  | |
| **Typical Course of Events** | **Step** | **Actor Actions** | **Step** | **System Actions** |
| 1. | The actor accesses *Fit For Me* | 2. | The system displays the home page |
| 3. | The actor clicks register link | 4. | The system displays the registration page |
| 5. | The actor selects a type of user account (customer or trainer) |  |  |
| 6. | The actor enters a user name | 7. | The system checks whether the user name already exists. |
| 8. | The actor enters a password and confirms the password | 9. | The system checks that the two passwords are the same and that the password meets complexity requirements. |
| 10. | The actor enters additional details (e-mail address, name, age, gender, location) to complete profile | 11. | The system saves profile details and sends verification email with link to confirm e-mail address. |
| 12. | The actor opens e-mail and clicks verification link. | 13. | The system displays verification complete message and redirects to login page |
| 14. | The actor enters user name and password and clicks login | 15. | The system authenticates user and displays landing page |
| **Alternate Courses** | The actor cancels the registration.  The actor completes registration with SSO (Facebook or Google).  The system displays an error message because user name or password validation fails and requests re-entry of invalid information.  The actor does not verify the e-mail account and the system deletes the account after 5 days. | | | |
| **Assumptions** | Related use cases, e.g. SSO authentication, Login validation, Personal trainer verification and Delete Profile, are separate use cases and not in the scope of documentation deliverables for this term project. | | | |
| **Post Conditions** | If the actor follows the typical course of events, the user profile is saved to the system database and the user is logged in | | | |
| **Remarks** | This narrative use case format is based on the lecture notes, where the original format referenced is taken from Whitten & Bentley, 2007, pp. 386-387. | | | |

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| **Use Case Name** | Design a workout plan | | | |
| **Actor** | Customer User | | | |
| **Description** | This use case describes the sequence of steps for the actors and the system responses for selecting and customizing a workout routine in the Fit For Me app. | | | |
| **Preconditions** | The actor has logged in to the system  Exercise routines exist in the database | | | |
| **Cross Reference** | Requirement | | Requirement | |
| Requirement | | Requirement | |
| **Typical Course of Events** | **Step** | **Actor Actions** | **Step** | **System Actions** |
| 1. | The actor selects find a workout plan | 2. | System displays the exercise plan page |
| 3. | The actor filters the exercises by muscle group, e.g. biceps, or by training type, e.g. cardio. | 4. | System displays pre-loaded and existing user-defined exercises |
| 5. | The actor clicks on a specific exercise to get additional information | 6. | System displays detailed exercise information, including textual and visual descriptions of how to complete the exercise, equipment required to complete the exercise, and allows the actor to set goals for the exercise as well as intervals between sets, if applicable. |
| 7. | The actor reviews exercise and enters goals. | 8. | System saves goals. |
| 9. | The actor selects the plan workout function. | 10. | System displays existing workout routines and their corresponding days of the week as well as free days. |
| 11. | The actor adds exercise routine to a specific weekday | 12. | System saves the selection to the actor’s My Workout plan |
| 13. | The actor accesses My Workout plan | 14. | System displays the actor’s workout plan |
| 15. | The actor reviews the workout plan, and makes adjustments, e.g. removes other exercises or changes goals | 16. | System saves changes. |
| **Alternate Courses** | The actor cancels the workout selection.  The actor chooses not to enter goals.  The system displays no matching exercises for the actor’s filters  The actor deletes the workout plan. | | | |
| **Assumptions** | Related use cases, e.g. SSO authentication, Login validation, Personal trainer verification and Delete Profile, are separate use cases and not in the scope of documentation deliverables for this term project. | | | |
| **Post Conditions** | If the actor follows the typical course of events, the workout routine is added to the actor’s workout regimen, where the actor can access it, modify goals, log performance and track performance history. | | | |
| **Remarks** | This narrative use case format is based on the lecture notes, where the original format referenced is taken from Whitten & Bentley, 2007, pp. 386-387. | | | |

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| **Use Case Name** | Enter Body Measurements | | | |
| **Actor** | Customer User | | | |
| **Description** | This use case describes the sequence of steps for the actors and the system responses for selecting and customizing a workout routine in the Fit For Me app. | | | |
| **Preconditions** | The actor has logged in to the system  Exercise routines exist in the database | | | |
| **Cross Reference** | Requirement | | Requirement | |
| Requirement | | Requirement | |
| **Typical Course of Events** | **Step** | **Actor Actions** | **Step** | **System Actions** |
| 1. | The actor accesses Fit for Me | 2. | System displays main GUI |
| 3. | The actor clicks login |  | System displays user entry |
| 4. | The actor enters user name and password |  |  |
| 5. | The actor clicks Enter | 6. | System authenticates user and displays homepage |
| 7. | The actor selects measurements from drop down menu | 8. | System displays input boxes with measurements |
| 9. | The actor enters all measurement details (weight, height, bust, natural waist, hips, thighs, calves, biceps) | 10. | The system calculates and provides BMI and stores all data |
| **Alternate Courses** | The actor cancels entering measurements  The actor enters partial measurements | | | |
| **Assumptions** | The related use cases, such as Personal Trainer updating measurements, is a separate use case and not in the scope of documentation deliverables for this term project. | | | |
| **Post Conditions** | If the actor follows the typical course of events, the user measurements are saved in their profile and the system database has the information saved | | | |
| **Remarks** | This narrative use case format is based on the lecture notes, where the original format referenced is taken from Whitten & Bentley, 2007, pp. 386-387. | | | |

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| **Use Case Name** | Record Food Intake | | | |
| **Actor** | Customer User | | | |
| **Description** | This use case describes the event of an actor referred as user entering their food intake into the Fit for Me app. | | | |
| **Preconditions** | The actor has a valid user account in Fit for Me app | | | |
| **Cross Reference** | Requirement | | Requirement | |
| Requirement | | Requirement | |
| **Typical Course of Events** | **Step** | **Actor Actions** | **Step** | **System Actions** |
| 1. | The actor accesses Fit for Me | 2. | System displays main GUI |
| 3. | The actor clicks login |  | System displays user entry |
| 4. | The actor enters user name and password |  |  |
| 5. | The actor clicks Enter | 6. | System authenticates user and displays homepage |
| 7. | Select Food from drop down menu | 8. | System displays input boxes to enter food items |
| 9. | The actor enters all food details (breakfast, lunch, dinner, snacks, drinks, water) | 10. | The system calculates calories, carbohydrate, fiber, and protein intake and stores all data |
| **Alternate Courses** | The actor cancels entering food  The actor enters partial food | | | |
| **Assumptions** | The related use cases, such as Personal Trainer providing meal plans, is a separate use case and not in the scope of documentation deliverables for this term project. | | | |
| **Post Conditions** | If the actor follows the typical course of events, the user food intake is saved for the day in their profile and the system database has the information saved. | | | |
| **Remarks** | This narrative use case format is based on the lecture notes, where the original format referenced is taken from Whitten & Bentley, 2007, pp. 386-387. | | | |