



Use Case Name: Login to GGMS

Scope: Globo Gym Management System (GGMS)

Level: sub-function

Primary Actor: User

Stakeholders and Interests:

- User: Wants to be quickly authenticated as a Manager/Trainer in GGMS
- Manager: Wants to be quickly authenticated in GGMS
- Trainer: Wants to be quickly authenticated in GGMS
- GGMS: Wants to quickly authenticate credentials found in GGMS

Preconditions: User is not identified and authenticated.

Success Guarantee (or Postconditions): Manager/Trainer is identified and authenticated in GGMS.

Main Success Scenario (or Basic Flow):

1. User arrives at GGMS with a username and password.
2. User enters username and password
3. User logs in.

Extensions (or Alternative Flows):

- *a. At any time, GGMS fails:
 - 1. User restarts GGMS, logs in, and requests recovery of prior state.
 - 2. GGMS reconstructs prior state.
 - 2a. GGMS detects anomalies preventing recovery:
 - 1. GGMS signals error to User, records error, and enters clean state.
- 2a. Invalid information
 - 1. GGMS signals error and rejects data entered.
 - 2. User responds to error:
 - 2a. Error message indicates username is not found:
 - 1. Manager enters username into GGMS.
- 3a. Invalid login
 - 1. GGMS signals error and rejects entrance into GGMS.
 - 2. User responds to error:
 - 2a. Error message indicates password is incorrect:
 - 1. User enters password into GGMS.
 - 2b. Error message indicates username is incorrect:
 - 1. User enters username and password into GGMS.
 - 2c. Error message indicates network connection is not working:
 - 1. GGMS displays 404 response page until connection is working.
- 3a. User is authenticated as a Manager in GGMS
- 3b. User is authenticated as a Trainer in GGMS

Special Requirements:**Technology and Data Variations List:**

Frequency of Occurrence: Could be continuous.

Miscellaneous:

Use Case Name: Hire Trainer

Scope: GGMS

Level: user-goal

Primary Actor: Manager

Stakeholders and Interests:

- Manager: Wants to quickly enter a Trainer's new hire information into GGMS
- Trainer: Wants confirmation that their information is correctly entered into GGMS

Preconditions: Manager is identified and authenticated.

Success Guarantee: Trainer is entered into GGMS.

Main Success Scenario:

1. include(Login to GGMS)
2. Manager starts a Trainer form with new hire information.
3. Manager enters personal information which includes name, last name, address, phone, email, ID, and health insurance provider.
4. Manager enters work information which includes work hours and qualifications.
5. Manager submits new Trainer form with personal and work information filled in.

6. GGMS presents confirmation that a new Trainer was added to it.

Extensions:

*a. At any time, GGMS fails:

1. Manager restarts GGMS, logs in, and requests recovery of prior state.
2. GGMS reconstructs prior state.
 - 2a. GGMS detects anomalies preventing recovery:
 1. GGMS signals error to Manager, records error, and enters clean state.
 2. Manager starts a new Trainer form.

2a. Manager indicates to resume a suspended Trainer form

1. Manager logs in and performs resume Trainer form operation.
2. GGMS displays list of trainer forms in a suspended state.
 - 2a. Manager selects Trainer form to resume (sorted "Last Name, Name").
 1. GGMS displays Trainer form with fields completed prior to suspending.
 - 2b. Manager removes Trainer form not to be resumed.
 1. GGMS displays message that selected new Trainer's form was removed.

3-4a. Invalid information

1. GGMS signals error and rejects data entered.
2. Manager responds to error:
 - 2a. Error message indicates address is invalid:
 1. Manager enters address into GGMS.
 - 2b. Error message indicates phone number (10 digits) is invalid:
 1. Manager enters phone number into GGMS.
 - 2c. Error message indicates email is invalid:
 1. Manager enters email into GGMS.

5a. Submission fails

- 1a. GGMS signals error.
 1. Manager responds to error:
 - 1a. Error message indicates that there are empty field(s):
 1. Manager enters information into empty fields and submits form.
 - 1b. Error message indicates network connection is not working:
 1. GGMS displays 404 response page until connection is working.
- 1b. Manager cancels form
 1. GGMS displays message asking Manager to confirm if cancelling and losing information in form is desired.
 - 1a. Manager continues cancel
 1. GGMS displays Manager home page.
 - 2a. Manager does not cancel
 1. GGMS displays new trainer form with the fields completed prior to attempt at cancellation.

6a. GGMS does not display confirmation of Trainer creation.

1. GGMS signals error.
2. Manager responds to error:
 1. Error message indicates that confirmation request could not be completed and asks if manager would like to retry request.
 - 1a. Manager retries confirmation request.

1. GGMS displays result of request retry.
- 1b. Manager cancels retry of confirmation request.

Special Requirements:

- Address confirmation response within 30 seconds 90% of the time

Technology and Data Variations List:

Frequency of Occurrence: Could be continuous at special times but will mainly occur once every 2-4 months.

Miscellaneous:

Use Case Name: Register Customer

Scope: GGMS

Level: user-goal

Primary Actor: Manager

Stakeholders and Interests:

- Manager: Wants to quickly enter a new Customer's information into GGMS
- Customer: Wants confirmation that their information is correctly entered into GGMS

Preconditions: Manager is identified and authenticated.

Success Guarantee: Customer is entered into GGMS.

Main Success Scenario:

1. include(Login to GGMS)
2. Manager starts a Customer form with information for new registration.
3. Manager enters personal information which includes name, last name, address, phone, email, ID, and health insurance provider.
4. Manager sets Customer membership status to active.
5. Manager submits new Customer form with information filled in.
6. GGMS presents confirmation that a new Customer was added to it.

Extensions:

*a. At any time, GGMS fails:

1. Manager restarts GGMS, logs in, and requests recovery of prior state.
2. GGMS reconstructs prior state.
 - 2a. GGMS detects anomalies preventing recovery:
 1. GGMS signals error to Manager, records error, and enters clean state.
 2. Manager starts a new Customer form.
- 2a. Manager indicates to resume a suspended Customer form
 1. Manager logs in and performs resume Customer form operation.
 2. GGMS displays list of Customer forms in a suspended state.
 - 2a. Manager selects Customer form to resume (sorted "Last Name, Name").
 1. GGMS displays Customer form with fields completed prior to suspending.
 - 2b. Manager removes Customer form not to be resumed.
 1. GGMS displays message that selected new Customer's form was removed.
- 3a. Invalid information

1. GGMS signals error and rejects data entered.
2. Manager responds to error:
 - 2a. Error message indicates address is invalid:
 1. Manager enters address into GGMS.
 - 2b. Error message indicates phone number (10 digits) is invalid:
 1. Manager enters phone number into GGMS.
 - 2c. Error message indicates email is invalid:
 1. Manager enters email into GGMS.
- 4a. Manager sets Customer membership status to inactive
 1. GGMS displays message asking Manager to confirm if inactive membership status is desired
 - 1a. Manager confirms inactive status is correct
 1. GGMS displays "Inactive" in membership status field.
 - 1b. Manager does not confirm
 1. GGMS displays "Active" in membership status field.
- 5a. Submission fails
 - 1a. GGMS signals error.
 1. Manager responds to error:
 - 1a. Error message indicates that there are empty field(s):
 1. Manager enters information into empty fields and submits form.
 - 1b. Error message indicates network connection is not working:
 1. GGMS displays 404 response page until connection is working.
 - 1b. Manager cancels form
 1. GGMS displays message asking Manager to confirm if cancelling and losing information in form is desired.
 - 1a. Manager continues cancel
 1. GGMS displays Manager home page.
 - 2a. Manager does not cancel
 1. GGMS displays new Customer form with the fields completed prior to attempt at cancellation.
- 6a. GGMS does not display confirmation of Customer creation.
 1. GGMS signals error.
 2. Manager responds to error:
 1. Error message indicates that confirmation request could not be completed and asks if manager would like to retry request.
 - 1a. Manager retries confirmation request.
 1. GGMS displays result of request retry.
 - 1b. Manager cancels retry of confirmation request.

Special Requirements:

- Address confirmation response within 30 seconds 90% of the time

Technology and Data Variations List:

Frequency of Occurrence: Could be continuous at special times but will mainly occur once every 2-4 months.

Miscellaneous:

Use Case Name: Inventory Equipment

Scope: GGMS

Level: user-goal

Primary Actor: Manager

Stakeholders and Interests:

- Manager: Wants to quickly enter Equipment into GGMS Inventory
- Trainer: Wants all Equipment to be available in Inventory to plan workouts

Preconditions: Manager is identified and authenticated.

Success Guarantee: Equipment is added to GGMS Inventory.

Main Success Scenario:

1. include(Login to GGMS)
2. Manager starts an Inventory Item form with information to inventory gym equipment.
3. Manager enters information which includes name, picture, and quantity.
4. Manager submits new Inventory Item form with information filled in.
5. GGMS presents confirmation that a new Inventory Item was added to its Inventory.

Extensions:

*a. At any time, GGMS fails:

1. Manager restarts GGMS, logs in, and requests recovery of prior state.
2. GGMS reconstructs prior state.
 - 2a. GGMS detects anomalies preventing recovery:
 1. GGMS signals error to Manager, records error, and enters clean state.
 2. Manager starts a new Inventory Item form.
- 2a. Manager indicates to resume a suspended Inventory Item form
 1. Manager logs in and performs resume Inventory Item form operation.
 2. GGMS displays list of Inventory Item forms in a suspended state.
 - 2a. Manager selects Inventory Item form to resume (sorted by "Name").
 1. GGMS displays form with fields completed prior to suspending.
 - 2b. Manager removes Inventory Item form not to be resumed.
 1. GGMS displays message that selected new Inventory Item's form was removed.
- 3a. Invalid information
 1. GGMS signals error and rejects data entered.
 2. Manager responds to error:
 - 2a. Error message indicates picture is invalid:
 1. Manager enters picture into GGMS.
- 4a. Submission fails
 - 1a. GGMS signals error.
 1. Manager responds to error:
 - 1a. Error message indicates that there are empty field(s):
 1. Manager enters information into empty fields and submits form.
 - 1b. Error message indicates network connection is not working:
 1. GGMS displays 404 response page until connection is working.
 - 1b. Manager cancels form
 1. GGMS displays message asking Manager to confirm if cancelling and losing

information in form is desired.

- 1a. Manager continues cancel
 1. GGMS displays Manager home page.
- 2a. Manager does not cancel
 1. GGMS displays new Inventory Item form with the fields completed prior to attempt at cancellation.
- 5a. GGMS does not display confirmation of Inventory Item creation.
 1. GGMS signals error.
 2. Manager responds to error:
 1. Error message indicates that confirmation request could not be completed and asks if manager would like to retry request.
 - 1a. Manager retries confirmation request.
 1. GGMS displays result of request retry.
 - 1b. Manager cancels retry of confirmation request.

Special Requirements:

- Picture type confirmation response within 30 seconds 90% of the time

Technology and Data Variations List:

Frequency of Occurrence: Every 6 months – 1 year.

Miscellaneous:

Use Case Name: Modify Trainer

Scope: GGMS

Level: user-goal

Primary Actor: Manager

Stakeholders and Interests:

- Manager: Wants to quickly modify information about a Trainer in GGMS
- Trainer: Wants their information saved in GGMS to be current and correct

Preconditions: Manager is identified and authenticated.

Success Guarantee: Trainer is modified in GGMS.

Main Success Scenario:

1. include(Login to GGMS)
2. Manager selects Trainer to be modified.
3. Manager modifies personal or work information which can include name, last name, address, phone, email, ID, and health insurance provider or work hours and qualifications.
4. Manager submits Trainer form with modified information.
5. GGMS presents confirmation that a Trainer was successfully modified.

Extensions:

- *a. At any time, GGMS fails:
 1. Manager restarts GGMS, logs in, and requests recovery of prior state.
 2. GGMS reconstructs prior state.
 - 2a. GGMS detects anomalies preventing recovery:

1. GGMS signals error to Manager, records error, and enters clean state.
- 2a. Manager indicates to resume a suspended Trainer form
 1. Manager logs in and performs resume Trainer form operation.
2. GGMS displays list of Trainer forms in a suspended state.
 - 2a. Manager selects Trainer form to resume (sorted "Last Name, Name")
 1. GGMS displays Trainer form with fields completed prior to suspending.
 - 2b. Manager removes Trainer form not to be resumed.
 1. GGMS displays message that selected new Trainer's form was removed.
- 2b. Manager indicates to return to home.
 1. GGMS displays GGMS home.
- 3a. Invalid information
 1. GGMS signals error and rejects data entered.
 2. Manager responds to error:
 - 2a. Error message indicates address is invalid:
 1. Manager enters address into GGMS.
 - 2b. Error message indicates phone number (10 digits) is invalid:
 1. Manager enters phone number into GGMS.
 - 2c. Error message indicates email is invalid:
 1. Manager enters email into GGMS
- 4a. Submission fails
 - 1a. GGMS signals error.
 1. Manager responds to error:
 - 1a. Error message indicates that there are empty field(s):
 1. Manager enters information into empty fields and submits form.
 - 1b. Error message indicates network connection is not working:
 1. GGMS displays 404 response page until connection is working.
 - 1b. Manager cancels form
 1. GGMS displays message asking Manager to confirm if cancelling and losing information in form is desired.
 - 1a. Manager continues cancel
 1. GGMS displays Manager home page.
 - 2a. Manager does not cancel
 1. GGMS displays Trainer form with the fields completed prior to attempt at cancellation.
- 5a. GGMS does not display confirmation of Trainer modification.
 1. GGMS signals error.
 2. Manager responds to error:
 1. Error message indicates that confirmation request could not be completed and asks if manager would like to retry request.
 - 1a. Manager retries confirmation request.
 1. GGMS displays result of request retry.
 - 1b. Manager cancels retry of confirmation request.

Special Requirements:

- Address confirmation response within 30 seconds 90% of the time

Technology and Data Variations List:

Frequency of Occurrence: Could be continuous during the holidays (i.e., due to modification of work hours) but should not occur more than once a year.

Miscellaneous:

Use Case Name: Modify Customer

Scope: GGMS

Level: user-goal

Primary Actor: Manager

Stakeholders and Interests:

- Manager: Wants to quickly modify information about a Customer in GGMS
- Customer: Wants their information saved in GGMS to be current and correct

Preconditions: Manager is identified and authenticated.

Success Guarantee: Customer is modified in GGMS.

Main Success Scenario:

1. include(Login to GGMS)
2. Manager selects Customer to be modified.
3. Manager modifies information which can include name, last name, address, phone, email, ID, and health insurance provider or membership status.
4. Manager submits Customer form with modified information.
5. GGMS presents confirmation that a Customer was successfully modified.

Extensions:

*a. At any time, GGMS fails:

1. Manager restarts GGMS, logs in, and requests recovery of prior state.
2. GGMS reconstructs prior state.
 - 2a. GGMS detects anomalies preventing recovery:
 1. GGMS signals error to Manager, records error, and enters clean state.
- 2a. Manager indicates to resume a suspended Customer form
 1. Manager logs in and performs resume Customer form operation.
 2. GGMS displays list of Customer forms in a suspended state.
 - 2a. Manager selects Customer form to resume (sorted by "Last Name, Name").
 1. GGMS displays Customer form with fields completed prior to suspending.
 - 2b. Manager removes Customer form not to be resumed.
 1. GGMS displays message that selected new Customer's form was removed.
- 2b. Manager indicates to return to home.
 1. GGMS displays GGMS home.
- 3a. Invalid information
 1. GGMS signals error and rejects data entered.
 2. Manager responds to error:
 - 2a. Error message indicates address is invalid:
 1. Manager enters address into GGMS.
 - 2b. Error message indicates phone number (10 digits) is invalid:
 1. Manager enters phone number into GGMS.

- 2c. Error message indicates email is invalid:
 - 1. Manager enters email into GGMS
- 4a. Submission fails
 - 1a. GGMS signals error.
 - 1. Manager responds to error:
 - 1a. Error message indicates that there are empty field(s):
 - 1. Manager enters information into empty fields and submits form.
 - 1b. Error message indicates network connection is not working:
 - 1. GGMS displays 404 response page until connection is working.
 - 1b. Manager cancels form
 - 1. GGMS displays message asking Manager to confirm if cancelling and losing information in form is desired.
 - 1a. Manager continues cancel
 - 1. GGMS displays Manager home page.
 - 2a. Manager does not cancel
 - 1. GGMS displays Customer form with the fields completed prior to attempt at cancellation.
- 5a. GGMS does not display confirmation of Trainer modification.
 - 1. GGMS signals error.
 - 2. Manager responds to error:
 - 1. Error message indicates that confirmation request could not be completed and asks if manager would like to retry request.
 - 1a. Manager retries confirmation request.
 - 1. GGMS displays result of request retry.
 - 1b. Manager cancels retry of confirmation request.

Special Requirements:

- Address confirmation response within 30 seconds 90% of the time

Technology and Data Variations List:

Frequency of Occurrence: Should not occur more than once a year if at all.

Miscellaneous:

Use Case Name: Modify Inventory

Scope: GGMS

Level: user-goal

Primary Actor: Manager

Stakeholders and Interests:

- Manager: Wants to quickly modify information about Equipment in GGMS Inventory
- Trainer: Wants Equipment information to be current and correct in GGMS Inventory to plan workouts

Preconditions: Manager is identified and authenticated.

Success Guarantee: Inventory Item is modified in GGMS Inventory

Main Success Scenario:

- 1. include(Login to GGMS)

2. Manager selects Inventory Item to be modified.
3. Manager modifies information which can include name, picture, and quantity.
4. Manager submits Inventory Item form with modified information.
5. GGMS presents confirmation that an Inventory Item was successfully modified.

Extensions:

- *a. At any time, GGMS fails:
 1. Manager restarts GGMS, logs in, and requests recovery of prior state.
 2. GGMS reconstructs prior state.
 - 2a. GGMS detects anomalies preventing recovery:
 1. GGMS signals error to Manager, records error, and enters clean state.
- 2a. Manager indicates to resume a suspended Inventory Item form
 1. Manager logs in and performs resume Inventory Item form operation.
 2. GGMS displays list of Inventory Item forms in a suspended state.
 - 2a. Manager selects Inventory Item form to resume (sorted by "Name").
 1. GGMS displays Inventory Item form with fields completed prior to suspending.
 - 2b. Manager removes Inventory Item form not to be resumed.
 1. GGMS displays message that selected new Inventory Item's form was removed.
- 2b. Manager indicates to return to home.
 1. GGMS displays GGMS home.
- 3a. Invalid information
 1. GGMS signals error and rejects data entered.
 2. Manager responds to error:
 - 2a. Error message indicates picture is invalid:
 1. Manager enters picture into GGMS.
- 4a. Submission fails
 - 1a. GGMS signals error.
 1. Manager responds to error:
 - 1a. Error message indicates that there are empty field(s):
 1. Manager enters information into empty fields and submits form.
 - 1b. Error message indicates network connection is not working:
 1. GGMS displays 404 response page until connection is working.
 - 1b. Manager cancels form
 1. GGMS displays message asking Manager to confirm if cancelling and losing information in form is desired.
 - 1a. Manager continues cancel
 1. GGMS displays Manager home page.
 - 2a. Manager does not cancel
 1. GGMS displays Inventory Item form with the fields completed prior to attempt at cancellation.
- 5a. GGMS does not display confirmation of Inventory Item modification.
 1. GGMS signals error.
 2. Manager responds to error:
 1. Error message indicates that confirmation request could not be completed

and asks if manager would like to retry request.

1a. Manager retries confirmation request.

1. GGMS displays result of request retry.

1b. Manager cancels retry of confirmation request.

Special Requirements:

- Picture type confirmation response within 30 seconds 90% of the time

Technology and Data Variations List:

Frequency of Occurrence: Every 6 months – 1 year.

Miscellaneous:

Use Case Name: Create Routine

Scope: GGMS

Level: user-goal

Primary Actor: Trainer

Stakeholders and Interests:

- Trainer: Wants to quickly enter a Routine into GGMS

- Customer: Wants all Routines to be available in GGMS

Preconditions: Trainer is identified and authenticated.

Success Guarantee: Routine is entered in GGMS.

Main Success Scenario:

1. include(Login to GGMS)

2. Trainer starts a Routine form.

3. Trainer enters information which includes a name and series of exercises where an exercise includes a name and can include a machine, duration (in time) or number of sets and repetitions per set

4. Trainer submits new Routine form with information filled in.

5. GGMS presents confirmation that new Routine was added to it.

Extensions:

*a. At any time, GGMS fails:

1. Trainer restarts GGMS, logs in, and requests recovery of prior state.

2. GGMS reconstructs prior state.

2a. GGMS detects anomalies preventing recovery:

1. GGMS signals error to Trainer, records error, and enters clean state.

2. Trainer starts a new Routine form.

2a. Trainer indicates to resume a suspended Routine form

1. Trainer logs in and performs resume Routine form operation.

2. GGMS displays list of Routine forms in a suspended state.

2a. Trainer selects Routine form to resume (sorted by "Name").

1. GGMS displays Routine form with fields completed prior to suspending.

2b. Trainer removes Routine form not to be resumed.

1. GGMS displays message that selected new Routine's form was removed.

3a. Invalid information

1. GGMS signals error and rejects data entered.
2. Trainer responds to error:
 - 2a. Error message indicates an exercise is invalid:
 1. Trainer enters name (unique) into GGMS.
- 4a. Submission fails
 - 1a. GGMS signals error.
 1. Trainer responds to error:
 - 1a. Error message indicates that there are empty field(s):
 1. Trainer enters information into empty fields and submits form.
 - 1b. Error message indicates network connection is not working:
 1. GGMS displays 404 response page until connection is working.
 - 1b. Trainer cancels form
 1. GGMS displays message asking Trainer to confirm if cancelling and losing information in form is desired.
 - 1a. Trainer continues cancel
 1. GGMS displays Trainer home page.
 - 1b. Trainer does not cancel
 1. GGMS displays Routine form with fields completed prior to attempt at cancellation.
 - 5a. GGMS does not display confirmation of Inventory Item modification.
 1. GGMS signals error.
 2. Trainer responds to error:
 1. Error message indicates that confirmation request could not be completed and asks if manager would like to retry request.
 - 1a. Trainer retries confirmation request.
 1. GGMS displays result of request retry.
 - 1b. Trainer cancels retry of confirmation request.

Special Requirements:

- Name uniqueness confirmation response within 30 seconds 90% of the time

Technology and Data Variations List:

Frequency of Occurrence: Could be continuous at special times (start of new year, wedding season, etc.) but will mainly occur every 1-2 weeks.

Miscellaneous:

Use Case Name: Modify Routine

Scope: GGMS

Level: user-goal

Primary Actor: Trainer

Stakeholders and Interests:

- Trainer: Wants to quickly modify information about a Routine in GGMS
- Customer: Wants information for all Routines in GGMS to be current and correct

Preconditions: Trainer is identified and authenticated.

Success Guarantee: Routine is modified in GGMS.

Main Success Scenario:

1. include(Login to GGMS)
2. Trainer selects Routine to be modified.
3. Trainer modifies information which includes a name and series of exercises where an exercise includes a name and can include a machine, duration (in time) or number of sets and repetitions per set
4. Trainer submits Routine form with modified information.
5. GGMS presents confirmation that a Routine was successfully modified.

Extensions:

- *a. At any time, GGMS fails:
 1. Trainer restarts GGMS, logs in, and requests recovery of prior state.
 2. GGMS reconstructs prior state.
 - 2a. GGMS detects anomalies preventing recovery:
 1. GGMS signals error to Trainer, records error, and enters clean state.
- 2a. Trainer indicates to resume a suspended Routine form
 1. Trainer logs in and performs resume Routine form operation.
 2. GGMS displays list of Routine forms in a suspended state.
 - 2a. Trainer selects Routine form to resume (sorted by "Name").
 1. GGMS displays Routine form with fields completed prior to suspending.
 - 2b. Trainer removes Routine form not to be resumed.
 1. GGMS displays message that selected new Routine's form was removed.
- 2b. Trainer indicates to return to home.
 1. GGMS displays GGMS home.
- 3a. Invalid information
 1. GGMS signals error and rejects data entered.
 2. Trainer responds to error:
 - 2a. Error message indicates an exercise is invalid:
 1. Trainer enters name (unique) into GGMS.
- 4a. Submission fails
 - 1a. GGMS signals error.
 1. Trainer responds to error:
 - 1a. Error message indicates that there are empty field(s):
 1. Trainer enters information into empty fields and submits form.
 - 1b. Error message indicates network connection is not working:
 1. GGMS displays 404 response page until connection is working.
 - 1b. Trainer cancels form
 1. GGMS displays message asking Trainer to confirm if cancelling and losing information in form is desired.
 - 1a. Trainer continues cancel
 1. GGMS displays Trainer home page.
 - 1b. Trainer does not cancel
 1. GGMS displays Routine form with fields completed prior to attempt at cancellation.
- 5a. GGMS does not display confirmation of Inventory Item modification.
 1. GGMS signals error.

2. Trainer responds to error:
 1. Error message indicates that confirmation request could not be completed and asks if manager would like to retry request.
 - 1a. Trainer retries confirmation request.
 1. GGMS displays result of request retry.
 - 1b. Trainer cancels retry of confirmation request.

Special Requirements:

- Name uniqueness confirmation response within 30 seconds 90% of the time

Technology and Data Variations List:

Frequency of Occurrence: Could be continuous at special times (start of new year, wedding season, etc.) but will mainly occur every 1-2 weeks.

Miscellaneous:

Use Case Name: Assign Routine

Scope: GGMS

Level: user-goal

Primary Actor: Trainer

Stakeholders and Interests:

- Trainer: Wants to quickly assign one or more Routine(s) to a Customer in GGMS
- Customer: Wants information for all assigned Routines in GGMS to be current and correct

Preconditions: Trainer is identified and authenticated.

Success Guarantee: Routine(s) is/are assigned to a Customer in GGMS.

Main Success Scenario:

1. include(Login to GGMS)
2. Trainer starts an Assign Routine form
3. Trainer enters Routine information ("Last Name, Name") and Customer information ("Last Name, Name")
4. Trainer submits Assign Routine form.
5. GGMS presents confirmation that Routine(s) was/were assigned to a Customer.

Extensions:

*a. At any time, GGMS fails:

1. Trainer restarts GGMS, logs in, and requests recovery of prior state.
2. GGMS reconstructs prior state.
 - 2a. GGMS detects anomalies preventing recovery:
 1. GGMS signals error to Trainer, records error, and enters clean state.
- 2a. Trainer indicates to resume a suspended Assign Routine form
 1. Trainer logs in and performs resume Assign Routine form operation.
 2. GGMS displays list of Assign Routine forms in a suspended state.
 - 2a. Trainer selects Assign Routine form to resume (sorted by Customer "Name" and Routine "Name").
 1. GGMS displays Assign Routine form with fields completed prior to

- suspending.
- 2b. Trainer removes Assign Routine form not to be resumed.
 - 1. GGMS displays message that selected new Assign Routine's form was removed.
- 3a. Invalid information
 - 1. GGMS signals error and rejects data entered.
 - 2. Trainer responds to error:
 - 2a. Error message indicates a Routine is invalid:
 - 1. Trainer enters Routine name (unique) into GGMS.
 - 2b. Error message indicates a Customer is invalid:
 - 1. Trainer enters Customer name into GGMS.
- 5a. Submission fails
 - 1a. GGMS signals error.
 - 1. Trainer responds to error:
 - 1a. Error message indicates that there are empty fields:
 - 1. Trainer enters information into empty fields and submits form.
 - 1b. Error message indicates network connection is not working:
 - 1. GGMS displays 404 response page until connection is working.
 - 1b. Trainer cancels form
 - 1. GGMS displays message asking Trainer to confirm if cancelling and losing information in form is desired.
 - 1a. Trainer continues cancel
 - 1. GGMS displays Trainer home page.
 - 1b. Trainer does not cancel
 - 1. GGMS displays Assign Routine form with the fields completed prior to attempt at cancellation.
- 7a. GGMS does not display confirmation of Routine assignment.
 - 1. GGMS signals error.
 - 2. Trainer responds to error:
 - 1. Error message indicates that confirmation request could not be completed and asks if manager would like to retry request.
 - 1a. Trainer retries confirmation request.
 - 1. GGMS displays result of request retry.
 - 1b. Trainer cancels retry of confirmation request.

Special Requirements:

Technology and Data Variations List:

Frequency of Occurrence: Could be continuous at special times (start of new year, wedding season, etc.) but will mainly occur every 1-2 weeks.

Miscellaneous:

Use Case Name: Search GGMS

Scope: GGMS

Level: user-goal

Primary Actor: Trainer

Stakeholders and Interests:

- Trainer: Wants to quickly search GGMS for a Customer or Routine to see a list of its assigned Routine(s) or a list of Customers not assigned to it, respectively
- Customer: Wants their assigned Routine(s) in GGMS to be current and correct

Preconditions: Trainer is identified and authenticated.

Success Guarantee: Search is performed against a list. A list of results is returned.

Main Success Scenario:

1. include(Login to GGMS)
2. Trainer starts a new Search form.
3. Trainer enters a Customer or Routine name into the Search Term field.
4. Trainer submits form with the Search Term field completed.
5. GGMS presents Search results by displaying Customer or Routine name along with its list of assigned Routine(s) or a list of Customers not assigned to it, respectively.

Extensions:

- *a. At any time, GGMS fails:
 1. Trainer restarts GGMS, logs in, and requests recovery of prior state.
 2. GGMS reconstructs prior state.
 - 2a. GGMS detects anomalies preventing recovery:
 1. GGMS signals error to Trainer, records error, and enters clean state.
- 2a. Trainer indicates to resume a suspended Search form
 1. Trainer logs in and performs resume Search form operation.
 2. GGMS displays list of Search forms in a suspended state.
 - 2a. Trainer selects Search form to resume (sorted by "Search Term").
 1. GGMS displays Search form with fields completed prior to suspending.
 - 2b. Trainer removes Search form not to be resumed.
 1. GGMS displays message that selected new Search form was removed.
- 3a. Invalid information
 1. GGMS signals error and rejects data entered.
 2. Trainer responds to error:
 - 2a. Error message indicates a Routine is invalid:
 1. Trainer enters Routine name (unique) into GGMS.
 - 2b. Error message indicates a Customer is invalid:
 1. Trainer enters Customer name into GGMS.
- 4a. Submission fails
 - 1a. GGMS signals error.
 1. Trainer responds to the error:
 - 1a. The error message indicates that there is no Search Term filled in:
 1. Trainer enters name in Search Term field and submits Search form.
 - 1b. The error message indicates network connection is not working:
 1. GGMS displays 404 response page until connection is working.
 - 1b. Trainer cancels form
 1. GGMS displays message asking Trainer to confirm if cancelling and losing information in form is desired.
 - 1a. Trainer continues cancel

1. GGMS displays Trainer home page.
- 1b. Trainer does not cancel
 1. GGMS displays Search form with the field completed prior to attempt at cancellation.
- 6a. GGMS does not display Search results.
 1. GGMS signals error.
 2. Trainer responds to the error:
 1. Error message indicates that confirmation request could not be completed and asks if Trainer would like to retry request.
 - 1a. Trainer retries confirmation request.
 1. GGMS displays result of request retry.
 - 1b. Trainer cancels retry of confirmation request.

Special Requirements:

- Search confirmation response received within 30 seconds 90% of the time

Technology and Data Variations List:

Frequency of Occurrence: Could be continuous at special times (start of new year, wedding season, etc.) but will mainly occur every 1-2 weeks.

Miscellaneous:
