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**Admin Subsystem**

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| --- | --- |
| 1.1 | Add New Subscription Type |
| 1.2 | Maintain Subscription Type |
| 1.3 | Search Subscription Type |
| 1.4 | Add New Booking Slots |
| 1.5 | Maintain Booking Slots |
| 1.6 | Search Booking Slots |
| 1.7 | Maintain Company |
| 1.8 | Confirm Exercise Plan Payment |
| 1.9 | Confirm Subscription Payment |
| 1.10 | Add New Challenge |
| 1.11 | Maintain Challenge |
| 1.12 | Make Available Challenge |
| 1.13 | Conduct Consultation |
| 1.14 | Confirm Challenge Payment |

**Employee Subsystem**

|  |  |
| --- | --- |
| 2.1 | Add New Employee |
| 2.2 | Maintain Employee |
| 2.3 | Search Employee |
| 2.4 | Add New Employee Type |
| 2.5 | Maintain Employee Type |
| 2.6 | Search Employee Type |

**Client Subsystem**

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| --- | --- |
| 3.1 | Register New Client |
| 3.2 | Maintain Client Profile |
| 3.3 | Search Client |
| 3.4 | Signup for a Subscription |
| 3.5 | Cancel Subscription |
| 3.6 | Purchase Exercise Plan |
| 3.7 | Make New Personal Training Booking |
| 3.8 | Cancel Personal Training Booking |
| 3.9 | View Client Profile |
| 3.10 | Make Subscription Payment |
| 3.11 | Register for A Challenge |
| 3.12 | Make New Consultation Booking |
| 3.13 | Cancel Consultation Booking |
| 3.14 | Make Challenge Payment |

**User Subsystem**

|  |  |
| --- | --- |
| 4.1 | Login |
| 4.2 | Update Password |
| 4.3 | Forgotten Password |
| 4.4 | Log Out |
| 4.5 | Add New Access Level |
| 4.6 | Maintain Access Level |
| 4.7 | Search Access Level |
| 4.8 | Add New Functionality |
| 4.9 | Maintain Functionality |
| 4.10 | Search Functionality |

**Reporting Subsystem**

|  |  |
| --- | --- |
| 5.1 | Generate Exercise Plan Report |
| 5.2 | Generate Subscription Report |
| 5.3 | Generate Challenge Entry Report |
| 5.4 | Generate Consultation Booking Details Report |
| 5.5 | Generate Personal Training Booking Details Report |

**Exercise Subsystem**

|  |  |
| --- | --- |
| 6.1 | Add New Exercise Plan Type |
| 6.2 | Maintain Exercise Plan Type |
| 6.3 | Add New Exercise Type |
| 6.4 | Maintain Exercise Type |
| 6.5 | Add Set to Workout |
| 6.6 | Maintain Set |
| 6.7 | Add New Exercise Body Type |
| 6.8 | Maintain Exercise Body Type |
| 6.9 | Add New Exercise |
| 6.10 | Maintain Exercise |
| 6.11 | Add New Workout |
| 6.12 | Maintain Workout |
| 6.13 | Add New Day |
| 6.14 | Maintain Day |
| 6.15 | Add New Exercise Plan |
| 6.16 | Maintain Exercise Plan |
| 6.17 | Search Exercise Plan |
| 6.18 | Create Workout |
| 6.19 | Create Exercise Plan |

1. Admin Sub System

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 1.1 |
| Requirement title: | Add New Subscription Detail |
| Requirement text: | The system must allow the owner to add new subscription details to the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should fill in details such as:   * Price Per Month * Price Date Changed   Only an owner can add a new subscription detail entry to the system. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 1.2 |
| Requirement title: | Maintain Subscription Detail |
| Requirement text: | The system must allow the owner to maintain/remove a subscription details entry on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should fill edit or remove any subscription detail entry on the system.  Only the owner can maintain these details. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 1.3 |
| Requirement title: | Search Subscription Detail |
| Requirement text: | The system must allow the user to be able to search any existing subscription detail on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the user needs to search for a subscription detail record on the system. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 1.4 |
| Requirement title: | Add New Booking Slots |
| Requirement text: | The system must allow the employee to add new booking slots to the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should fill in details such as:   * Slot Date * Start Time * End Time   Only a personal trainer and consultant can add a new booking slots to the system. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 1.5 |
| Requirement title: | Maintain Booking Slots |
| Requirement text: | The system must allow the employee to maintain/remove a subscription details entry on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should fill edit or remove any booking slot entry on the system.  Only the personal trainer and consultant can maintain these details. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 1.6 |
| Requirement title: | Search Booking Slots |
| Requirement text: | The system must allow the user to be able to search any existing booking slot on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the personal trainer and consultant needs to search for a booking slot record on the system. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 1.7 |
| Requirement title: | Maintain Company |
| Requirement text: | The system must allow the owner to maintain/remove a company details on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should fill edit or remove any company detail entry on the system.  Only the owner can maintain these details. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 1.8 |
| Requirement title: | Confirm Exercise Plan Payment |
| Requirement text: | The system must allow the user to be able to confirm a payment for an exercise plan that has been made by a client on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the user needs to confirm an EFT made by a client for an:   * Exercise Plan Payment   Only the owner can confirm a payment and only once he has received proof of payment from the bank. |
| Revision date and Revision number: | Version 3.0  2019-08-23 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 1.9 |
| Requirement title: | Confirm Subscription Payment |
| Requirement text: | The system must allow the user to be able to confirm a payment for a subscription that has been made by a client on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the user needs to confirm an EFT made by a client for an:   * Subscription Payment   Only the owner can confirm a payment and only once he has received proof of payment from the bank. The payment could be for a new subscription or on-going subscription in which the payment is a monthly payment made by the client. |
| Revision date and Revision number: | Version 3.0  2019-08-23 |
| Criticality/Priority: | High |

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 1.10 |
| Requirement title: | Add New Challenge |
| Requirement text: | The system must allow the owner to add new challenge to the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should fill in details such as:   * Challenge Description * Date Edited   Only an owner can add a new challenge detail entry to the system. |
| Revision date and Revision number: | Version 3.0  2019-08-23 |
| Criticality/Priority: | High |

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 1.11 |
| Requirement title: | Maintain Challenge |
| Requirement text: | The system must allow the owner to maintain/remove a challenge details entry on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should fill edit or remove any challenge detail entry on the system.  Only the owner can maintain these details. |
| Revision date and Revision number: | Version 3.0  2019-08-23 |
| Criticality/Priority: | High |

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 1.12 |
| Requirement title: | Make Available Challenge |
| Requirement text: | The system must allow the owner to make a challenge available for registration by selecting a challenge and changing its status to available. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should log in to the system and either select an existing challenge or a add a new challenge to the system.  The user -once the challenge has been selected- should have the option to make the challenge available on the website. |
| Revision date and Revision number: | Version 3.0  2019-08-23 |
| Criticality/Priority: | High |

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 1.13 |
| Requirement title: | Conduct Consultation |
| Requirement text: | The system must allow the user to be able conduct a consultation with the client. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the user needs to be able to search for a goal on the system and add a new goal to the system.  The user should also be able to search for the client’s weight and edit the weight of the client.  Only a consultant can conduct a consultation. |
| Revision date and Revision number: | Version 3.0  2019-08-23 |
| Criticality/Priority: | High |

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 1.14 |
| Requirement title: | Confirm Challenge Payment |
| Requirement text: | The system must allow the user to be able to confirm a payment for a challenge registration that has been made by a client on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the user needs to confirm an EFT made by a client for an:   * Challenge Payment   Only the owner can confirm a payment and only once he has received proof of payment from the bank. |
| Revision date and Revision number: | Version 3.0  2019-08-23 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 1.14 |
| Requirement title: | Search Sale |
| Requirement text: | The system must allow the user to be able to search any existing sale on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the user needs to search for a sale record on the system. That has been confirmed.  Any employee can search a sale as long as the are logged in to the system. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

1. Employee Subsystem

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 2.1 |
| Requirement title: | Add new employee |
| Requirement text: | The system must provide for an option to add new employee details to the system. |
| Requirement type: | functional |
| Requirement details and constraints: | The computer must meet the minimum system requirements. The system must provide for an option to add new employees’ details. Only employees approved by the owner can be added to the system. |
| Revision date and Revision number: | Version 3.0  14/07/2019 |
| Criticality/Priority: | High priority |

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| --- | --- | --- |
| Requirement |  | Explanation |
| Requirement number: |  | 2.2 |
| Requirement title: |  | Maintain employee |
| Requirement text: |  | The system must be able to update/remove the details of the employee in case there is a change. |
| Requirement type: |  | Functional |
| Requirement details and constraints: |  | The employee being updated/removed must have be previously registered and only the manager and owner have access rights to this. |
| Revision date and Revision number: |  | Version 3.0  14/07/2019 |
| Criticality/Priority: |  | Low priority |

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 2.3 |
| Requirement title: | Search employee |
| Requirement text: | The system should be able to search an existing employee’ information. |
| Requirement type: | Functional |
| Requirement details and constraints: | Employee details including Name, surname, email address, cell phone number and banking details are returned by the system. Only owner and managers can search employee information. |
| Revision date and Revision number: | Version 3.0  14/07/2019 |
| Criticality/Priority: | Medium Priority |

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| Requirement | Explanation |
| Requirement number: | 2.4 |
| Requirement title: | Add New Employee Type |
| Requirement text: | The system must provide for an option to add new employee types to the system. |
| Requirement type: | functional |
| Requirement details and constraints: | The computer must meet the minimum system requirements. The system must provide for an option to add new employees’ details   * Employee Type   Only the owner can add a new employee type. |
| Revision date and Revision number: | Version 3.0  14/07/2019 |
| Criticality/Priority: | High priority |

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| Requirement | Explanation |
| Requirement number: | 2.5 |
| Requirement title: | Maintain Employee Type |
| Requirement text: | The system must be able to update/remove the details of the employee type in case there is a change. |
| Requirement type: | Functional |
| Requirement details and constraints: | The employee type being updated/removed must have be previously registered and only the manager and owner have access rights to this. |
| Revision date and Revision number: | Version 3.0  14/04/2019 |
| Criticality/Priority: | Low priority |

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| Requirement | Explanation |
| Requirement number: | 2.6 |
| Requirement title: | Search Employee Type |
| Requirement text: | The system should be able to search an existing employee type information. |
| Requirement type: | Functional |
| Requirement details and constraints: | Employee type details are returned by the system. Only owner and managers can search employee type information. |
| Revision date and Revision number: | Version 3.0  14/07/2019 |
| Criticality/Priority: | Medium Priority |

1. Client Subsystem

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| Requirement | Explanation |
| Requirement number: | 3.1 |
| Requirement title: | Register New Client |
| Requirement text: | The system must allow the user to register a new client profile to the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | All client details such as:   * Name * Surname * Contact number * email address * Password   Can be added to the system.  Only a client can register themselves on the system and a client can only have one profile on the system. |
| Revision date and Revision number: | Version 3.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 3.2 |
| Requirement title: | Maintain Client Profile |
| Requirement text: | The system must allow the user to maintain an existing client profile once the client has logged in. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The client should be able to edit or remove any of their existing details on the system.  Only a client who is logged in can maintain their existing details. |
| Revision date and Revision number: | Version 3.3  2019-07-14 |
| Criticality/Priority: | High |

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 3.3 |
| Requirement title: | Search Client |
| Requirement text: | The system must allow the user to search a client profile on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The client can search their own profile on the system.  Only a client who is logged in to their profile can search. |
| Revision date and Revision number: | Version 3.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 3.4 |
| Requirement title: | Signup for a Subscription |
| Requirement text: | The system must allow any register client to be able to sign up for a subscription of either:   * 6 months * 1 year * 2 years * 3 years |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | * A client can only sign up for one of the 4 subscriptions. * There are no monthly payments the client has to pay once off. * Once a subscription has been confirmed it can not be cancelled. * A client can only have one running subscription at a time. |
| Revision date and Revision number: | Version 3.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 3.5 |
| Requirement title: | Cancel a Subscription |
| Requirement text: | The system must allow any register client to be able to cancel a subscription that they have currently running. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | * A client can only cancel a subscription if all their owed payments are paid. * If a client has a subscription with a discount the system will calculate the amount that has been discounted an request the client to make that payment before they can cancel their subscription. |
| Revision date and Revision number: | Version 3.3  2019-08-23 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 3.6 |
| Requirement title: | Purchase Exercise Plan |
| Requirement text: | The system must allow the client to be able to purchase an exercise plan on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | A client can purchase one of two exercise plan types:   * Custom * Generic   The exercise plan will only be sent to the client once the payment has been made and emailed to the client. |
| Revision date and Revision number: | Version 3.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 3.7 |
| Requirement title: | Make New Personal Training Booking |
| Requirement text: | The client must be able to make a booking for a personal training session on their personal client profile. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | A client can only make a booking if they have a running subscription.  A client can only make a booking twice a week. |
| Revision date and Revision number: | Version 3.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 3.8 |
| Requirement title: | Cancel Personal Training Booking |
| Requirement text: | The system must allow the client to be able to cancel a personal training session that they have booked. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | A client can only cancel a booking that they have booked. |
| Revision date and Revision number: | Version 3.3  2019-08-23 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 3.9 |
| Requirement title: | View Client Profile |
| Requirement text: | The system must allow the client to be able to view their client profile page on the home page. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The system will display all the registered client details.  If I client has a biofrom all the details of the bio form will also be displayed.  The client should be given the option to maintain all these details.  The client must be logged in to their profile. |
| Revision date and Revision number: | Version 3.3  2019-08-23 |
| Criticality/Priority: | High |

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 3.10 |
| Requirement title: | Make Subscription Payment |
| Requirement text: | The system must allow the client to make a payment for the following:   * Subscription |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | A client can only pay via an EFT and the payment will only be confirmed once the bank has sent a proof of payment to owner.  The client will have to make a subscription payment for every month that they have chosen to subscribe for. |
| Revision date and Revision number: | 2019-08-23  Version 3.3 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 3.11 |
| Requirement title: | Register for a Challenge |
| Requirement text: | The system must allow the client to be able to be able to register for an existing challenge. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | * A client can only register for a challenge that has not begin and is open for registration. * There is only ever one challenge running at a time. * A client will only be registered for a challenge once their payment has been confirmed by the owner. |
| Revision date and Revision number: | Version 3.3  2019-08-23 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 3.12 |
| Requirement title: | Make New Consultation Booking |
| Requirement text: | The client must be able to make a booking for a consultation session on their personal client profile. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | A client can only make a booking if they are registered for a running challenge.  A client can only make a booking once every 4 weeks. |
| Revision date and Revision number: | Version 3.3  2019-08-23 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 3.13 |
| Requirement title: | Cancel Consultation Booking |
| Requirement text: | The system must allow the client to be able to cancel a consultation session that they have booked. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | A client can only cancel a booking that they have booked. |
| Revision date and Revision number: | Version 3.3  2019-08-23 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 3.14 |
| Requirement title: | Make Challenge Payment |
| Requirement text: | The system must allow the client to make a payment for the following:   * Challenge |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | A client can only pay via an EFT and the payment will only be confirmed once the bank has sent a proof of payment to owner.  The client will have to make the challenge payment before registration closes in order to be registered for a challenge. |
| Revision date and Revision number: | 2019-08-23  Version 3.3 |
| Criticality/Priority: | High |

4. User Subsystem

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| Requirement | Explanation |
| Requirement number: | 4.1 |
| Requirement title: | Login |
| Requirement text: | The system must allow the user to login into the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should fill in details such as their username, and password to login. The user must be registered on the system. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 4.2 |
| Requirement title: | Update password |
| Requirement text: | The system must allow the user to update their password |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the user needs to update their password due to it becoming compromised the system must allow the user to enter a new password and confirm it. User must enter old password before change can be allowed. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 4.3 |
| Requirement title: | Forgotten password |
| Requirement text: | The system should allow the user to recover their password if they forget and allow them to create a new password, so they can login using it. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should fill in details such as their username and provide answers to recovery questions. The user should be registered on the system with a username and email address. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | Must |

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| Requirement | Explanation |
| Requirement number: | 4.4 |
| Requirement title: | Logout |
| Requirement text: | The system should allow the user to logout. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should firstly be logged into the system. Once they log out the system locks functionalities and goes back to login page. |
| Revision date and Revision number: | Version 4.0  2019-07-14 |
| Criticality/Priority: | Must |

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| Requirement | Explanation |
| Requirement number: | 4.5 |
| Requirement title: | Add New Access Level |
| Requirement text: | The system must allow the owner to add a new access level to the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should fill in details such as:   * Access Level Description   Only an owner can add a new Access Level entry to the system. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| --- | --- |
| Requirement | Explanation |
| Requirement number: | 4.6 |
| Requirement title: | Maintain Access Level |
| Requirement text: | The system must allow the owner to maintain/remove a Access Level entry on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should fill edit or remove any Access Level entry on the system.  Only the owner can maintain these details. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 4.7 |
| Requirement title: | Search Access Level |
| Requirement text: | The system must allow the user to be able to search any existing Access Level on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the user needs to search for a Access Level record on the system. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 4.8 |
| Requirement title: | Add New Functionality |
| Requirement text: | The system must allow the owner to add new functionality description to the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should fill in details such as:   * Functionality Description   Only an owner can add a new challenge detail entry to the system. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 4.9 |
| Requirement title: | Maintain Functionality |
| Requirement text: | The system must allow the owner to maintain/remove a functionality entry on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should fill edit or remove any functionality entry on the system.  Only the owner can maintain these details. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 4.10 |
| Requirement title: | Search Functionality |
| Requirement text: | The system must allow the user to be able to search any existing functionality on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the user needs to search for a functionality record on the system. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

1. Reporting Subsystem

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| Requirement | Explanation |
| Requirement number: | 5.1 |
| Requirement title: | Generate Exercise Plan Report |
| Requirement text: | The system must generate a report on the exercise plans sold at the end of month. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the owner needs a report on exercise plans sales at the end of every month which the system will automatically generate. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 5.2 |
| Requirement title: | Generate Subscription Report |
| Requirement text: | The system must generate a report on the subscriptions made at the end of the month. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the owner needs a report on subscriptions signed up for and the sales made at the end of every month which the system will automatically generate. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 5.3 |
| Requirement title: | Generate Client Progress Report |
| Requirement text: | The system must generate a report of the clients current weight and the goal they hoped to achieve at the end of the month. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the owner needs a report on the weights and goals of all clients registered for the running challenge in order to determine who gets the prize.  The system will generate the report upon the owners request |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 5.4 |
| Requirement title: | Generate Challenge Registration Report |
| Requirement text: | The system must generate a report on the amount of people who registered for the challenge before the start date. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | If the owner needs a report on the amount of people who have signed up for the current challenge. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

1. Exercise Subsystem

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| Requirement | Explanation |
| Requirement number: | 6.1 |
| Requirement title: | Add New Exercise Plan Type |
| Requirement text: | The system must allow the employee to add a new exercise plan type. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The system will allow the employee to add a new exercise plan type.  Only the owner can create an exercise plan type |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.2 |
| Requirement title: | Maintain Exercise Plan Type |
| Requirement text: | The system must allow the employee to retrieve an existing exercise plan type from the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The system will allow the employee to retrieve an existing exercise plan type from the system and display its relevant information on the screen. |
| Revision date and Revision number: | Version 3.0  2019-03-05 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.3 |
| Requirement title: | Search Exercise Plan Type |
| Requirement text: | The system must allow the employee to edit or delete an existing exercise plan type from the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The system must allow the user to be able to search exercise plan type. |
| Revision date and Revision number: | Version 3.0  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.4 |
| Requirement title: | Add New Exercise Type |
| Requirement text: | The system must allow the user to add a new exercise type. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | All exercise type details must be provided by the user.  Only the owner can add a new exercise. |
| Revision date and Revision number: | Version 3.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.5 |
| Requirement title: | Maintain Exercise Type |
| Requirement text: | The system must allow the user to maintain an exercise plan. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | Maintenance to all exercise plan details including Name, Description and price must be allowed by the system. Only exercise changes approved by the manager may be implemented. |
| Revision date and Revision number: | Version 3.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.6 |
| Requirement title: | Search Exercise Type |
| Requirement text: | The system must allow the user to search an exercise type. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The user should be able to search an exercise type on the system. |
| Revision date and Revision number: | Version 3.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.7 |
| Requirement title: | Add New Rep |
| Requirement text: | The system must allow the user to add a new exercise. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | All exercise details including Name, Description, Number of sets, Number of repetitions and exercise type are added to the system. Only exercises approved by the manager may be added. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.8 |
| Requirement title: | Maintain Rep |
| Requirement text: | The system must allow the user to maintain a rep. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | Maintenance to a rep amount and have he option to edit to delete.  Only the owner can maintain a rep. |
| Revision date and Revision number: | Version 3.3  2019-07-13 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.9 |
| Requirement title: | Add New Set |
| Requirement text: | The system must allow the user to add a new set. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | All set details like Number of sets.  Only sets approved by the owner may be added. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.10 |
| Requirement title: | Maintain Set |
| Requirement text: | The system must allow the user to maintain an set. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | Maintenance to all exercise details including Name, Description, Number of sets, Number of repetitions and exercise type must be allowed by the system. Only exercise changes approved by the manager may be implemented. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.11 |
| Requirement title: | Add New Exercise Body Type |
| Requirement text: | The system must allow the user to add a new exercise. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | All exercise details including Name, Description, Number of sets, Number of repetitions and exercise type are added to the system. Only exercises approved by the manager may be added. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.12 |
| Requirement title: | Maintain Exercise Body Type |
| Requirement text: | The system must allow the user to maintain an exercise. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | Maintenance to all exercise details including Name, Description, Number of sets, Number of repetitions and exercise type must be allowed by the system. Only exercise changes approved by the manager may be implemented. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.13 |
| Requirement title: | Search Exercise Body Type |
| Requirement text: | The system must allow the user to search an exercise. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | Exercise details including Name, Description, Number of sets, Number of repetitions and exercise type are returned by the system. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.14 |
| Requirement title: | Add New Exercise |
| Requirement text: | The system must allow the user to add a new exercise. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | All exercise details including Name, Description, Number of sets, Number of repetitions and exercise type are added to the system. Only exercises approved by the manager may be added. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.15 |
| Requirement title: | Maintain Exercise |
| Requirement text: | The system must allow the user to maintain an exercise. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | Maintenance to all exercise details including Name, Description, Number of sets, Number of repetitions and exercise type must be allowed by the system. Only exercise changes approved by the manager may be implemented. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.16 |
| Requirement title: | Search Exercise |
| Requirement text: | The system must allow the user to search an exercise. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | Exercise details including Name, Description, Number of sets, Number of repetitions and exercise type are returned by the system. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.17 |
| Requirement title: | Add New Workout |
| Requirement text: | The system must allow the user to add a new exercise. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | All exercise details including Name, Description, Number of sets, Number of repetitions and exercise type are added to the system. Only exercises approved by the manager may be added. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.18 |
| Requirement title: | Maintain Workout |
| Requirement text: | The system must allow the user to maintain an exercise. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | Maintenance to all exercise details including Name, Description, Number of sets, Number of repetitions and exercise type must be allowed by the system. Only exercise changes approved by the manager may be implemented. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.19 |
| Requirement title: | Search Workout |
| Requirement text: | The system must allow the user to search an exercise. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | Exercise details including Name, Description, Number of sets, Number of repetitions and exercise type are returned by the system. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.20 |
| Requirement title: | Add New Exercise Plan |
| Requirement text: | The system must allow the user to add a new exercise. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | All exercise details including Name, Description, Number of sets, Number of repetitions and exercise type are added to the system. Only exercises approved by the manager may be added. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.21 |
| Requirement title: | Maintain Exercise Plan |
| Requirement text: | The system must allow the user to maintain an exercise. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | Maintenance to all exercise details including Name, Description, Number of sets, Number of repetitions and exercise type must be allowed by the system. Only exercise changes approved by the manager may be implemented. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.22 |
| Requirement title: | Search Exercise Plan |
| Requirement text: | The system must allow the user to search an exercise. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | Exercise details including Name, Description, Number of sets, Number of repetitions and exercise type are returned by the system. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.23 |
| Requirement title: | Create Workout |
| Requirement text: | The system must allow The user to create a workout on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The system must allow the owner to link the exercise to the sets to the reps with the workout ID. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

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| Requirement | Explanation |
| Requirement number: | 6.24 |
| Requirement title: | Create Exercise Plan |
| Requirement text: | The system must allow the owner to be able to create an exercise plan on the system. |
| Requirement type: | Functional Requirement |
| Requirement details and constraints: | The exercise plan will consist of many workouts. |
| Revision date and Revision number: | Version 1.3  2019-07-14 |
| Criticality/Priority: | High |

Changes to the requirement List:

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| Admin Subsystem | |
| Requirement Name: | Reason for change: |
| Requirements that have been added: | |
| 1.4 Add New Booking Slots | Needed to add booking slots |
| 1.5 Maintain Booking Slots | Needed to maintain booking slots |
| 1.6 Search Booking Slots | Needed to search booking slots |
| 1.8 Confirm Exercise Plan Payment | Needed to confirm Exercise Plan EFTs by the owner. |
| 1.9 Confirm Subscription Payment | Needed to confirm Subscription EFTs by the owner. |
| 1.14 Confirm Challenge Payment | Needed to confirm Challenge EFTs by the owner. |

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| Employee Subsystem |
| No Changes |

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| Product Subsystem | |
| Change: | Reason for change: |
| Subsystem removed. | Subsystem no longer required. |

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| User Subsystem |
| No Changes |

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| Client Subsystem | |
| Requirement Name | Reason for change |
| Requirements that have been added: | |
| 3.10 Make Subscription Payment | Needed to for client to make monthly subscription payments. |
| 3.14 Make Subscription Payment | Needed to for client to make payment for a challenge that they have chosen to register for. |

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| Reporting Subsystem |
| No Changes |

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| Sale Subsystem | |
| Change: | Reason for change: |
| Subsystem removed. | **Subsystem no longer required.** |

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| Exercise Subsystem | |
| Requirement Name | Reason for change |
| Requirements that have been added | |
| 6.13 Add new Day | Created Rep table in database and reps need to be able to be added to the system by an employee. |
| 6.14 Maintain Day | Created Rep table in database and reps need to be able to be maintain on the system by an employee. |
| 6.18 Create Workout | Necessary to create a dynamic workout on the system. |
| 6.19 Create Exercise Plan | Necessary to create a dynamic exercise plan on the system. |
| Requirements that have been removed | |
| 6.3 Search Exercise Plan Type | No longer required. |
| 6.6 Search Exercise Type | No longer required. |
| 6.9 Search Exercise Body Type | No longer required. |
| 6.12 Search Exercise | No longer required. |
| 6.15 Search Workout | No longer required. |

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| Client Sign-off |

Jesse Pretorius

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Date

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| Course Coordinator Sign-off |

INF 370 Course Coordinator

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Date

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