Use Case Specifications

User Use Cases:

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| Use Case Name | Login |
| Participating Actors | Initiated by the User |
| Entry Condition | User’s username and password must be entered |
| Flow of Events | 1. The User must activate the log on function of the website. 2. Self-Start will encrypt the entered username and password and search through the database of customers to find the encrypted match. 3. Self-Start determines whether to let the user log on or to deny the request to log on because of a wrong username and/or password. 4. User will either receive a notification that their username/password is wrong or will be logged onto their account. |
| Exit Condition | The User must either be validated or denied. |
| Quality Requirements |  |

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| Use Case Name | Register |
| Participating Actors | Initiated by the User |
| Entry Condition | User’s new username and password must be set |
| Flow of Events | 1. The User must activate the Register function of the website. 2. Self-Start will encrypt the entered username and password and post the new user with their username and password to the database. 3. Self-Start will request the user to pay for a program. The payFee use case is included here. 4. User will either receive a notification that their username/password has been created. 5. User, Physiotherapist, and Admin will be notified of the new account and a Physiotherapist will be assigned to the user. |
| Exit Condition | The User must either be validated or denied. |
| Quality Requirements | Physiotherapist, User, and Admin must be notified immediately that the account has been created. |

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| Use Case Name | updateUserInfo |
| Participating Actors | Initiated by the User, participates with the Admin |
| Entry Condition | User must be logged in, and have their account paid for |
| Flow of Events | 1. The User must activate the Update Info function of the website. 2. Self-Start will direct the user to the User Info page. 3. User can then update their personal info, their payment information, or their password. 4. User will then save their changed information. 5. Self-Start will update the User Info in the system, and send a notification to the Admin to notify them of the change. |
| Exit Condition | -The User saves the User Info  -The User exits the User Info page |
| Quality Requirements | -the Admin must be sent a notification immediately  -the User info must be updated in the system |

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| Use Case Name | bookAppointment |
| Participating Actors | Initiated by the User, participates with the Admin and Physiotherapist |
| Entry Condition | User must be logged in, and have their account paid for |
| Flow of Events | 1. The User must activate the Book Appointment function of the website. 2. Self-Start will direct the user to the Book Appointment page. 3. User will select a month, day, and time from the available list of appointments. 4. User will receive a notification that their appointment has been booked. 5. Self-Start will update the calendar to make sure that no other users can book an appointment during that time. |
| Exit Condition | -The User books an appointment  -The User exits the Book Appointment page  -The sendConfirmation use case is included, to then send the notification to the Physiotherapist and admin. |
| Quality Requirements | -the user must only be allowed to select available dates and times for their appointment. |

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| Use Case Name | payFee |
| Participating Actors | Initiated by the User |
| Entry Condition | -user must be logged in  -user payment information must be valid |
| Flow of Events | 1. User activates the “Purchase Plan” function of the website. 2. Self-Start responds by presenting a form asking for the billing information as well as the shipping information. 3. Self-Start will prompt the user to confirm their order. Once the order is confirmed the user will pay the fee. 4. User must fill in information and accept the payment. 5. Self-Start will verify the billing information as valid. 6. The sendConfirmation use case is included here. Self-Start will use sendConfirmation to send an email to the Customer confirming the order. 7. Self-Start will save the order information to the database. |
| Exit Condition | -Customer cancels the order  -Billing information cannot be validated  -The order is completed |
| Quality Requirements | -The website should maintain the data of the transaction |

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| Use Case Name | sendConfirmation |
| Participating Actors | Participates with Admin, User, and Physiotherapist |
| Entry Condition | -user must be logged in  -payment method must be validated  -payment must be completed |
| Flow of Events | 1. The Self-Start software will take the payment information and store it in the database. 2. Self-Start will send an email to the User to confirm their payment and thank them. 3. Self-Start will send an email to the assigned physiotherapist to notify them of their new patient, and send them the patient details after querying the database. 4. Self-Start will send an email to the Admin to let them know that there is a new client added to the system. |
| Exit Condition | -Self-Start has emailed User, Admin, and Physiotherapist. |
| Quality Requirements | Physiotherapist, User, and Admin must be notified immediately that the payment has been made. |

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| Use Case Name | viewExercisePlan |
| Participating Actors | Initiated by User |
| Entry Condition | -user must be logged in |
| Flow of Events | 1. User must activate the View Exercises function of the software. 2. Self-Start will locate all the exercises that the Physiotherapist has assigned to the User, and display them in a list form on the page. 3. User can then select an exercise to view the video corresponding to that exercise. 4. Self-Start will display the video that corresponds to the exercise, for the User to view. |
| Exit Condition | -User exits the View Exercises page. |
| Quality Requirements | -Each exercise must have a video attached.  -Only exercises that are part of the User’s treatment plan must be displayed.  -The videos should be made of avataars  -While User is viewing an exercise, at any point in time rateExercises or updateRating use cases may be included, being initiated by the User. |

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| Use Case Name | rateExercise |
| Participating Actors | Initiated by User |
| Entry Condition | -user must be logged in |
| Flow of Events | 1. User must activate the View Exercises function of the software. 2. Self-Start will locate all the exercises that the Physiotherapist has assigned to the User, and display them in a list form on the page. 3. User must then select an exercise to view the video corresponding to that exercise. 4. Self-Start will display the video that corresponds to the exercise, for the User to view. 5. Below the video for the exercise, there will be a rating section for the exercise that will prompt the user to enter their opinion of the exercise on a scale of 1-10. 6. Self-Start will POST their rating to the database. |
| Exit Condition | -User exits the View Exercises page.  -User rates the Exercise. |
| Quality Requirements | -The 1-10 scale must be made of smiley faces.  -User can only rate each exercise once, otherwise they must select the included updateReviews use case to change their review. |

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| Use Case Name | updateReviews |
| Participating Actors | Initiated by User |
| Entry Condition | -user must be logged in  -the exercise must already be rated by the User |
| Flow of Events | 1. User must select the Change Rating function under a specific exercise. 2. Self-Start will display the scale from 1-10 for the user. 3. The User will then be prompted to select their new rating of the exercise, on a scale of 1-10. 4. Self-Start will PUT the changed rating on the database. |
| Exit Condition | -User exits the View Exercises page.  -User re-rates the Exercise. |
| Quality Requirements | -The 1-10 scale must be made of smiley faces. |

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| Use Case Name | viewUserProgress |
| Participating Actors | Initiated by User |
| Entry Condition | -user must be logged in |
| Flow of Events | 1. User must activate the Progress function of the software. 2. Self-Start will query the database for the User’s reviews and past assessment tests. 3. Self-Start will chart all the exercise reviews that User has filled out, and based on their assessment tests and these reviews will display charts of the user’s progress in the treatment plan. 4. User can then track their progress. |
| Exit Condition | -User exits the Progress page. |
| Quality Requirements | -Progress page will update each time the user fills out a review or completes an assessment test |

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| Use Case Name | postMessage |
| Participating Actors | Initiated by User |
| Entry Condition | -user must be logged in |
| Flow of Events | 1. User may have filled out assessment test and clicked submit or must activate the View Progress function of the software. 2. If included by the fillAssessmentTest use case, Self-Start will take the information from the assessment test and update the User Progress charts, and will post the assessment test to the User’s account. 3. If included by the viewUserProgress use case, the user must then activate the post message function. 4. User must enter a message, and can optionally enter a subject. 5. User must click “Post” to post their message to that page. 6. Self-Start will save this message so that the User can look back at their post at any time. |
| Exit Condition | -User exits the Post Message page.  -User posts the message.  -Self-Start saves the message. |
| Quality Requirements | -Self-Start must guarantee that the message will be saved, so that the post can be viewed at any time. |

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| Use Case Name | userSendMessage |
| Participating Actors | Initiated by User, participates with Physiotherapist |
| Entry Condition | -user must be logged in |
| Flow of Events | 1. User must activate the Contact Physiotherapist function of the software. 2. Self-Start will bring the user to the message page, which automatically has the User’s Physiotherapist set as the recipient, and the User set as the sender. 3. User must enter a message, and can optionally enter a subject. 4. User must click send to send the message to their Physiotherapist. 5. Self-Start will deliver the message to the Physiotherapist’s inbox, indicating who sent the message. |
| Exit Condition | -User exits the Contact Physiotherapist page.  -User sends the message. |
| Quality Requirements | -Self-Start must guarantee that the message will reach the Physiotherapist  -The message function must automatically know which Physiotherapist to send to  -The user can initiate the userAttachFile use case before they send the message, which is included as part of this use case. |

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| Use Case Name | fillAssessmentTest |
| Participating Actors | Initiated by User, participates with Physiotherapist |
| Entry Condition | -user must be logged in  -assessment test must be sent to the User from the Physiotherapist |
| Flow of Events | 1. User must activate the Contact Physiotherapist function of the software. 2. User will activate the Fill Assessment Test function. 3. Self-Start will load the Assessment test that has been provided by the Physiotherapist. 4. User will fill out the Assessment test, and then submit the form. 5. The postMessage use case is included here. The Assessment test will then be posted to the user profile so that the user progress can be updated. 6. Self-Start will then send the submitted Assessment test to the Physiotherapist’s inbox. |
| Exit Condition | -User exits the Assessment Test page.  -The User sends the Assessment test. |
| Quality Requirements | -The Assessment test must reach the Physiotherapist’s inbox.  -The Assessment test must be complete before it can be sent. |

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| Use Case Name | userAttachFile |
| Participating Actors | Initiated by User, participate with Physiotherapist |
| Entry Condition | -user must be logged in |
| Flow of Events | 1. User must activate the Contact Physiotherapist function of the software. 2. User will select the Send Message. 3. Self-Start will load a page that will allow a user to upload filesand a message that they can then submit to the Physiotherapist. 4. User can upload multiple files to the message, and then press submit to send the attachment to the Physiotherapist. 5. Self-Start will then send the attachment to the User’s Physiotherapist. |
| Exit Condition | -User exits the Send Video Message page.  -User sends the video message. |
| Quality Requirements | -The video message must reach the Physiotherapist’s inbox.  -The video message must have a body of the message. |

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| Use Case Name | insufficientFunds |
| Participating Actors | Communicates with User |
| Entry Condition | This extends the payFee use case. It is initiated by the system when the user tries to pay and has no more funds left in their account. |
| Flow of Events | 1. User tries to pay from their account. 2. Self-Start checks the User’s current balance and finds that they do not have enough funds to pay. 3. Self-Start displays an alert to the User stating that they have insufficient funds, with an option to redirect to the “Purchase Plan” page. |
| Exit Condition | -User exits page  -User goes to “Purchase Plan” page |
| Quality Requirements | Self-Start must check to verify that the User does not have enough funds. |