**Use Cases:** Betty Jo Booth (JAM)

**Employee (Manager or Trainer)** CS414

* Login
* Create New User
* Search

**Manager Trainer:**

* Hire Trainer -
* Register New Customer
* Inventory New Equipment
* Modify Trainer
* Modify Customer
* Modify Equipment Inventory

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| **Use Case Section** | **Comment** |
| **Use Case Name** | Login |
| **Actors** | Employee [primary, initiator] |
| **Preconditions** | Gym Management software has been successfully launched by employee and login screen is displayed. |
| **Postconditions** | Employee is logged in and list of valid options displayed to select from based on the employee type a/w their user information (manager, trainer, etc.) |
| **Main Success Scenario** | *[Extension point: Create New User]*  1. Employee enters username.  2. Employee enters password.  *3. Employee initiates choice of login option (i.e., through some form of interface – button, link, return key, etc.).* |
| **Extensions** | 3a. Employee elects to login  1a. Login is successful. See Postconditions.  1b. Login fails.   1. Login view redisplayed prepopulated with prior input and invalid fields marked / identifiable to user   . *Employee repeats 1-3 of Main Success Scenario*.  3b. Employee elects to cancel login. Application closes. |
| **Miscellaneous** |  |

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| **Use Case Section** | **Comment** |
| **Extension Use Case Name** | Create New User |
| **Actors** | Employee [primary, initiator] |
| **Preconditions** | User had launched the Gym Management system and selected to “create a new user” (i.e., from the login view). Only an existing employee will be able to create a username / password. |
| **Postconditions** | The new user information is saved and the employee is again prompted to login. Information saved includes the username, password, and associated employee id. The employee id will allow the system to know what type of user it is (manager, trainer, etc.) to know permissions employee can have. |
| **Main Success Scenario** | 1. Employee enters username.  2. Employee enters password.  3. Employee enters employee id (must be existing employee).  4. Employee submits request to system |
| **Extensions** | 4a. Employee elects to “save” new user information.  1a. Save is successful. See Postconditions.  1b. Save fails.   1. Create view redisplayed, prepopulated with prior input and invalid fields marked / identifiable to user   . *Employee repeats 1-4 of Main Success Scenario*  4b. Employee elects to cancel. Create New User view exits. |
| **Miscellaneous** |  |

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| **Use Case Section** | **Comment** |
| **Use Case Name** | Hire New Trainer |
| **Actors** | **Manager** [primary, initiator]: wants to input new Trainer information and be able to review saved information for accuracy.  Trainer: Wants to be successfully entered into the system. Optionally (if accompanying manager) wants to be able to review saved information for accuracy.  Gym: Wants their new employee entered into the system. |
| **Preconditions** | - User is logged in and elected to “Hire New Trainer” from a valid list of user options. Therefore, the Actor is in fact a manager. |
| **Postconditions** | Trainer information is successfully saved. Saved information will be displayed for review, then User will be provided valid set of next options. |
| **Main Success Scenario** | 1. Manager enters Trainer’s personal information.  a. First name  b. Last name  c. address (street, city, state, zip)  d. phone  e. email  f. health insurance provider (name)  2. Manager enters work information  a. work hours  b. qualifications.  c. Employee ID (unique – new employee expected or error).  3. Manager submits request to system |
| **Extensions** | 3a. Manager elects to “save” new Trainer information.  1a. Save is successful. See Postconditions.  1b. Save fails.  1a. Duplicate employee ID.   1. Inform user that employee ID already exists and the new employee could not be created. 2. Create view is redisplayed, prepopulated with prior input.   1b. Error with 1 or more remaining fields.   1. Create view redisplayed, prepopulated with prior input, and Invalid fields marked/identifiable to user.   . 2. *Manager repeats 1-3 of Main Success Scenario*  3b. Manager elects to cancel. Create New Trainer exits. |
| **Miscellaneous** | 1. What do qualifications do? Just displayed as part of info saved. |

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| **Use Case Section** | **Comment** |
| **Use Case Name** | Register New Customer |
| **Actors** | **Manager** [primary, initiator]: wants to input new Customer information and be able to review saved information for accuracy.  Customer: Wants to be successfully entered into the system. Optionally (if accompanying manager) wants to be able to review saved information for accuracy.  Gym: Wants their new customer entered into the system. |
| **Preconditions** | - User is logged in and elected to “Register New Customer” from a valid list of user options. Therefore, the Actor is in fact a manager. |
| **Postconditions** | Customer information is successfully saved. Saved information will be displayed for review, then User will be provided valid set of next options. |
| **Main Success Scenario** | 1. Manager enters Customer’s personal information.  a. First name  b. Last name  c. address (street, city, state, zip)  d. phone  e. email  f. health insurance provider (name)  2. Manager enters work information  a. Status  b. Customer ID (unique – new customer expected or error).  3. Manager submits request to system |
| **Extensions** | 3a. Manager elects to “save” new Customer information.  1a. Save is successful. See Postconditions.  1b. Save fails.  1a. Duplicate customer ID.   1. Inform user that customer ID already exists and the new employee could not be created. 2. Create view is redisplayed, prepopulated with prior input.   1b. Error with 1 or more remaining fields.   1. Create view redisplayed, prepopulated with prior input, and Invalid fields marked/identifiable to user.   . 2. *Manager repeats 1-3 of Main Success Scenario*  3b. Manager elects to cancel. Create New Trainer exits. |
| **Miscellaneous** |  |

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| **Use Case Section** | **Comment** |
| **Use Case Name** | Inventory New Equipment |
| **Actors** | **Manager** [primary, initiator]: wants to input new Equipment information and be able to review saved information for accuracy.  Trainer: At a later time, will want to be able to assign equipment to a customer’s workout.  Gym: Wants to be able to accurately inventory their equipment. |
| **Preconditions** | - User is logged in and elected to “Inventory Equipment” from a valid list of user options. Therefore, the Actor is in fact a manager. |
| **Postconditions** | Equipment is successfully saved. Saved information will be displayed for review, then User will be provided valid set of next options. |
| **Main Success Scenario** | 1. Manager enters Equipment information.  a. name (unique)  b. picture  c. quantity  2. Manager submits request to system |
| **Extensions** | 2a. Manager elects to “save” new Equipment information.  1a. Save is successful. See Postconditions.  1b. Save fails.  1a. Duplicate equipment name.   1. Inform user that equipment already exists and the new entry could not be created. 2. Create view is redisplayed, prepopulated with prior input.   1b. Error with remaining fields.   1. Create view redisplayed, prepopulated with prior input, and Invalid fields marked/identifiable to user.   . 2. *Manager repeats 1-2 of Main Success Scenario*  2b. Manager elects to cancel. Create New Trainer exits. |
| **Miscellaneous** |  |

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| **Use Case Section** | **Comment** |
| **Use Case Name** | Modify Trainer |
| **Actors** | **Manager** [primary, initiator]: Wants to update or delete existing Trainer information, and be able to review modified information or see delete confirmation for accuracy.  Trainer: Wants to be successfully updated in / removed from the system. Optionally (if accompanying manager) wants to be able to review confirmation of changes for accuracy.  Gym: Wants employee information to remain up to date. |
| **Preconditions** | - User is logged in and elected to “Modify Trainer” from a valid list of user options. Therefore, the Actor is in fact a manager.  - Trainer exists in system with a valid Employee ID which cannot be modified. |
| **Postconditions** | Any changes made to the Trainer are updated to the system. User will be able to review current information and/or delete confirmation. |
| **Main Success Scenario** | 1. Manager searches for Trainer.  2. Trainer’s information is displayed to the Manager to be modified.  3. Employee ID is a unique identifier and **cannot be** updated (not editable). Changing the ID will require deleting an existing Trainer and creating a new one.  4. Manager may otherwise update one or more of personal information:  a. First name  b. Last name  c. address (street, city, state, zip)  d. phone  e. email  f. health insurance provider (name)  5. Manager my also update one or more of work information  a. work hours  b. qualifications.  6. Manager submits request to system |
| **Extensions** | 1a. Trainer cannot be found.  1a. Manager returns to step 1 of “Main Success Scenario.”  1b. Manager determines Trainer does not exist in system and  cancels the modification.  6a. Manager elects to “save” updates to Trainer information.  1a. Save is successful. See Postconditions.  1b. Save fails.  1a. System unable to find existing employee ID.   1. Inform user to contact System Administrator.   1b. Error with 1 or more fields.   1. Modify Trainer view redisplayed, prepopulated with prior input, and Invalid fields marked/identifiable to user.   . 2. *Manager repeats 4-6 of Main Success Scenario*  6b. Manager elects to delete Trainer from the system.  1a. Delete is successful. User is given confirmation and  Postconditions occur.  1b. Delete fails (unexpected since Trainer was already located  on search). Contact system administrator.  6c. Manager elects to cancel. Modify Trainer exits. |
| **Miscellaneous** |  |

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| **Use Case Section** | **Comment** |
| **Use Case Name** | Modify Customer |
| **Actors** | **Manager** [primary, initiator]: Wants to update or delete existing Customer information, and be able to review modified information or see delete confirmation for accuracy.  Customer: Wants to be successfully updated in / removed from the system. Optionally (if accompanying manager) wants to be able to review confirmation of changes for accuracy.  Gym: Wants Customer information to remain up to date. |
| **Preconditions** | - User is logged in and elected to “Modify Customer” from a valid list of user options. Therefore, the Actor is in fact a manager.  - Customer exists in system with a valid Customer ID which cannot be modified. |
| **Postconditions** | Any changes made to the Trainer are updated to the system. User will be able to review current information and/or delete confirmation. |
| **Main Success Scenario** | 1. Manager searches for Customer.  2. Customer’s information is displayed to the Manager to be modified.  3. Customer ID is a unique identifier and **cannot** be updated (not editable). Changing the ID will require deleting an existing Customer and creating a new one.  4. Manager may otherwise update one or more of personal information:  a. First name  b. Last name  c. address (street, city, state, zip)  d. phone  e. email  f. health insurance provider (name)  5. Manager my also update one or more of work information  a. status  b. qualifications.  6. Manager submits request to system |
| **Extensions** | 1a. Customer cannot be found.  1a. Manager returns to step 1 of “Main Success Scenario.”  1b. Manager determines Customer does not exist in system  and cancels the modification.  6a. Manager elects to “save” updates to Customer information.  1a. Save is successful. See Postconditions.  1b. Save fails.  1a. System unable to find existing customer ID.   1. Inform user to contact System Administrator.   1b. Error with 1 or more fields.   1. Modify Customer view redisplayed, prepopulated with prior input, and Invalid fields marked/identifiable to user.   . 2. *Manager repeats 4-6 of Main Success Scenario*  6b. Manager elects to delete Customer from the system.  1a. Delete is successful. User is given confirmation and  Postconditions occur.  1b. Delete fails (unexpected since Customer was already  located on search). Contact system administrator.  6c. Manager elects to cancel. Modify Customer exits. |
| **Miscellaneous** |  |

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| **Use Case Section** | **Comment** |
| **Use Case Name** | Modify Equipment Inventory |
| **Actors** | **Manager** [primary, initiator]: Wants to update or delete existing inventories equipment, and be able to review modified information or see delete confirmation for accuracy.  Gym: Wants employee information to remain up to date. |
| **Preconditions** | - User is logged in and elected to “Modify Equipment Inventory” from a valid list of user options. Therefore, the Actor is in fact a manager.  - Equipment exists in system with a unique name identifying it. Its name cannot be modified. Only the quantity. |
| **Postconditions** | Any changes made to the inventoried equipment are updated to the system. Manager will be able to review current information (after update) and/or a delete confirmation. |
| **Main Success Scenario** | 1. Manager searches for Equipment.  2. Equipment information is displayed to the Manager to be modified.  3. Equipment name is a unique identifier and **cannot be** updated (not editable). Changing the name will require deleting an existing Trainer and creating a new one.  4. Manager may otherwise update the following:  a. quantity available.  b. picture  5. Manager submits request to system |
| **Extensions** | 1a. Equipment cannot be found.  1a. Manager returns to step 1 of “Main Success Scenario.”  1b. Manager determines Equipment does not exist in system  and cancels the modification.  5a. Manager elects to “save” updates to Equipment information.  1a. Save is successful. See Postconditions.  1b. Save fails.  1a. System unable to find existing equipment.   1. Inform user to contact System Administrator.   1b. Error with 1 or more fields.   1. Modify Equipment view redisplayed, prepopulated with prior input, and Invalid fields marked / identifiable to user.   . 2. *Manager repeats 4-5 of Main Success Scenario*  5b. Manager elects to delete Equipment from the system.  1a. Delete is successful. User is given confirmation and  Postconditions occur.  1b. Delete fails (unexpected since Equipment was already l  located on search). Contact system administrator.  5c. Manager elects to cancel. Modify Equipment exits. |
| **Miscellaneous** |  |

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| **Use Case Section** | **Comment** |
| **Use Case Name** |  |
| **Actors** |  |
| **Preconditions** |  |
| **Postconditions** |  |
| **Main Success Scenario** |  |
| **Extensions** |  |
| **Miscellaneous** |  |

**Actor Pool:**

Manager (is an Employee)

Trainer (is an Employee)

Customer

Entities:

Gym

User

Equipment