

Florida International University
School of Computing and Information Sciences

Feature documents

Project Title: BOLO. Be on The Look Out v.12.0

Team Members:

Jacqueline Castro
Yevanis Garcia

Product Owner(s):

Jason Cohen
Frank Alvarado

Mentor & Instructor:

Dr. Masoud Sadjadi

BOLO-28: Basic User (Tier 1) Permissions

Name: [Jacqueline Castro](#)

Team Member(s): [Jacqueline Castro](#) [Yevanis Garcia](#)

Project: BOLO Spring 2019

Product Owner(s): Jason Cohen, Frank Alvarado

Mentor(s): [Masoud Sadjadi](#)

Instructor: [Masoud Sadjadi](#)

Description

As a basic user (Tier 1), I can create, view, and edit my own BOLOs.

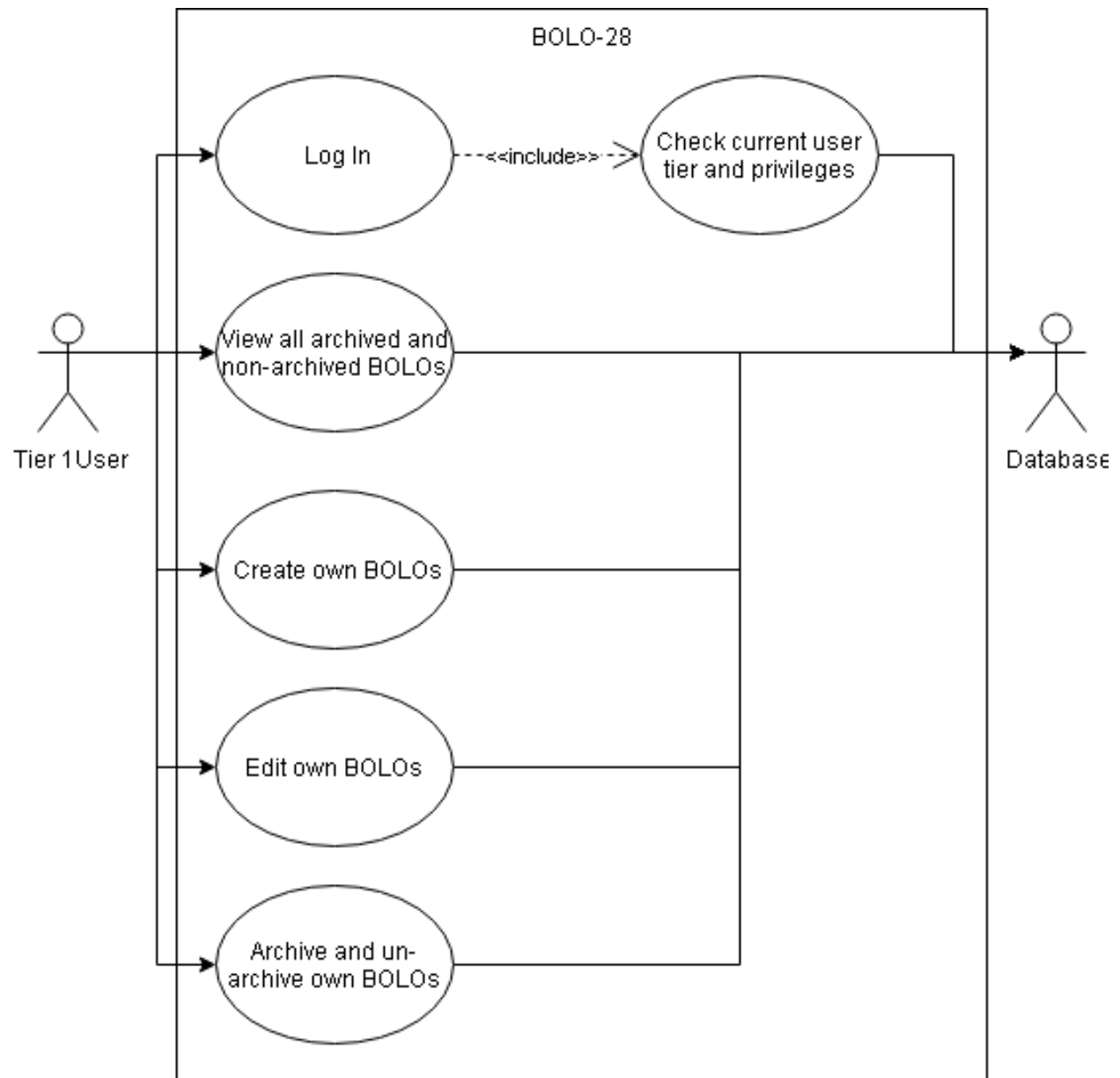
Acceptance criteria:

- A Tier 1 user can view all BOLOs that have been created and archived.
- A Tier 1 user can create their own BOLOs.
- A Tier 1 user can edit their own BOLOs.
- A Tier 1 user can archive and un-archive their own BOLOs.
- A Tier 1 user does not have access to the admin dashboard or admin privileges.

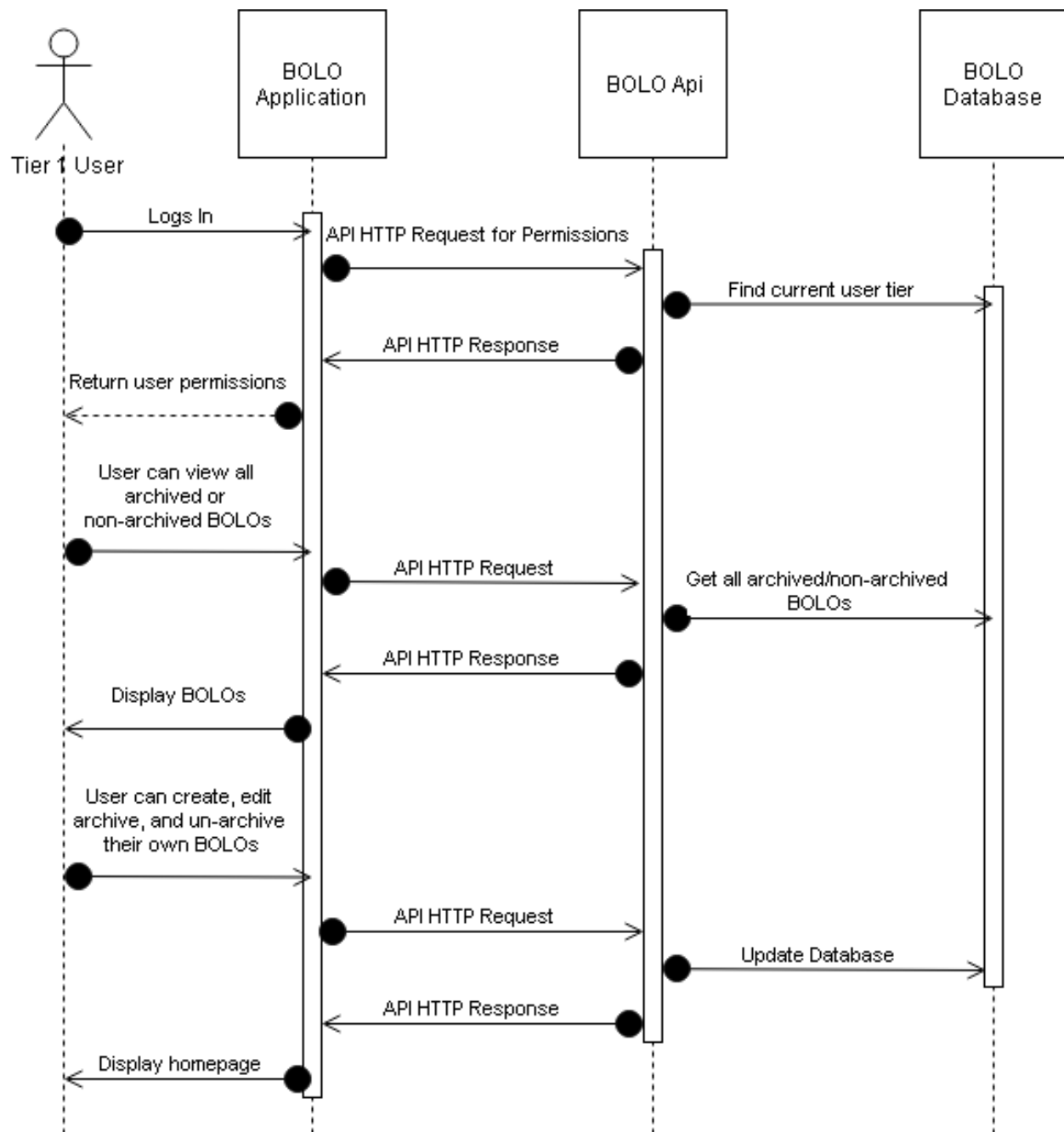
Use Case

- **Name:** BOLO-28
- **Actor:** Basic User (Tier 1)
- **Preconditions:**
 - The user should have a valid account and be a Tier 1 user.
- **Description <Flow of events>:**
 - When a tier 1 user is created, or logs in, they will not have access to the admin dashboard, they are able to view all archived and non-archived BOLOs, create their own BOLOs, and edit/archive/un-archive their own BOLOs.

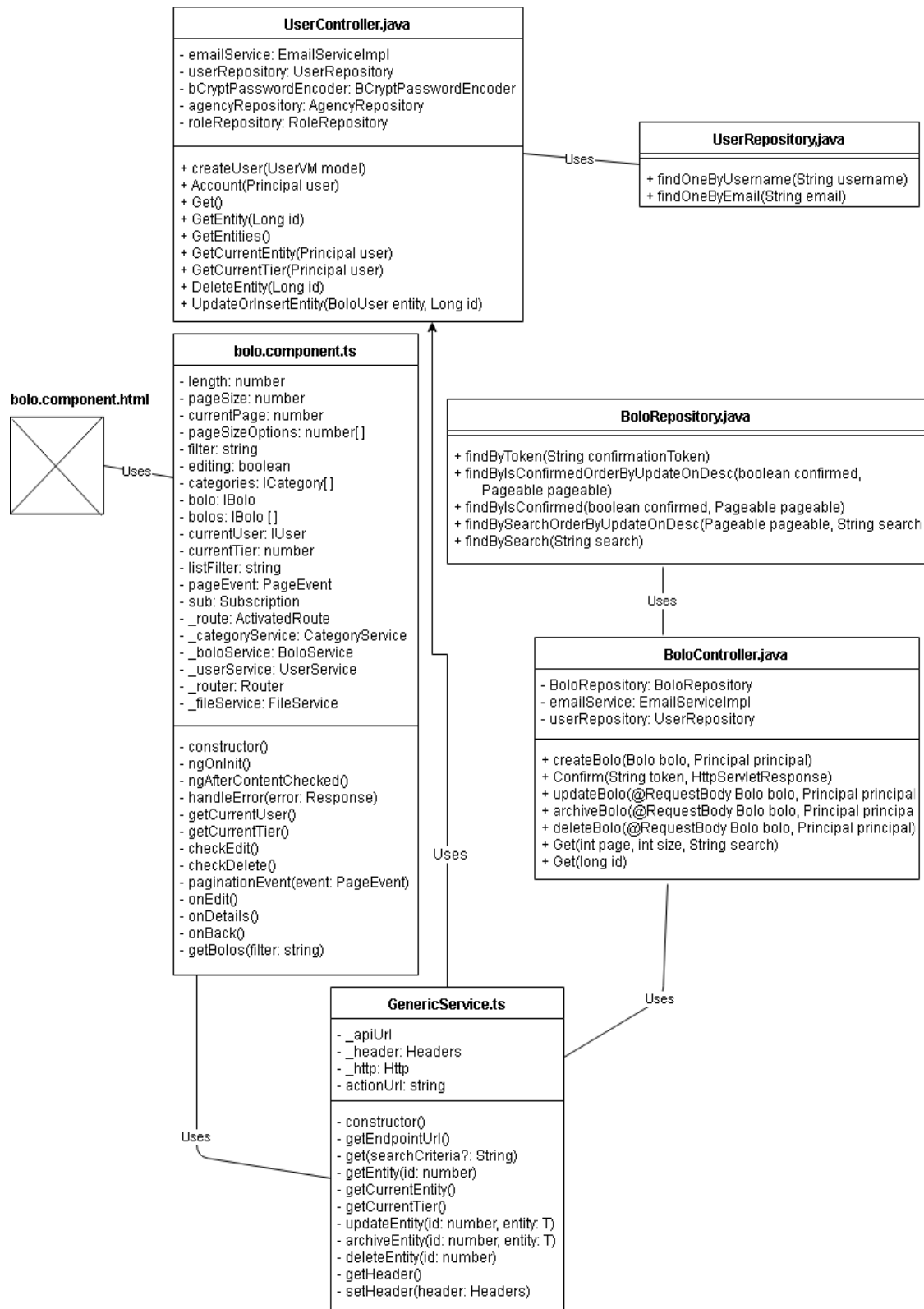
Use Case Diagram



Sequence Diagram



Class Diagram



Visual User Guide

<https://youtu.be/ITqgFXxKHb0>

BOLO-30: Administrator (Tier 3)

Permissions

Name: [Jacqueline Castro](#)

Team Member(s): [Jacqueline Castro](#) [Yevanis Garcia](#)

Project: BOLO Spring 2019

Product Owner(s): Jason Cohen, Frank Alvarado

Mentor(s): [Masoud Sadjadi](#)

Instructor: [Masoud Sadjadi](#)

Description

As an administrator (Tier 3), I can perform the same functions as a Tier 1 or Tier 2 user, in addition to being able to add/remove/edit Tier 1, Tier 2, and Tier 3 users within my agency.

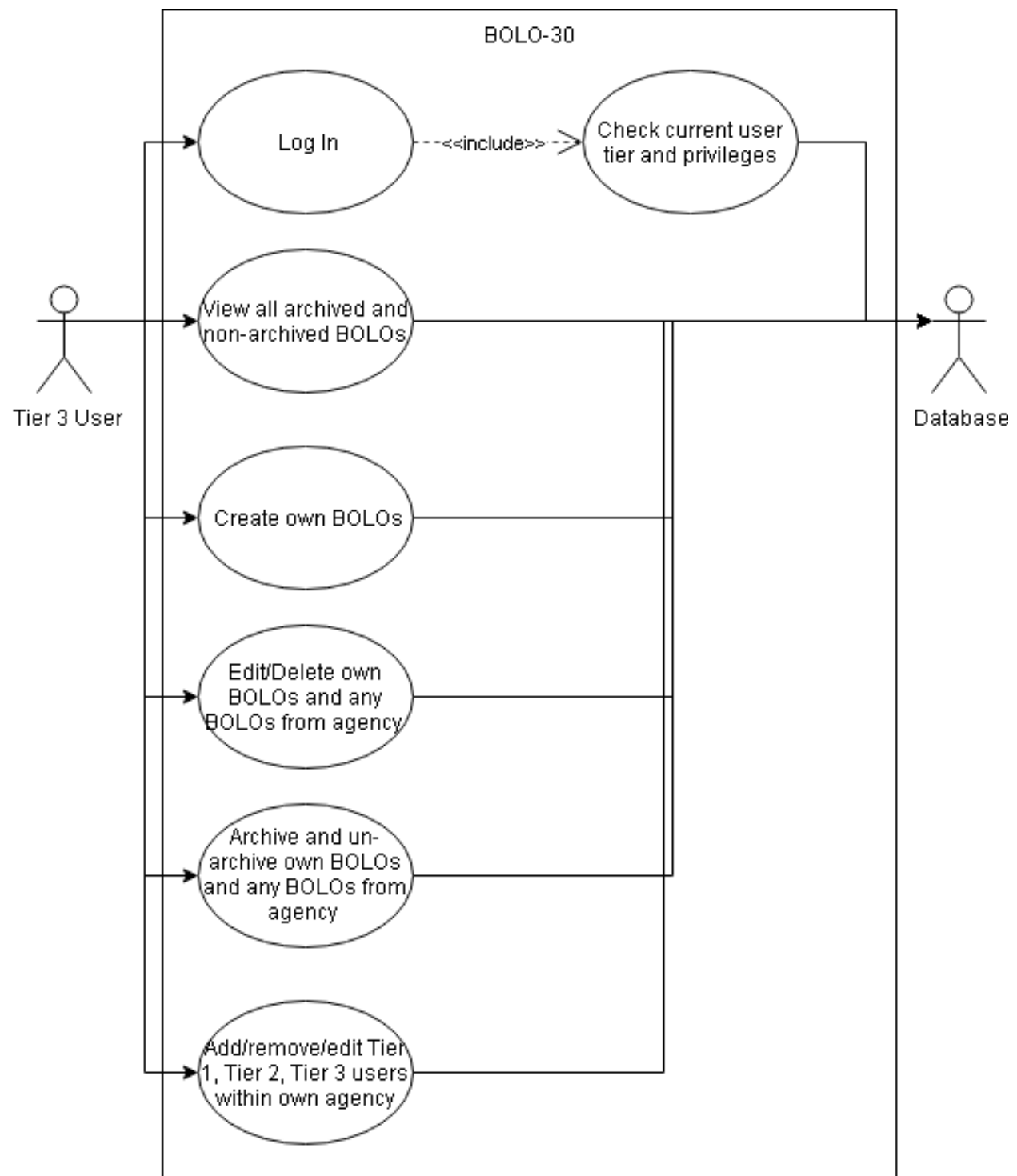
Acceptance criteria:

- A Tier 3 user can view all BOLOs that have been created and archived.
- A Tier 3 user can create their own BOLOs.
- A Tier 3 user can edit their own BOLOs.
- A Tier 3 user can edit the BOLOs from their own agency.
- A Tier 3 user can archive and un-archive their own BOLOs.
- A Tier 3 user can archive and un-archive the BOLOs from their own agency.
- A Tier 3 user can delete their own BOLOs.
- A Tier 3 user can delete the BOLOs from their own agency.
- A Tier 3 user has access to the user management on the admin dashboard.
- A Tier 3 user can add/remove/edit Tier 1, Tier 2, and Tier 3 users within their own agency.

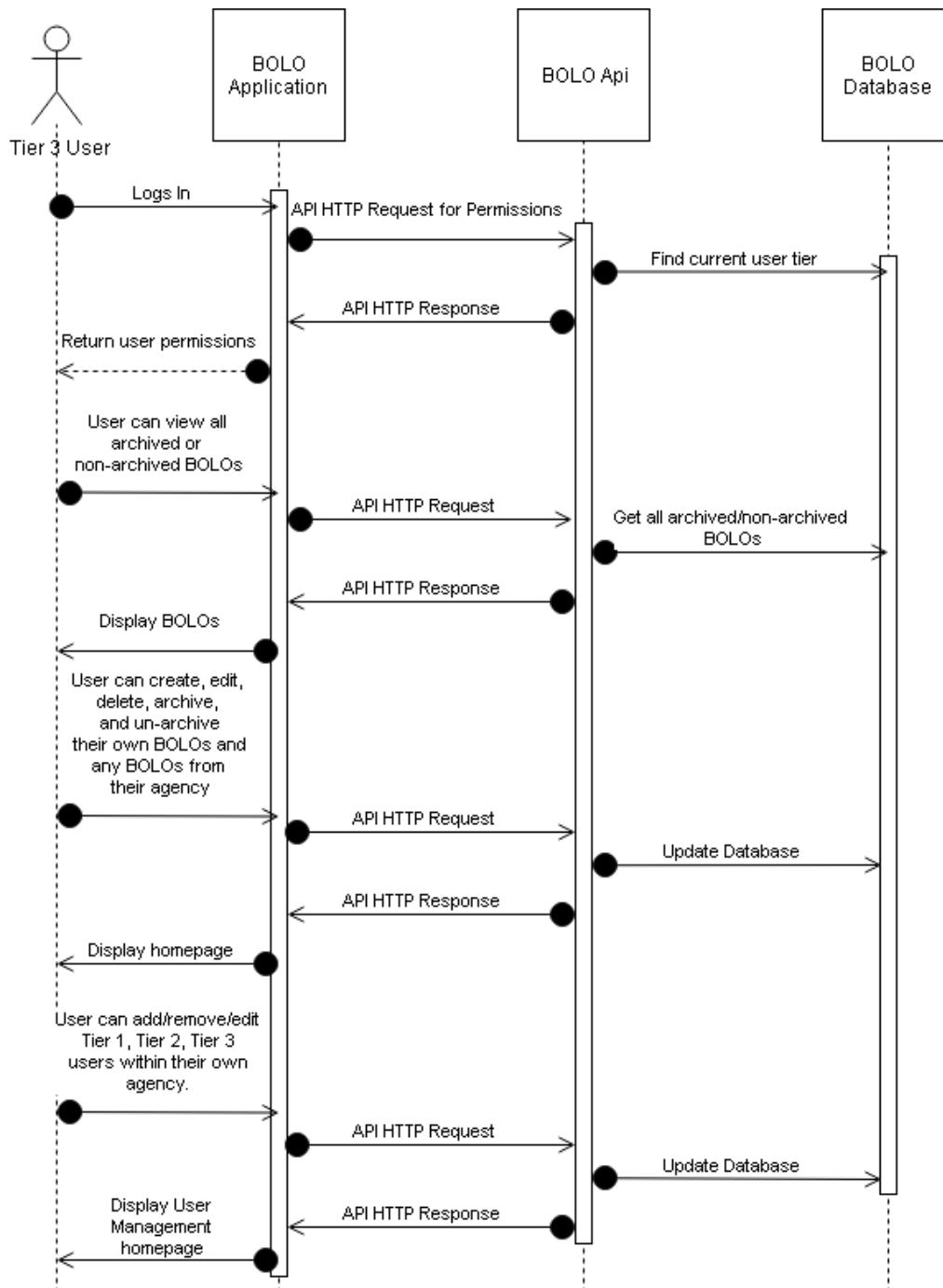
Use Case

- **Name:** BOLO-30
- **Actor:** Administrator (Tier 3)
- **Preconditions:**
 - The user should have a valid account and be a Tier 3 user.
- **Description <Flow of events>:**
 - When a Tier 3 user is created, or logs in, they will have access to the user management in the admin dashboard and they will be able to add/remove/edit Tier 1, Tier 2, and Tier 3 users within their own agency. They will also be able to view all archived and non-archived BOLOs, create their own BOLOs, and edit/archive/un-archive/delete their own BOLOs as well as any BOLOs from their own agency.

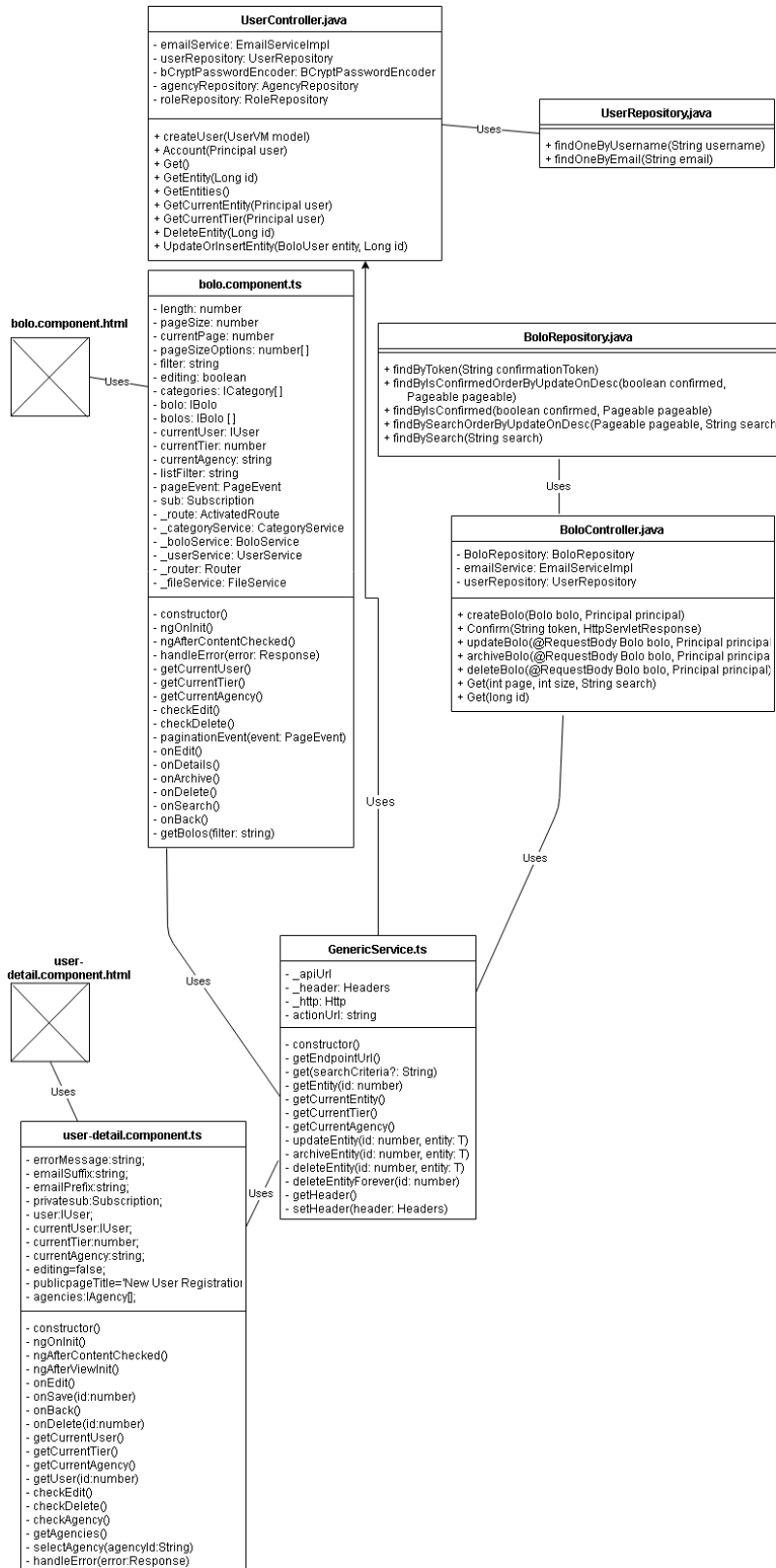
Use Case Diagram



Sequence Diagram



Class Diagram



Visual User Guide

<https://youtu.be/KJViLGahOC8>

BOLO-31: Supervisor (Tier 2) Permissions

Name: [Jacqueline Castro](#)

Team Member(s): [Jacqueline Castro](#) [Yevanis Garcia](#)

Project: BOLO Spring 2019

Product Owner(s): Jason Cohen, Frank Alvarado

Mentor(s): [Masoud Sadjadi](#)

Instructor: [Masoud Sadjadi](#)

Description

As a supervisor (Tier 2), I can create, view, and edit my own BOLOs, as well as any BOLOs from my agency.

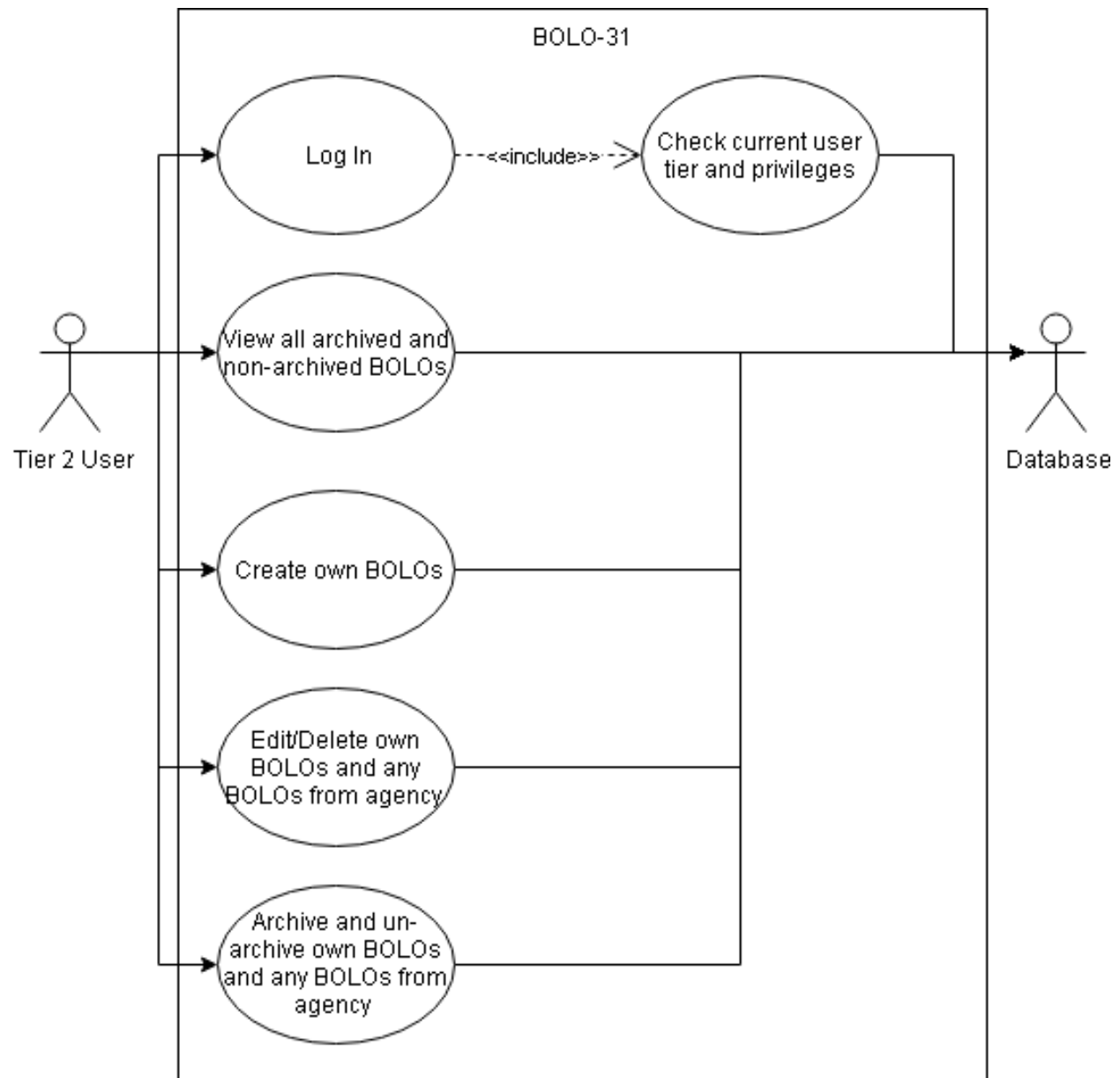
Acceptance criteria:

- A Tier 2 user can view all BOLOs that have been created and archived.
- A Tier 2 user can create their own BOLOs.
- A Tier 2 user can edit their own BOLOs.
- A Tier 2 user can edit the BOLOs from their own agency.
- A Tier 2 user can archive and un-archive their own BOLOs.
- A Tier 2 user can archive and un-archive the BOLOs from their own agency.
- A Tier 2 user can delete their own BOLOs.
- A Tier 2 user can delete the BOLOs from their own agency.
- A Tier 2 user does not have access to the admin dashboard or admin privileges.

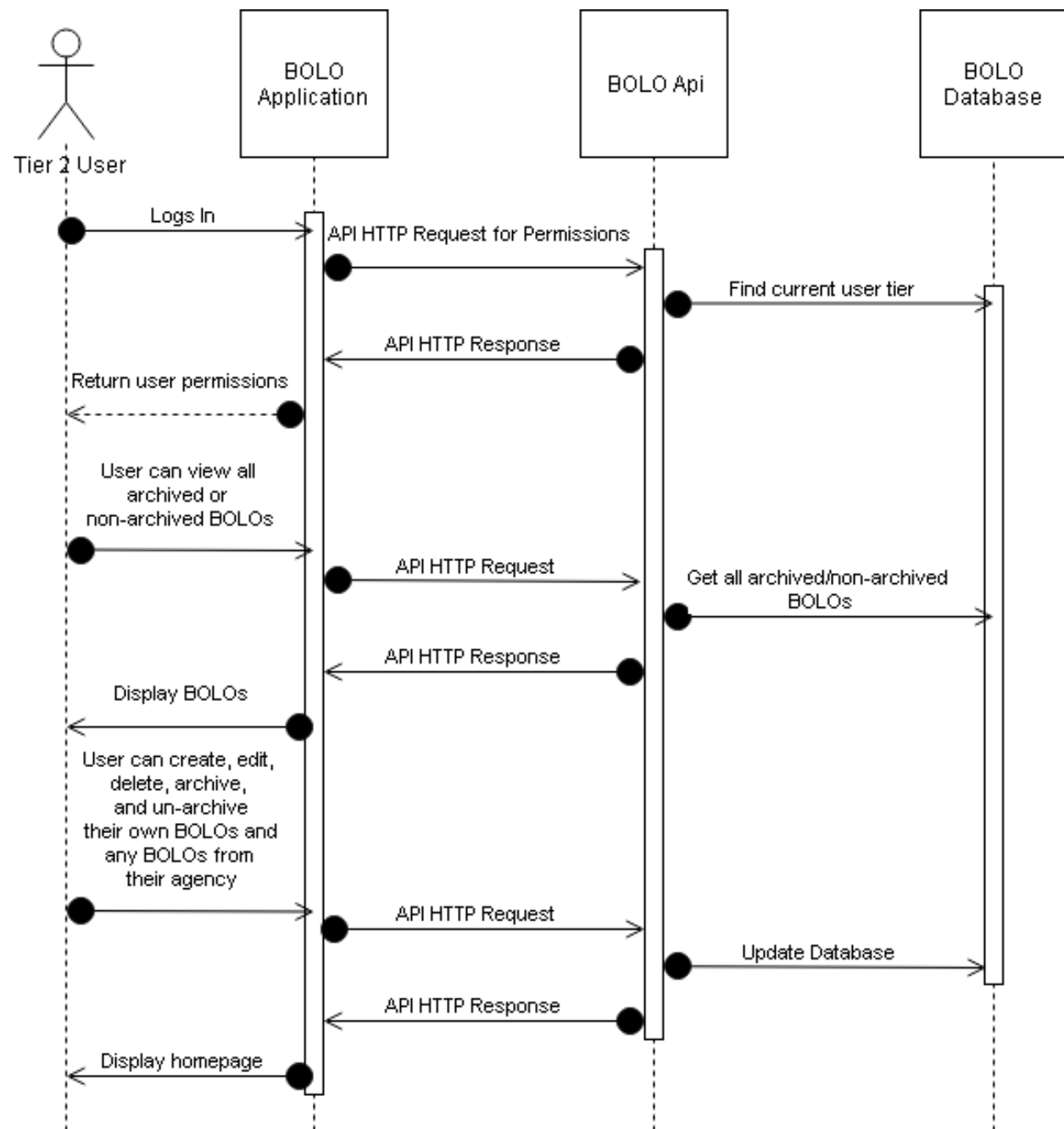
Use Case

- **Name:** BOLO-31
- **Actor:** Supervisor (Tier 2)
- **Preconditions:**
 - The user should have a valid account and be a Tier 2 user.
- **Description <Flow of events>:**
 - When a tier 2 user is created, or logs in, they will not have access to the admin dashboard, they are able to view all archived and non-archived BOLOs, create their own BOLOs, and edit/archive/un-archive/delete their own BOLOs as well as any BOLOs from their own agency.

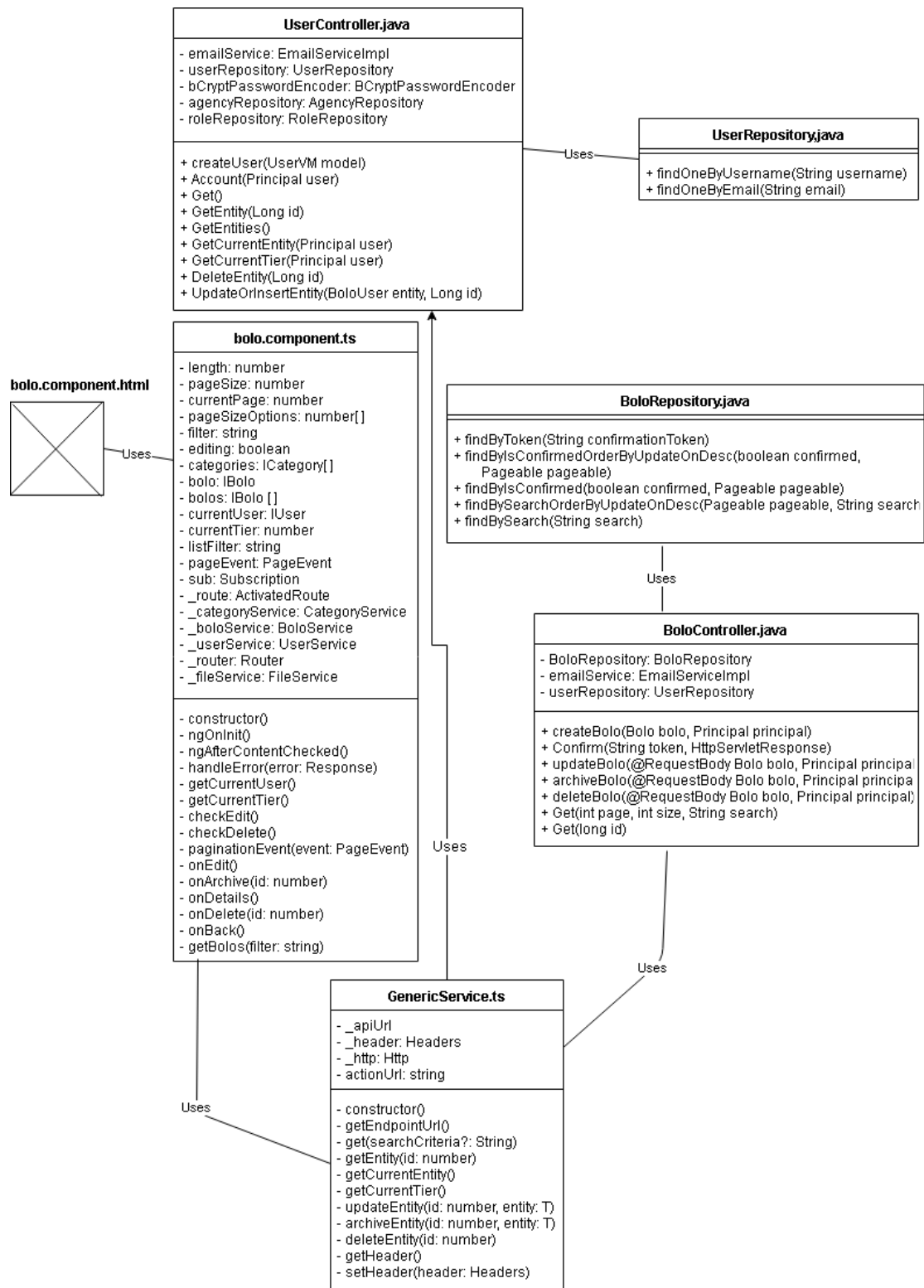
Use Case Diagram



Sequence Diagram



Class Diagram



Visual User Guide

https://youtu.be/gzR_3mQvUrU

BOLO-57: Root (Tier 4) Permissions

Name: [Jacqueline Castro](#)

Team Member(s): [Jacqueline Castro](#) [Yevanis Garcia](#)

Project: BOLO Spring 2019

Product Owner(s): Jason Cohen, Frank Alvarado

Mentor(s): [Masoud Sadjadi](#)

Instructor: [Masoud Sadjadi](#)

Description

As a root admin (Tier 4), I can perform the same functions as a Tier 1, Tier 2, or Tier 3 user, in addition to being able to add/remove/edit/deactivate agency accounts, add/remove/edit/deactivate users, and add/remove/edit/deactivate BOLO categories.

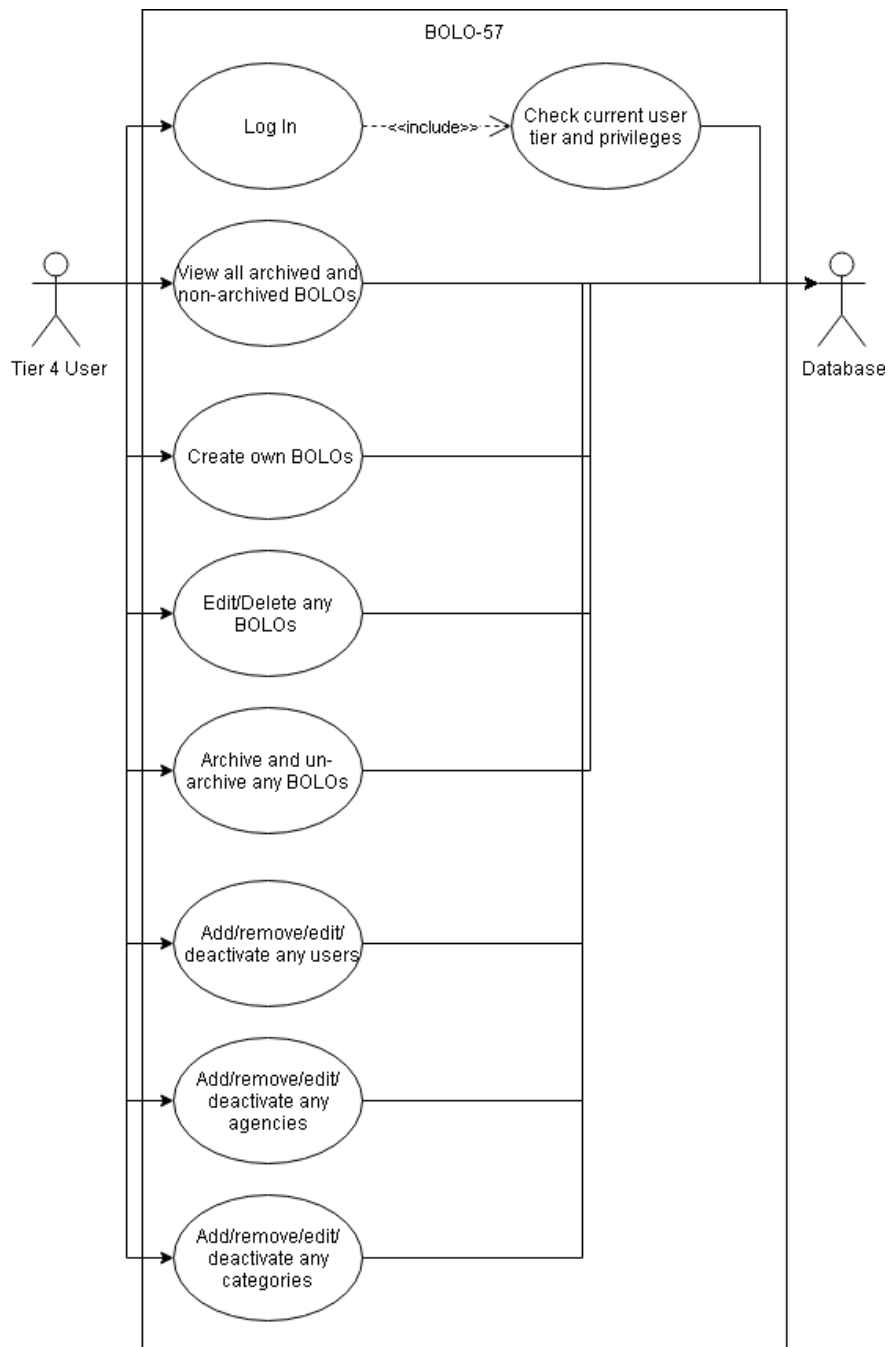
Acceptance criteria:

- A Tier 4 user can view all BOLOs that have been created and archived.
- A Tier 4 user can create their own BOLOs.
- A Tier 4 user can edit their all BOLOs.
- A Tier 4 user can archive and un-archive their all BOLOs.
- A Tier 4 user can delete their all BOLOs.
- A Tier 4 user has access to all functionalities of the admin dashboard.
- A Tier 4 user can add/remove/edit/deactivate all users.
- A Tier 4 user can add/remove/edit/deactivate all agencies.
- A Tier 4 user can add/remove/edit/deactivate all categories

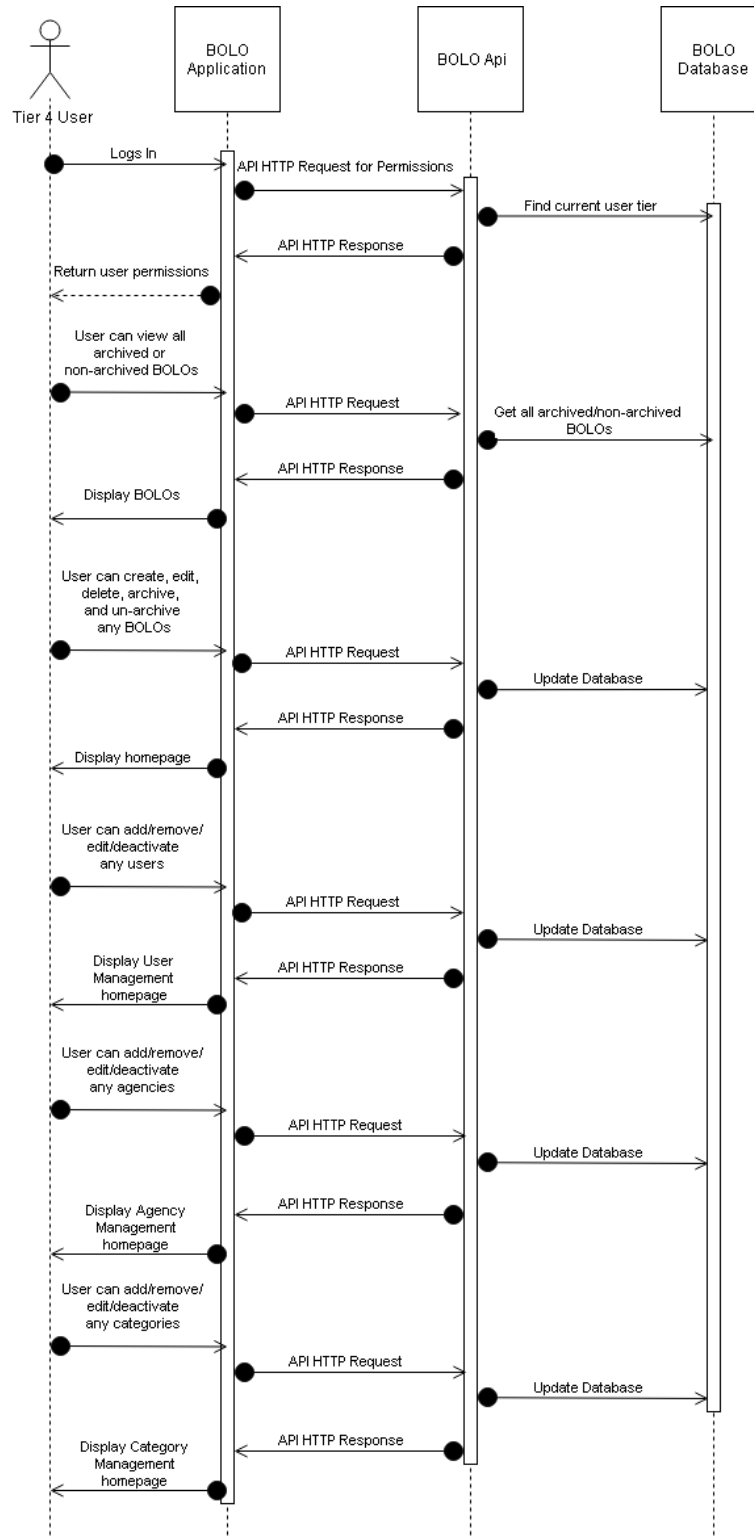
Use Case

- **Name:** BOLO-57
- **Actor:** Root (Tier 4)
- **Preconditions:**
 - The user should have a valid account and be a Tier 4 user.
- **Description <Flow of events>:**
 - When a Tier 4 user is created, or logs in, they will have access to the admin dashboard and they will be able to add/remove/edit/deactivate any users, categories, or agencies. They will also be able to view all archived and non-archived BOLOs, create their own BOLOs, and edit/archive/un-archive/delete any BOLOs.

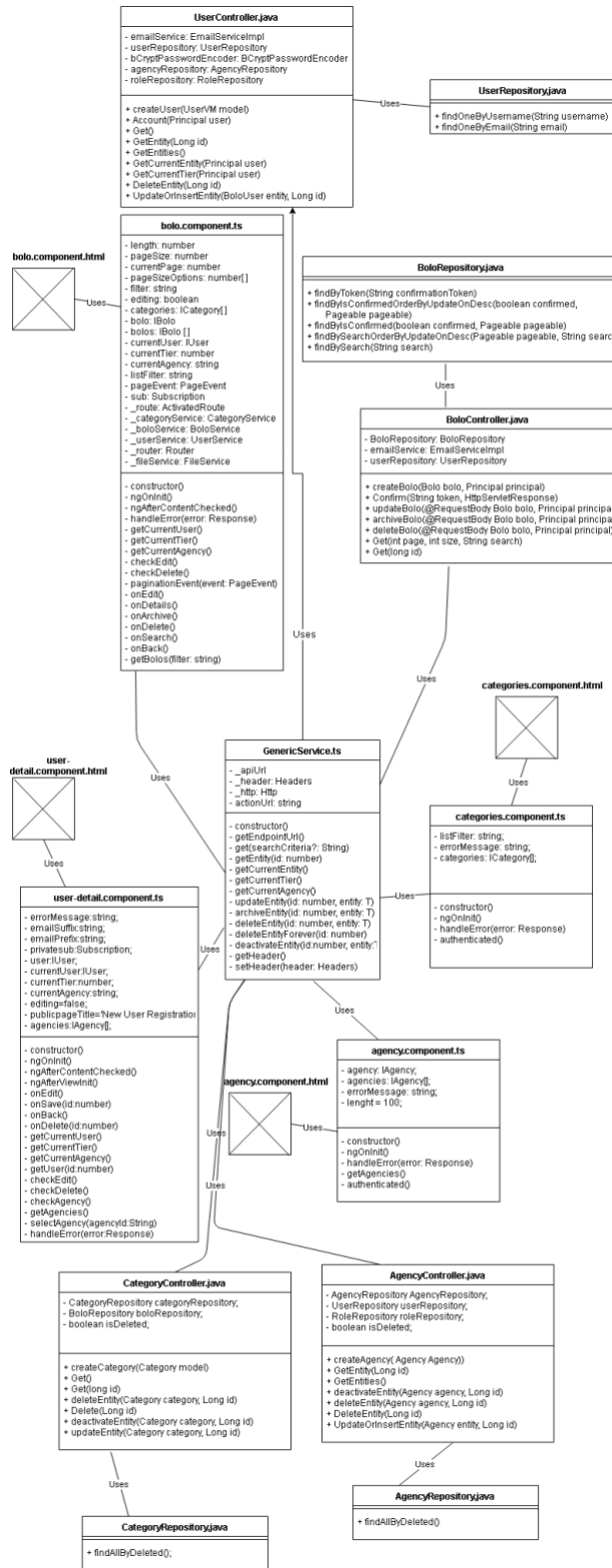
Use Case Diagram



Sequence Diagram



Class Diagram



Visual User Guide

<https://youtu.be/wqfL7WP1Rhw>

BOLO-61: Full Text BOLO Search

Name: [Jacqueline Castro](#)

Team Member(s): [Jacqueline Castro](#) [Yevanis Garcia](#)

Project: BOLO Spring 2019

Product Owner(s): Jason Cohen, Frank Alvarado

Mentor(s): [Masoud Sadjadi](#)

Instructor: [Masoud Sadjadi](#)

Description

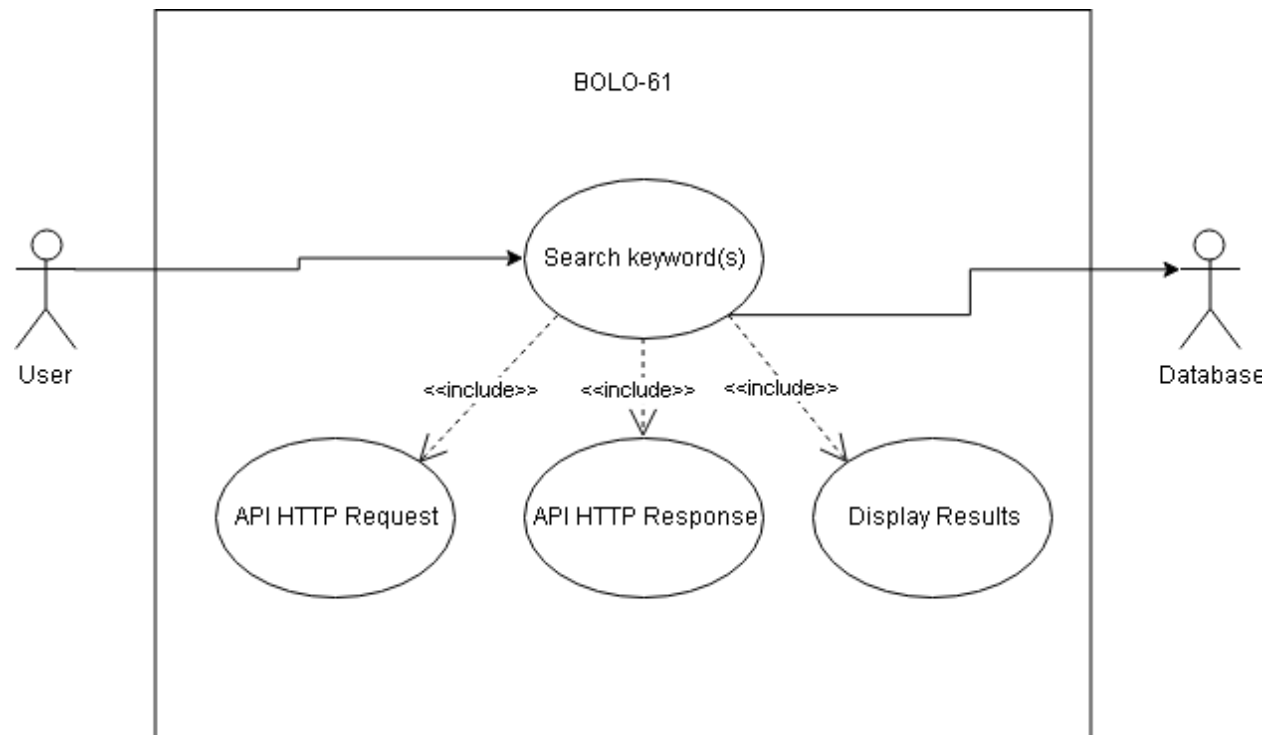
As a user, I can perform a free search to find BOLOs that contain a certain sequence of keyword or characters.

Acceptance criteria: Searching any sequence of words or characters must display any BOLOs that contain those words or characters in its agency, user, summary, category, or info fields.

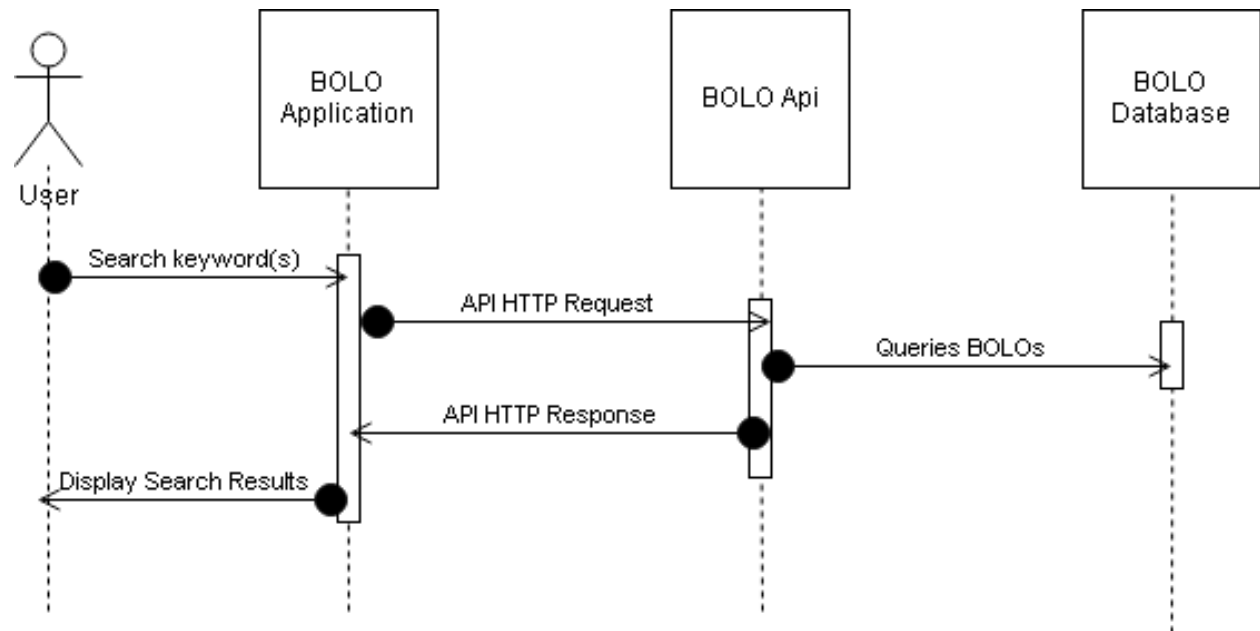
Use Case

- **Name:** BOLO-61
- **Actor:** User
- **Preconditions:**
 - The user should have a valid account and access to the BOLOs.
 - There should be existing BOLOs in the database.
- **Description <Flow of events>:**
 - When a user types in a word or phrase, any BOLO that contains that sequence of keywords will be displayed.

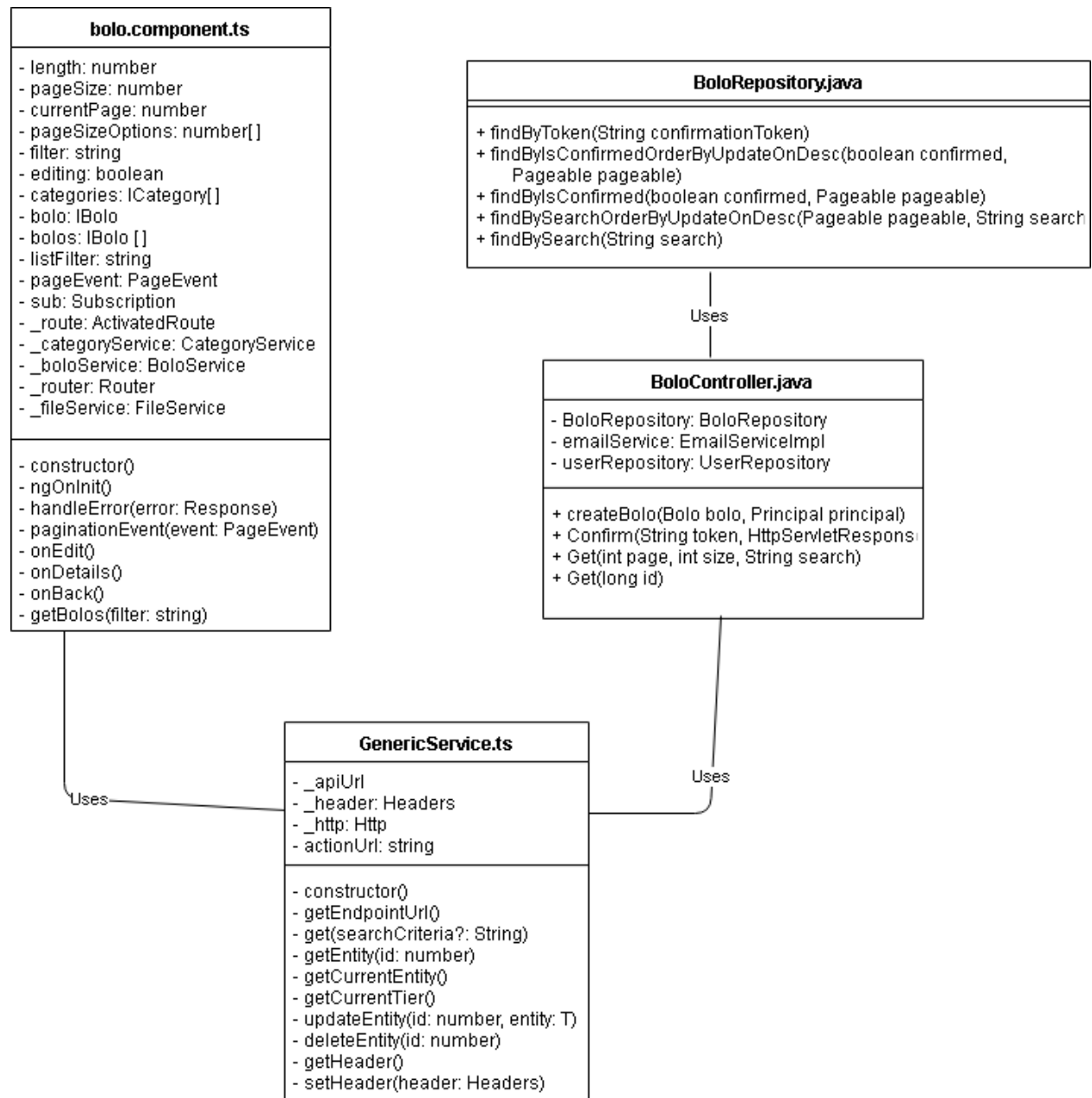
Use Case Diagram



Sequence Diagram



Class Diagram



Visual User Guide

https://youtu.be/GMaQnLD_Rkc

BOLO-74: Delete/Deactivate/Edit Category

Name: [Jacqueline Castro](#)

Team Member(s): [Jacqueline Castro](#) [Yevanis Garcia](#)

Project: BOLO Spring 2019

Product Owner(s): Jason Cohen, Frank Alvarado

Mentor(s): [Masoud Sadjadi](#)

Instructor: [Masoud Sadjadi](#)

Description

As a root, I should be able to delete, deactivate/reactivate, and/or edit categories.

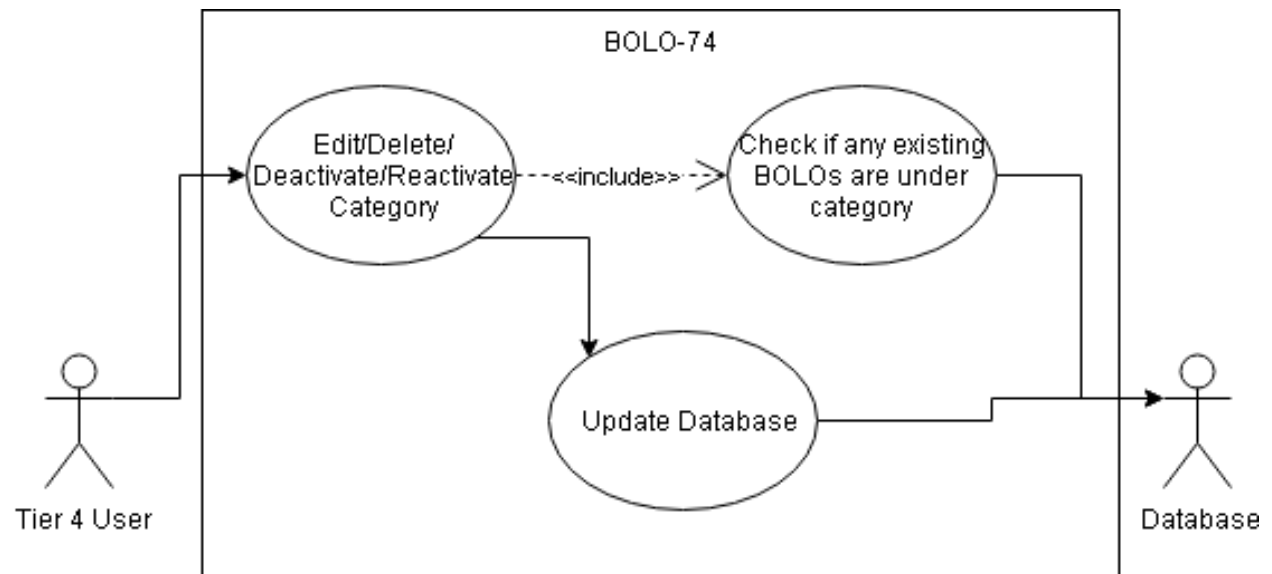
Acceptance criteria:

- A Tier 4 user can delete a category.
- A Tier 4 user can deactivate and reactivate a category.
- A Tier 4 user can edit a category.

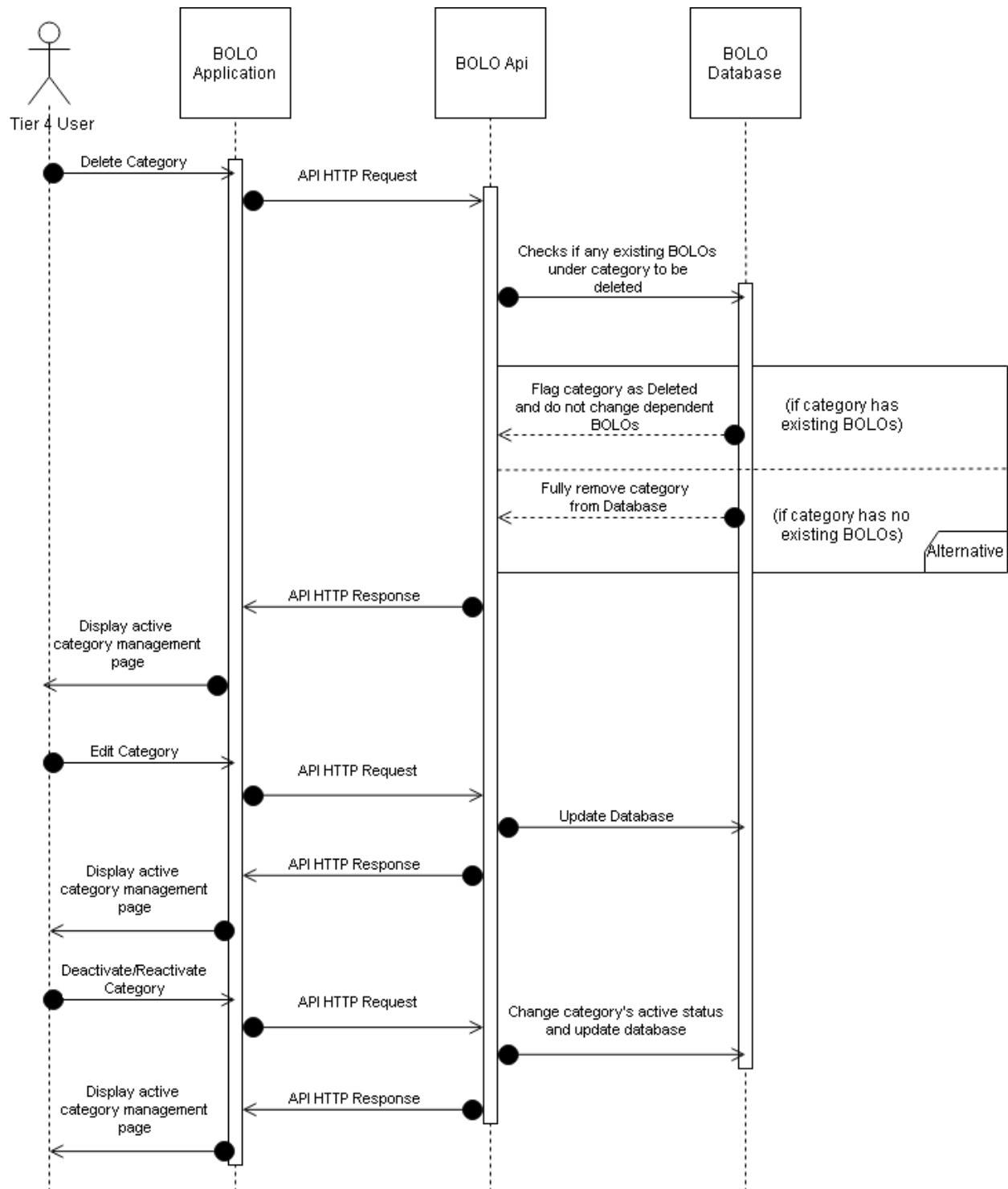
Use Case

- **Name:** BOLO-74
- **Actor:** Root (Tier 4)
- **Preconditions:**
 - The user should have a valid account and be a Tier 4 user.
- **Description <Flow of events>:**
 - When a Tier 4 user deletes a category, if there are any existing BOLOs under that category, then the category will be flagged as deleted but not removed from the database. If there are no existing BOLOs under that category, the category will be removed from the database.
 - When a Tier 4 user deactivates/reactivates a category, the active status of the category is changed and updated and will not show up as one of the categories for BOLOs when creating/editing a BOLO.
 - When a Tier 4 user edits a category, the category is updated in the database.

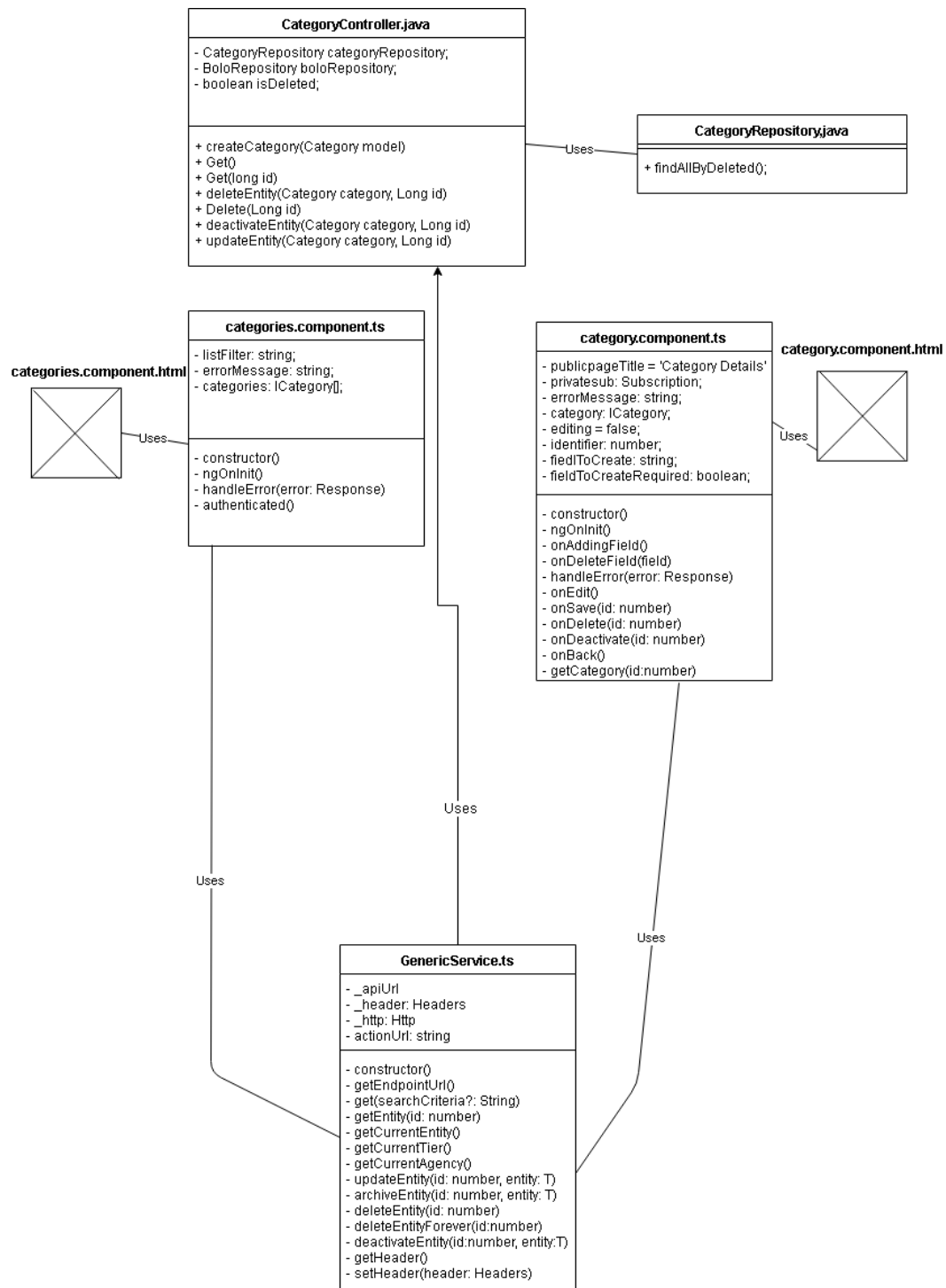
Use Case Diagram



Sequence Diagram



Class Diagram



Visual User Guide

<https://youtu.be/gMFB3mWhIL8>

BOLO-75: Delete/Deactivate Agency

Name: [Jacqueline Castro](#)

Team Member(s): [Jacqueline Castro](#) [Yevanis Garcia](#)

Project: BOLO Spring 2019

Product Owner(s): Jason Cohen, Frank Alvarado

Mentor(s): [Masoud Sadjadi](#)

Instructor: [Masoud Sadjadi](#)

Description

As a root, I should be able to delete, and/or deactivate/reactivate agencies.

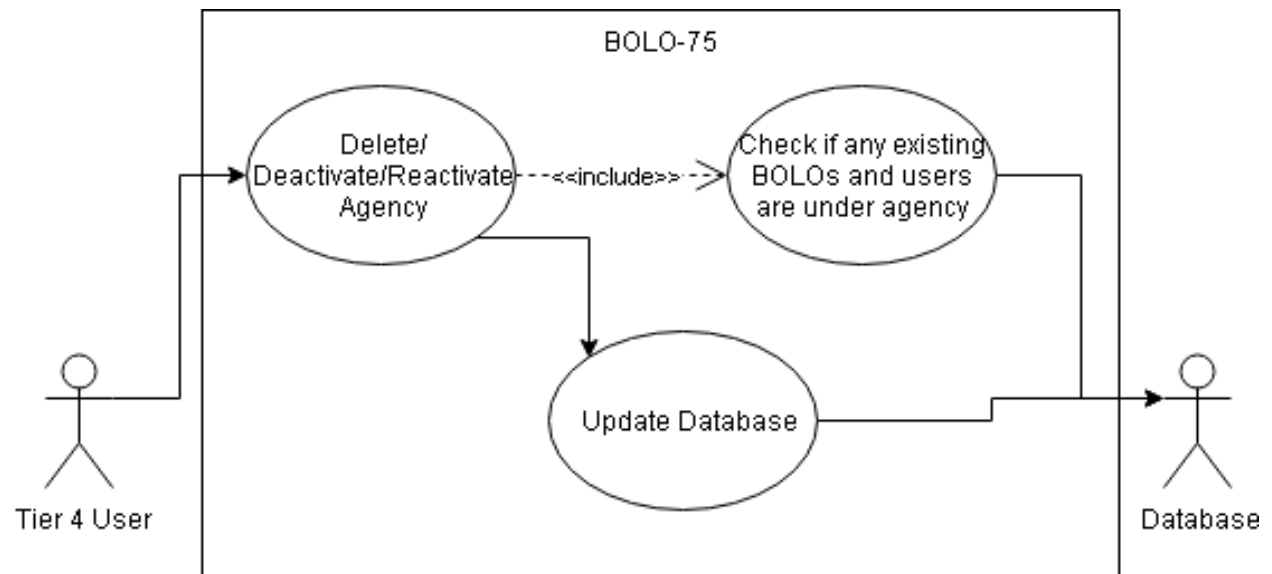
Acceptance criteria:

- A Tier 4 user can delete an agency.
- A Tier 4 user can deactivate and reactivate an agency.

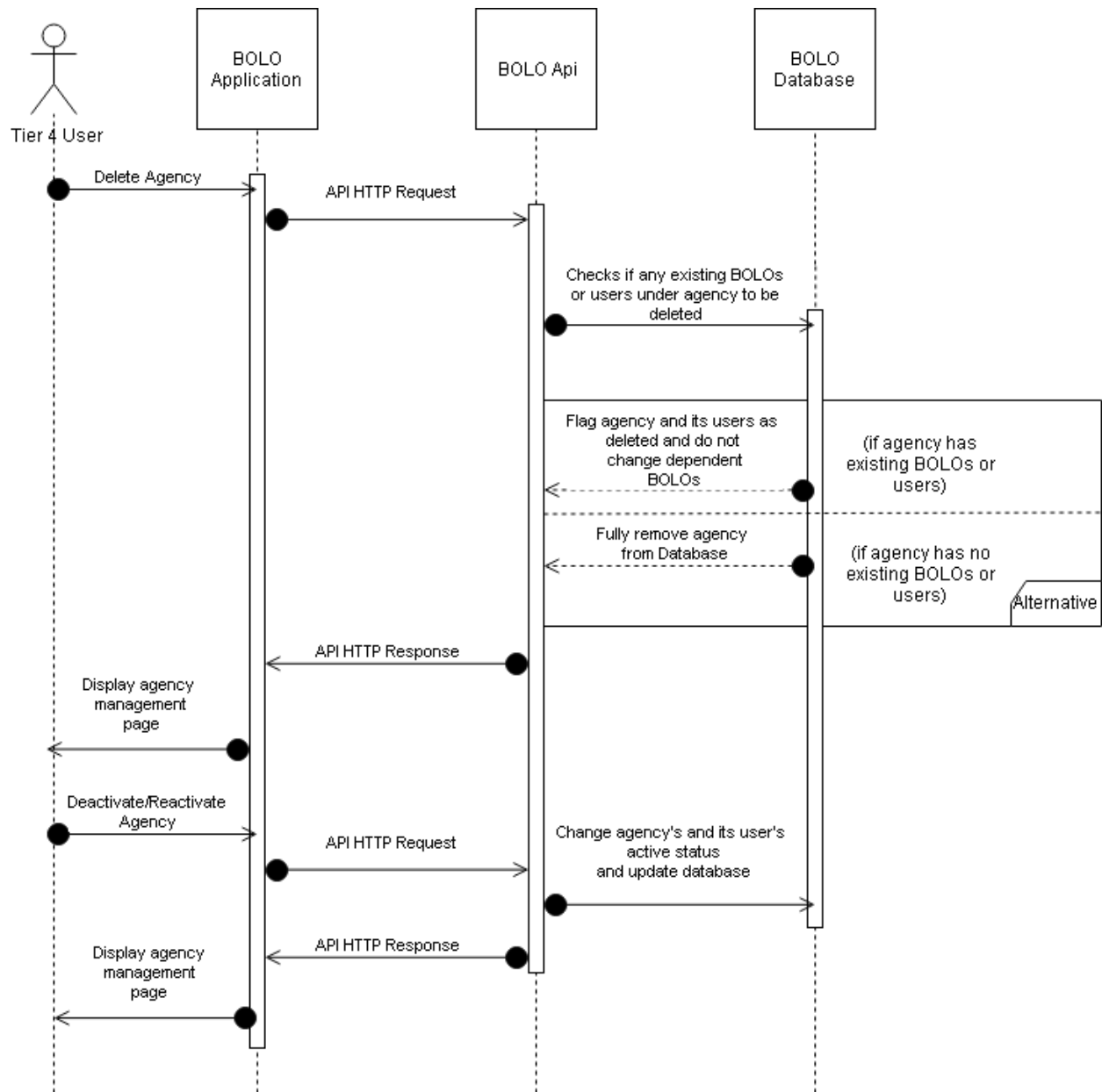
Use Case

- **Name:** BOLO-75
- **Actor:** Root (Tier 4)
- **Preconditions:**
 - The user should have a valid account and be a Tier 4 user.
- **Description <Flow of events>:**
 - When a Tier 4 user deletes an agency, if there are any existing BOLOs under that agency, then the agency and its users will be flagged as deleted but not removed from the database. If there are no existing BOLOs under that agency, then the agency and its users will be removed from the database.
 - When a Tier 4 user deactivates/reactivates an agency, the active status of the agency and its users is changed and updated. If the agency was deactivated, its users will be deactivated and will not be able to log in. Also, when creating a new user, that agency will not show up as one of the agencies to be picked from.

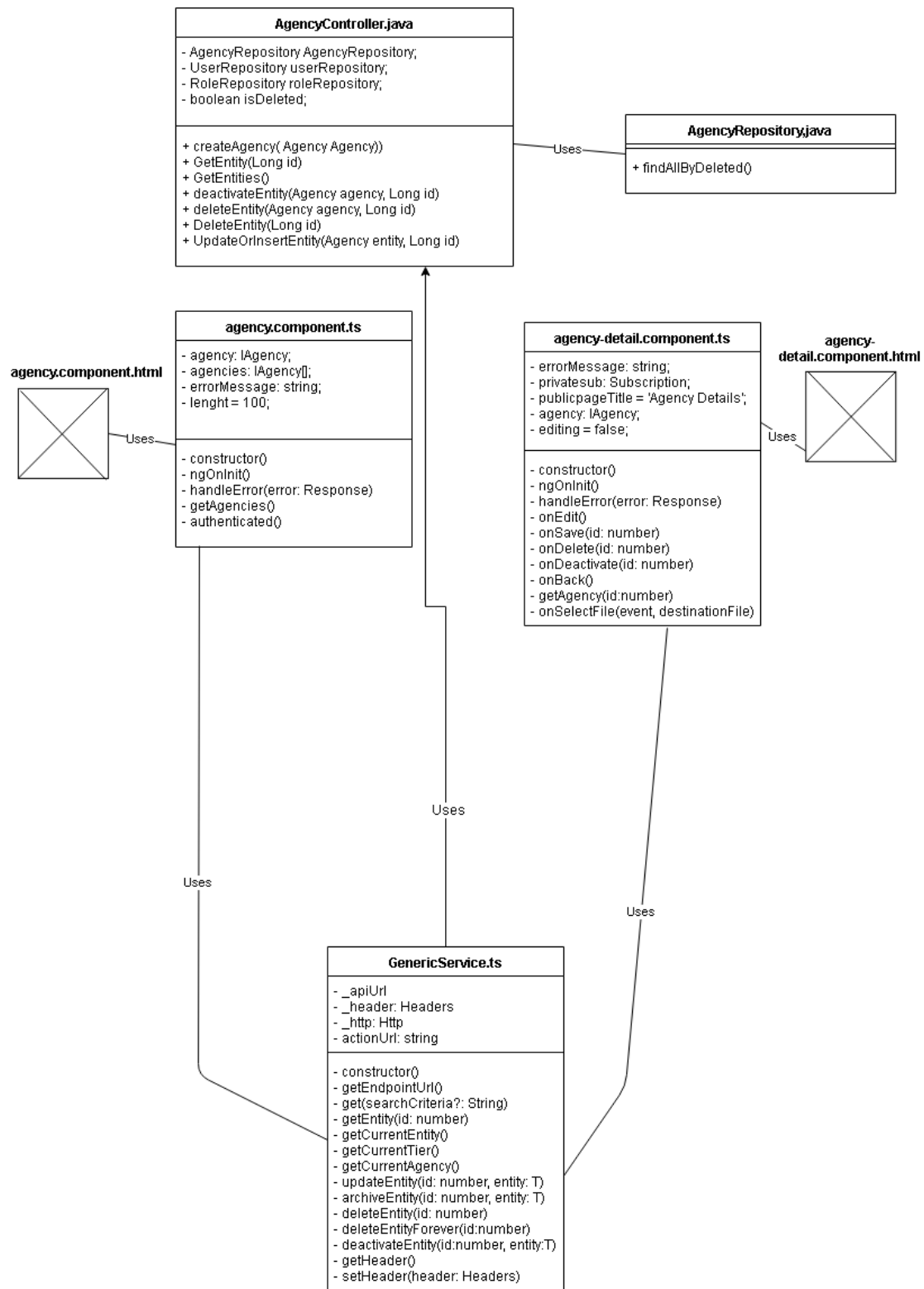
Use Case Diagram



Sequence Diagram



Class Diagram



Visual User Guide

<https://youtu.be/U2gqxvQiL5c>

BOLO-77 : BOLO Creation Form Validation

Name: [Jacqueline Castro](#)

Team Member(s): [Jacqueline Castro](#) [Yevanis Garcia](#)

Project: BOLO Spring 2019

Product Owner(s): Jason Cohen, Frank Alvarado

Mentor(s): [Masoud Sadjadi](#)

Instructor: [Masoud Sadjadi](#)

Description

As a developer, I will add form validation to the BOLO creation form, so that a BOLO cannot be create without required information filled out.

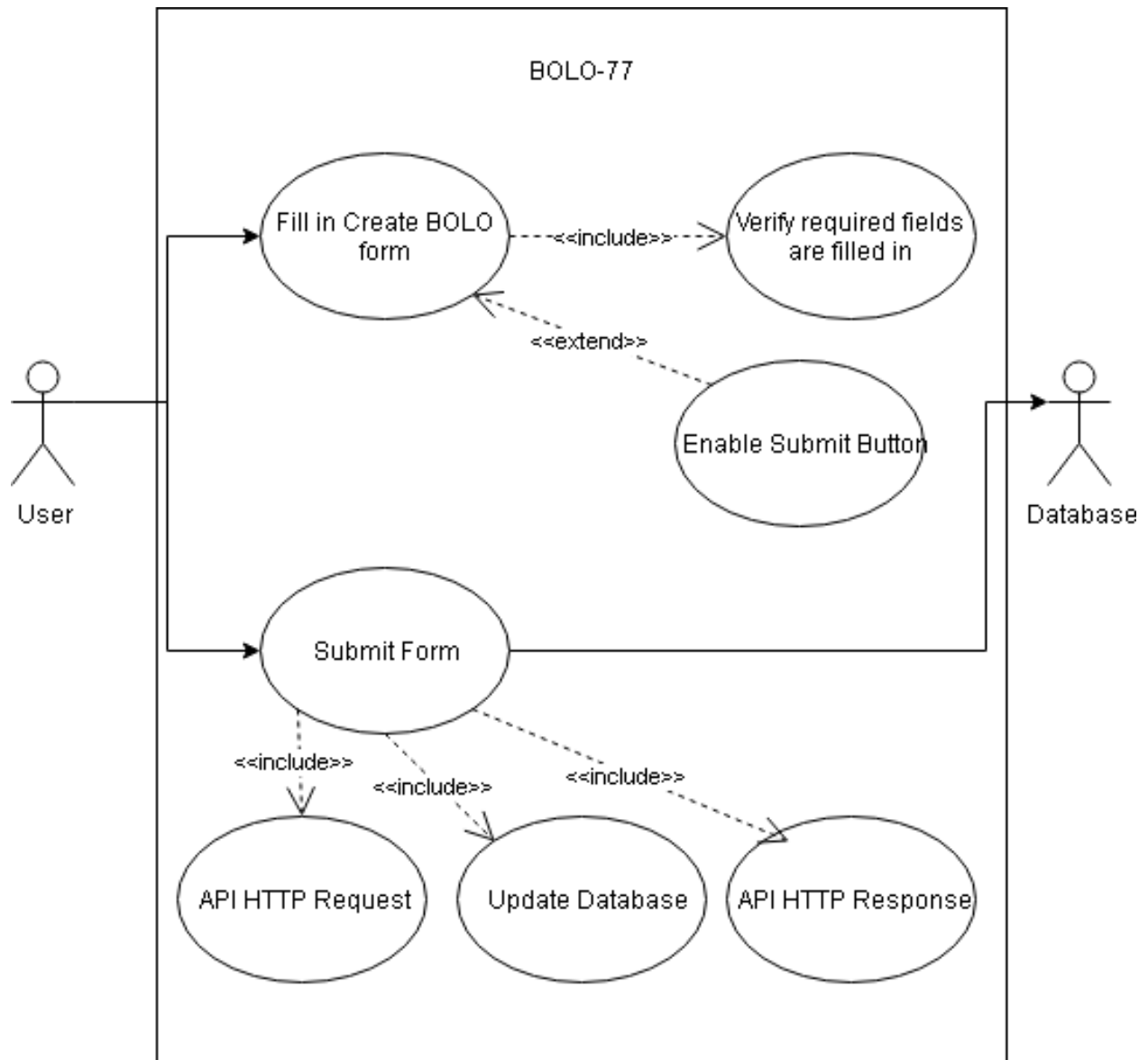
Acceptance criteria:

- The form will have the following mandatory/required fields: Reported On Date, Reported On Time, BOLO Category, BOLO Summary.
- The submission of the form will be disabled until these required fields are filled out.

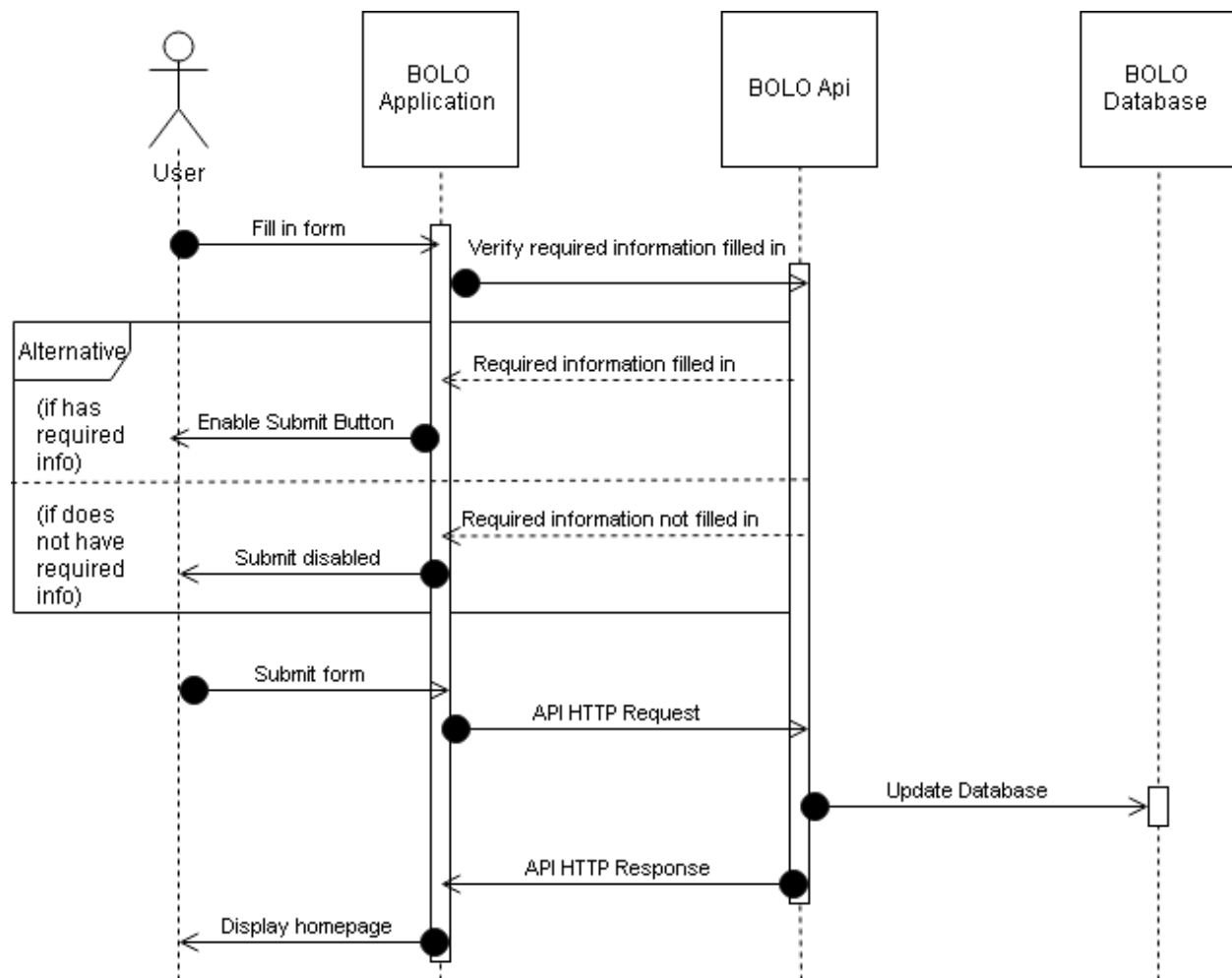
Use Case

- **Name:** BOLO-77
- **Actor:** Developer
- **Preconditions:**
 - The user should have a valid account and access to the application.
 - The user has the ability to create BOLOs.
- **Description <Flow of events>:**
 - When a user is creating and uploading a BOLO into the application, the user must input a reported on date and time, BOLO category, and a summary of the BOLO before the save button becomes active and they can create the BOLO.

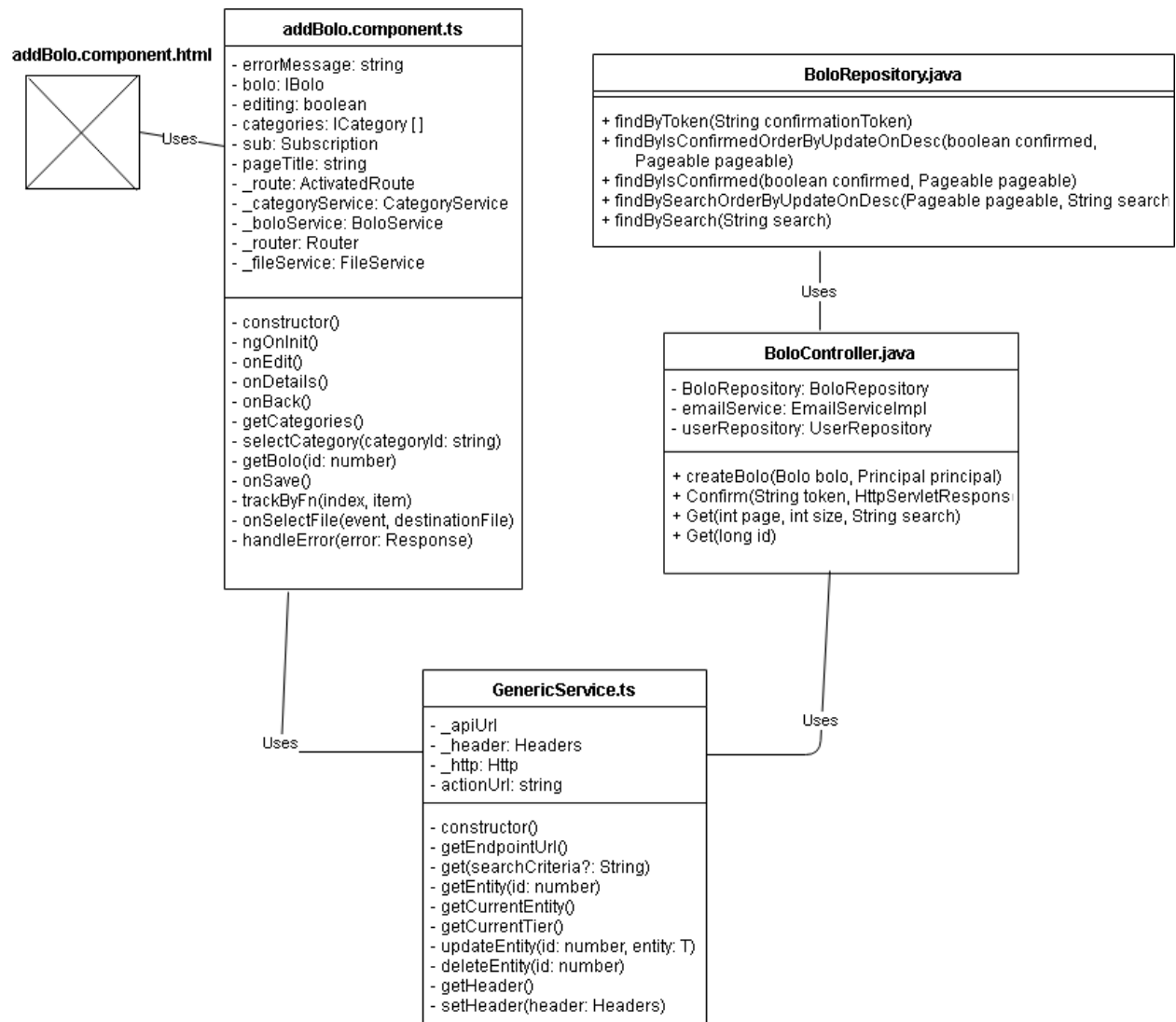
Use Case Diagram



Sequence Diagram



Class Diagram



Visual User Guide

<https://youtu.be/wSqlD7hiEgq>

BOLO-83 : Fix Archive functionality.

Subtask of BOLO-69.

Name: [Yevanis Garcia](#)

Team Member(s): [Jacqueline Castro](#) [Yevanis Garcia](#)

Project: BOLO Spring 2019

Product Owner(s): Jason Cohen, Frank Alvarado

Mentor(s): [Masoud Sadjadi](#)

Instructor: [Masoud Sadjadi](#)

Description

As a developer I want to be to fix the Edit, Details and Archive functionalities in the BOLOs on Home screen, so the users can use these functionalities.

- Subtask: BOLO-83: Fix Archive functionality

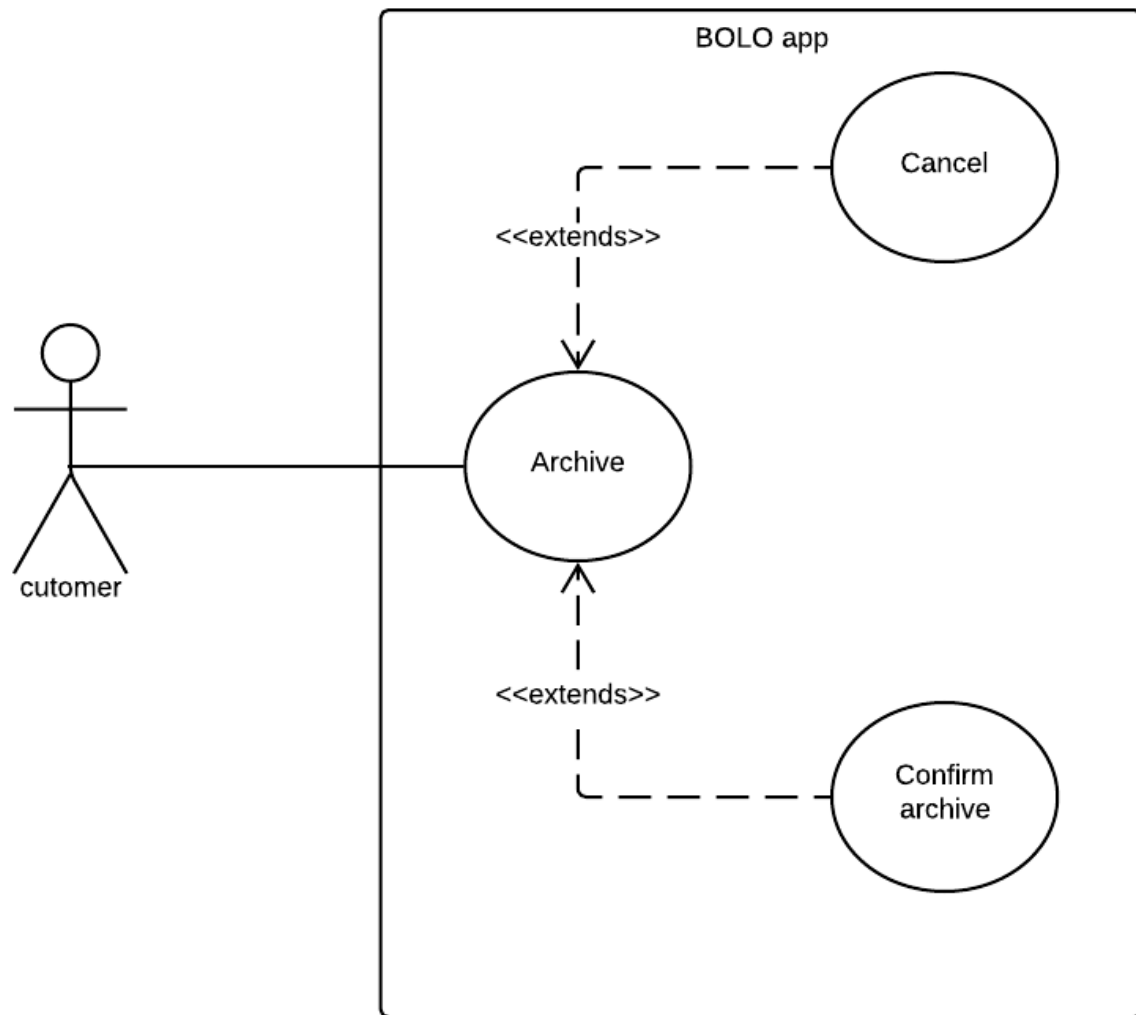
Acceptance criteria:

- The BOLO card will have 4 buttons: Edit, Details, Archive, and Delete.
- User can click on Archive button, if the user has authorization to archive.
- BOLO archive confirmation screen is shown, based on user authorization.
- User can Cancel or Confirm archive. If confirmed, then BOLO is archived.
- BOLO will be displayed on Archived screen if archived successfully.

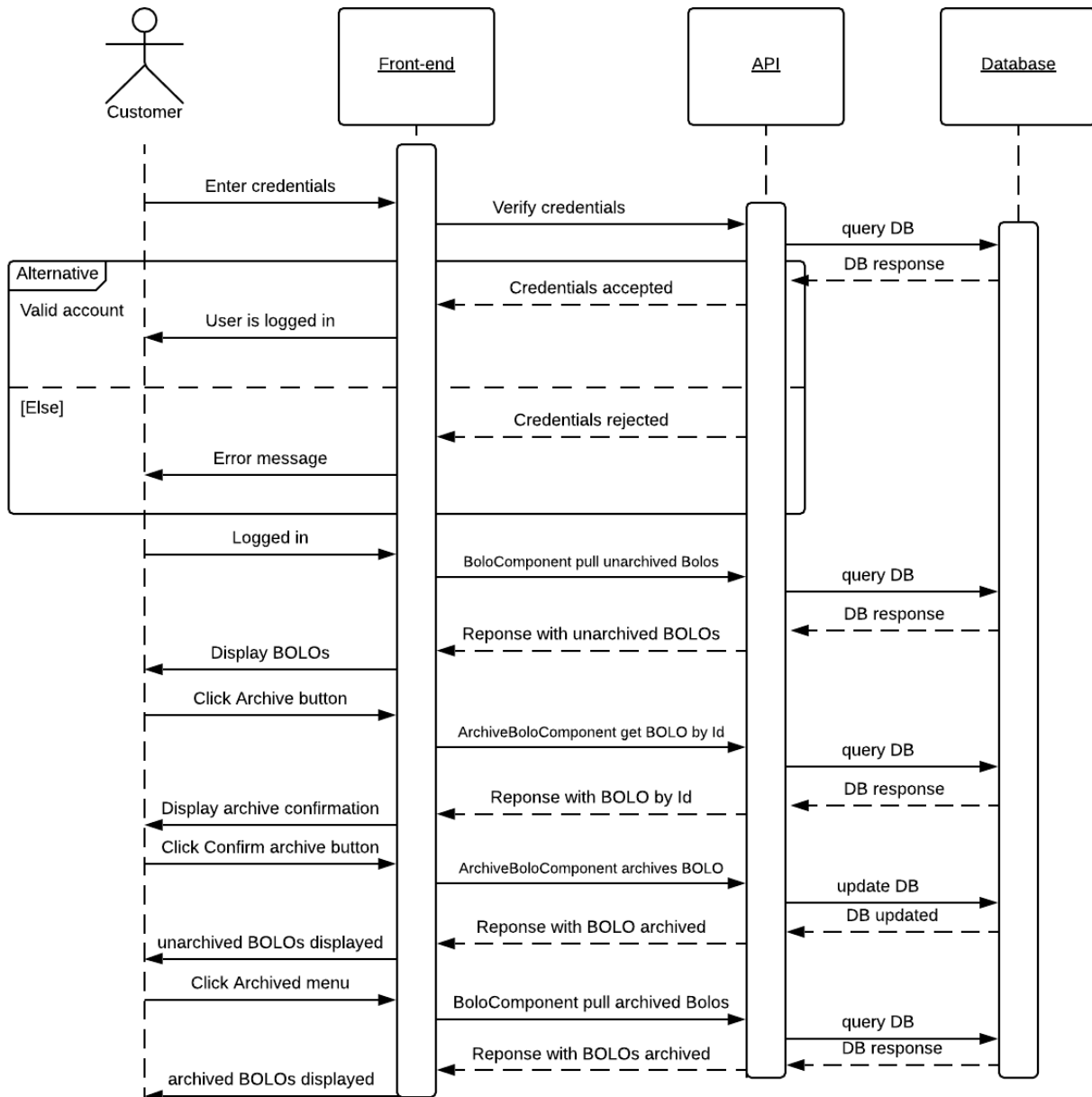
Use Case

- **Name:** BOLO-83. Subtask BOLO-69
- **Actor:** Developer
- **Preconditions:**
 - The user should have a valid account and access to the application.
 - The user has the permissions to archive BOLOs.
- **Description <Flow of events>:**
 - - The BOLO card have 4 buttons: Edit, Details, Archive, and Delete; that will be shown based on user authorization.
 - When Archive is clicked, the app flow will navigate to a BOLO archive confirmation screen with BOLO's details.
 - User will have two options on BOLO archive confirmation screen: Cancel or Archive.
 - When Archive is selected, the BOLO will be archived on database, and will be only displayed in the Archived screen.

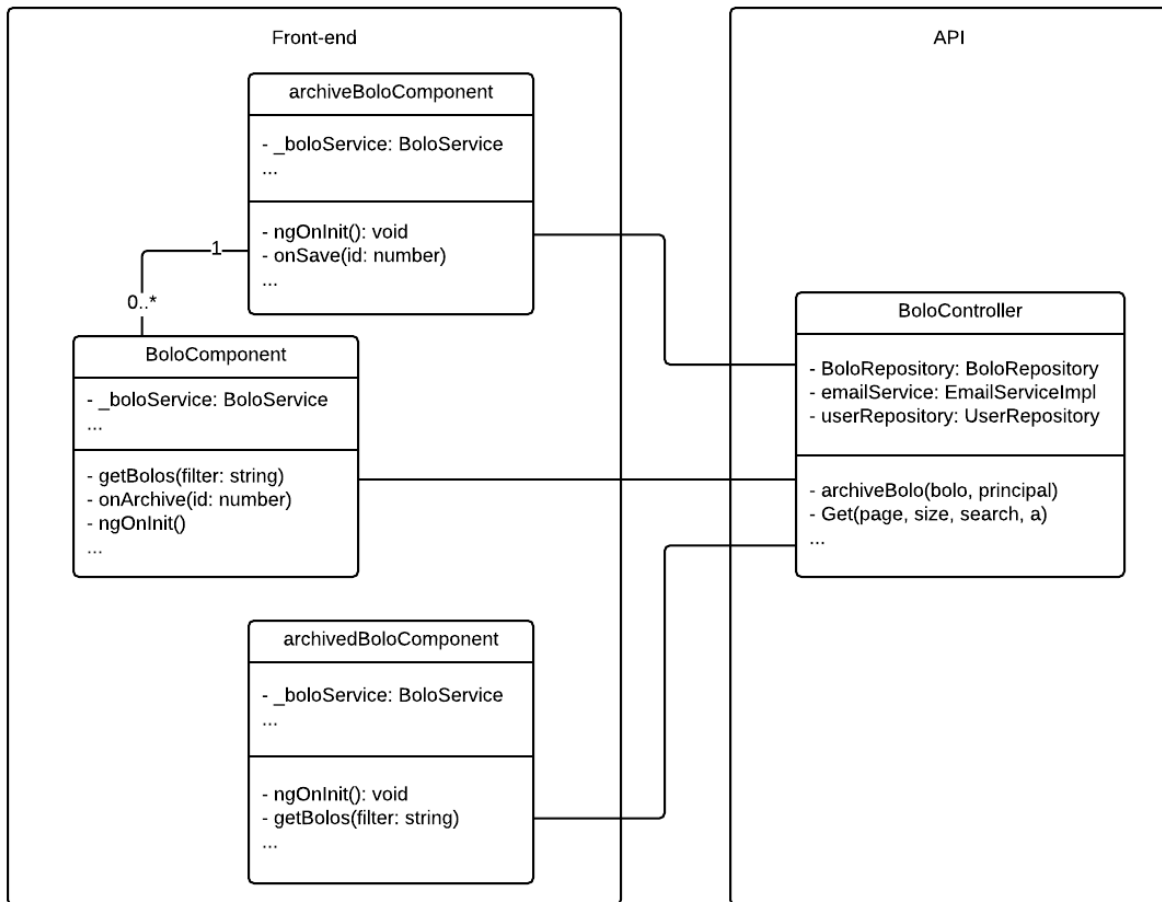
Use Case Diagram



Sequence Diagram



Class Diagram



Visual User Guide

<https://youtu.be/C-Hj-faY0wo>

BOLO-88 : BOLO "soft"/"hard" DELETE and RECOVER

Name: [Yevanis Garcia](#)

Team Member(s): [Jacqueline Castro](#) [Yevanis Garcia](#)

Project: BOLO Spring 2019

Product Owner(s): Jason Cohen, Frank Alvarado

Mentor(s): [Masoud Sadjadi](#)

Instructor: [Masoud Sadjadi](#)

Description

As an admin, I want to be able to RECOVER the "soft" deleted BOLOs or DELETE them completely, so the BOLOs can be back in BOLOs screen or deleted forever.

Acceptance criteria:

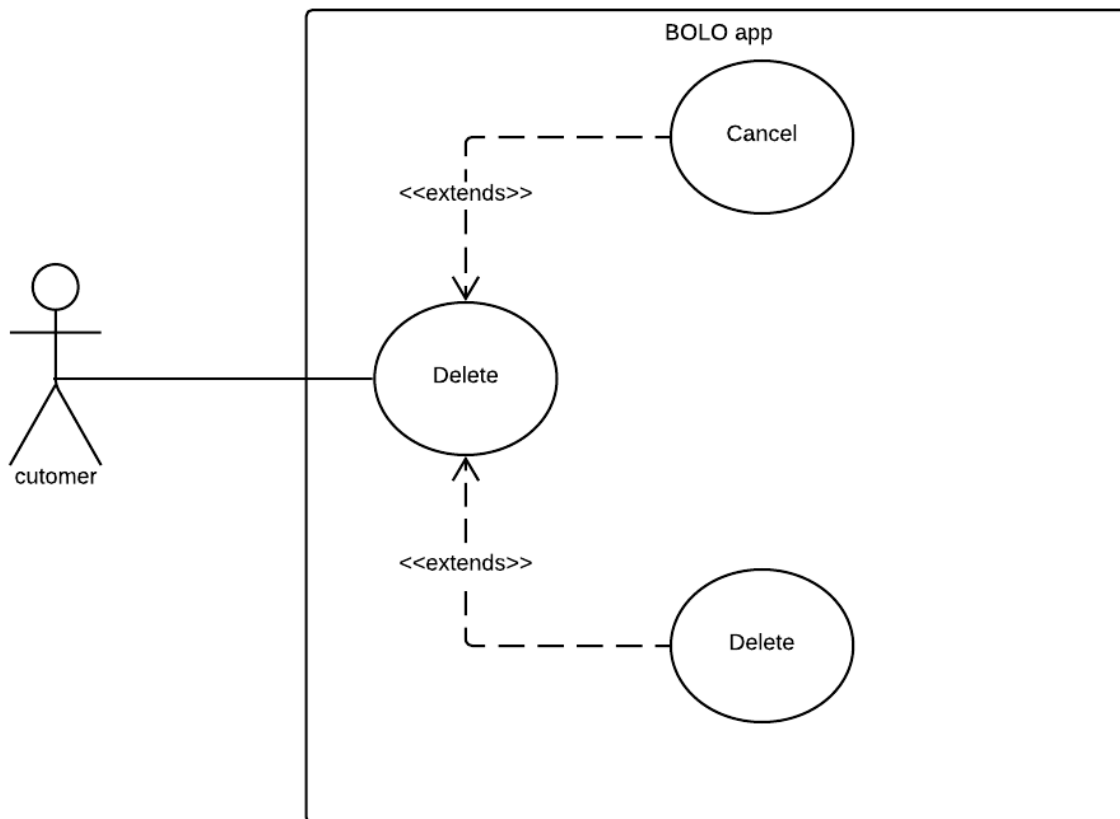
- The BOLO card will have the DELETE button, that will be visible depending user role.
- User can click on DELETE button on BOLO card.
- BOLO delete confirmation screen is displayed.
- User can Cancel or Delete. If Delete is clicked, then BOLO is "soft" DELETED and it won't be visible on BOLO Directory/Archived screen.
- Admin will be able to go to Admin→BOLO Deleted Management.
- BOLO Deleted will be displayed, and when Edit icon is clicked, the admin can go back or cancel, "hard" DELETE (delete forever) or RECOVER the BOLO.
- If BOLO is "hard" DELETED, it will be removed from database
- If BOLO is RECOVERED, then it will be visible again on BOLO Directory

Use Case

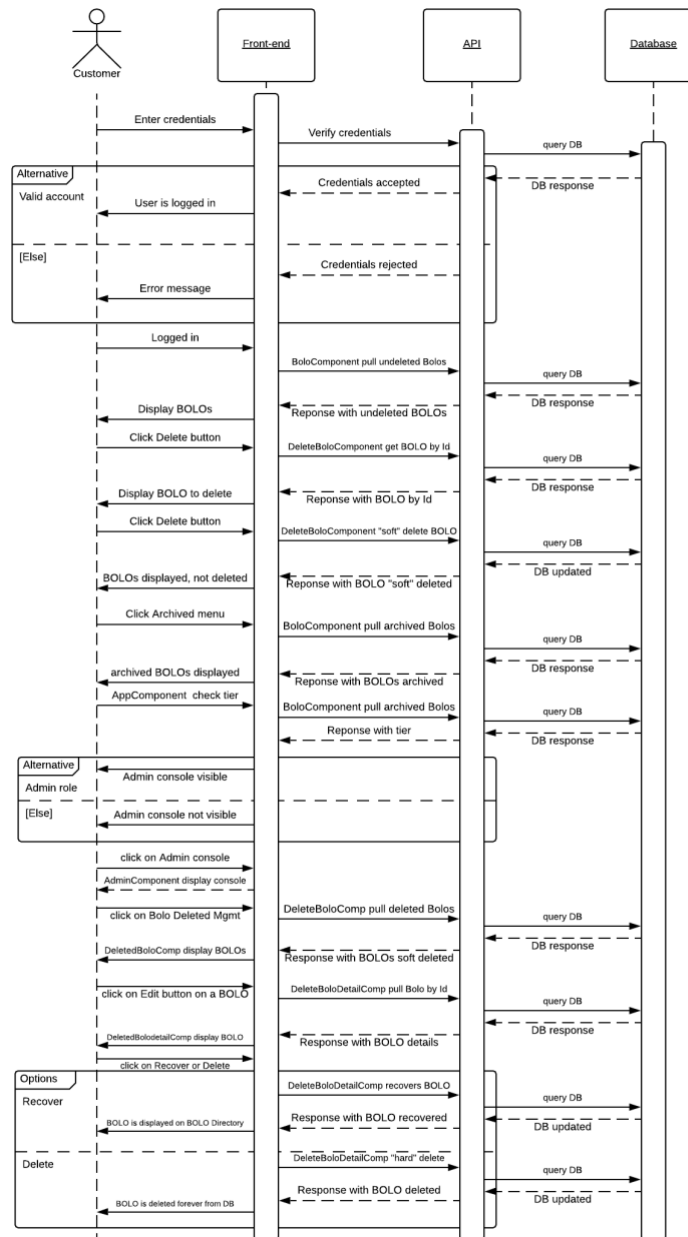
- **Name:** BOLO-88.
- **Actor:** Developer
- **Preconditions:**
 - The user should have a valid account to access to the application.
 - The user role has the authorization to delete BOLOs.
 - For "hard" DELETE/RECOVER, the user role needs to have authorization to access Admin dashboard.
- **Description <Flow of events>:**

-
- The BOLO card have 4 buttons: Edit, Details, Archive, and Delete; that will be shown based on user authorization.
- When Delete is clicked, the app will navigate to a BOLO delete confirmation screen with BOLO's details.
- User will have two options on BOLO delete confirmation screen: Cancel or Delete.
- When Delete button is selected, the BOLO will be soft DELETED and will be only shown in the Admin→BOLO Deleted Management console.
- In Admin→BOLO Deleted Management console, and admin can "hard" DELETE or RECOVER the BOLO.
- If Delete is clicked, the BOLO will be DELETED forever from database
- If Recover is clicked, the BOLO will be visible again on Bolo Directory.

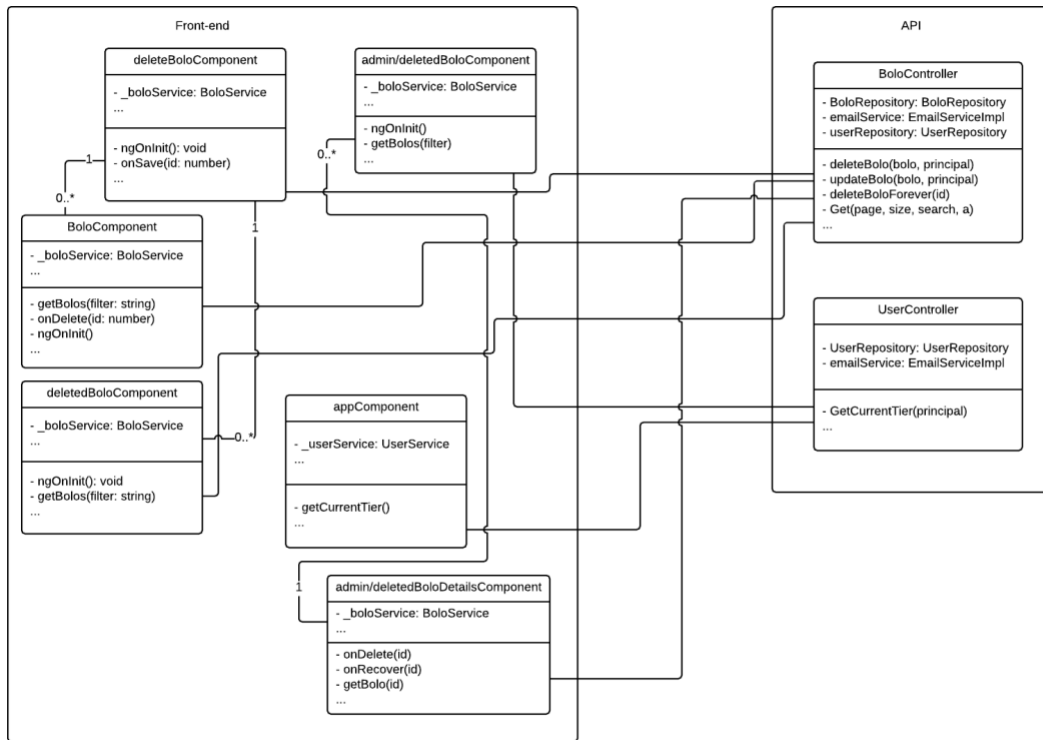
Use Case Diagram



Sequence Diagram



Class Diagram



Visual User Guide

<https://youtu.be/s6dqQK-ujGk>

BOLO-89: User Deletion

Name: [Jacqueline Castro](#)

Team Member(s): [Jacqueline Castro](#) [Yevanis Garcia](#)

Project: BOLO Spring 2019

Product Owner(s): Jason Cohen, Frank Alvarado

Mentor(s): [Masoud Sadjadi](#)

Instructor: [Masoud Sadjadi](#)

Description

As an admin, I should be able to permanently delete users from the system.

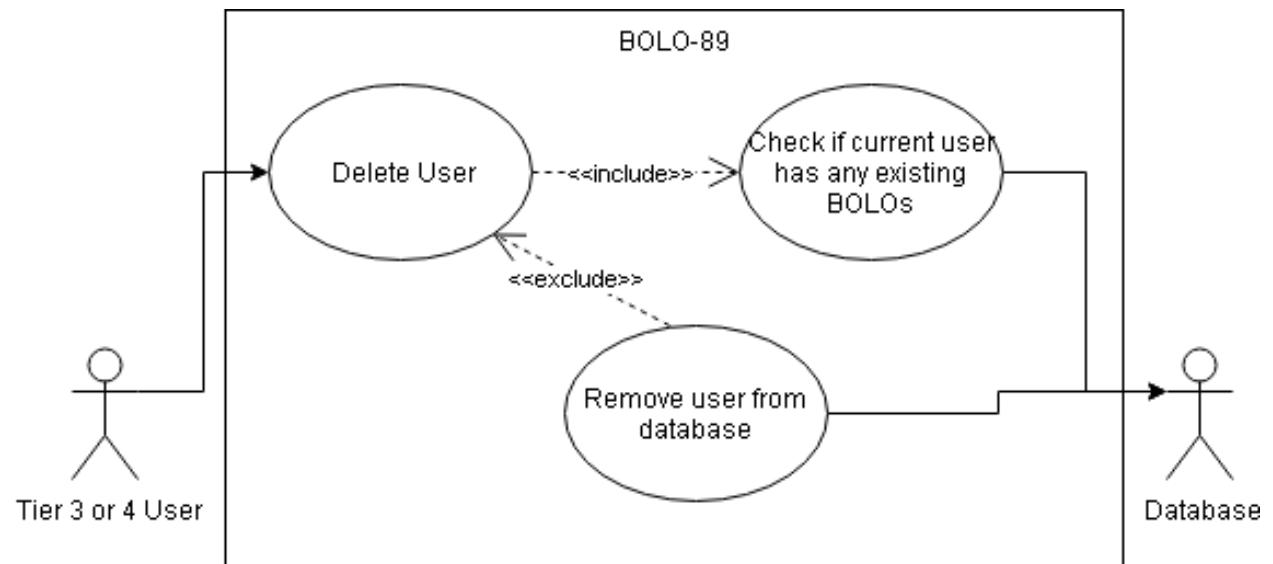
Acceptance criteria:

- When an admin deletes a user, the user should be flagged for deletion or fully removed from the database, depending on whether they have BOLOs dependent on them.
- If the user to be deleted has BOLOs tied to them, the BOLOs should stay in the system with the proper information unchanged.
- Only once there are no BOLOs tied to the user can the user be fully removed from the database.

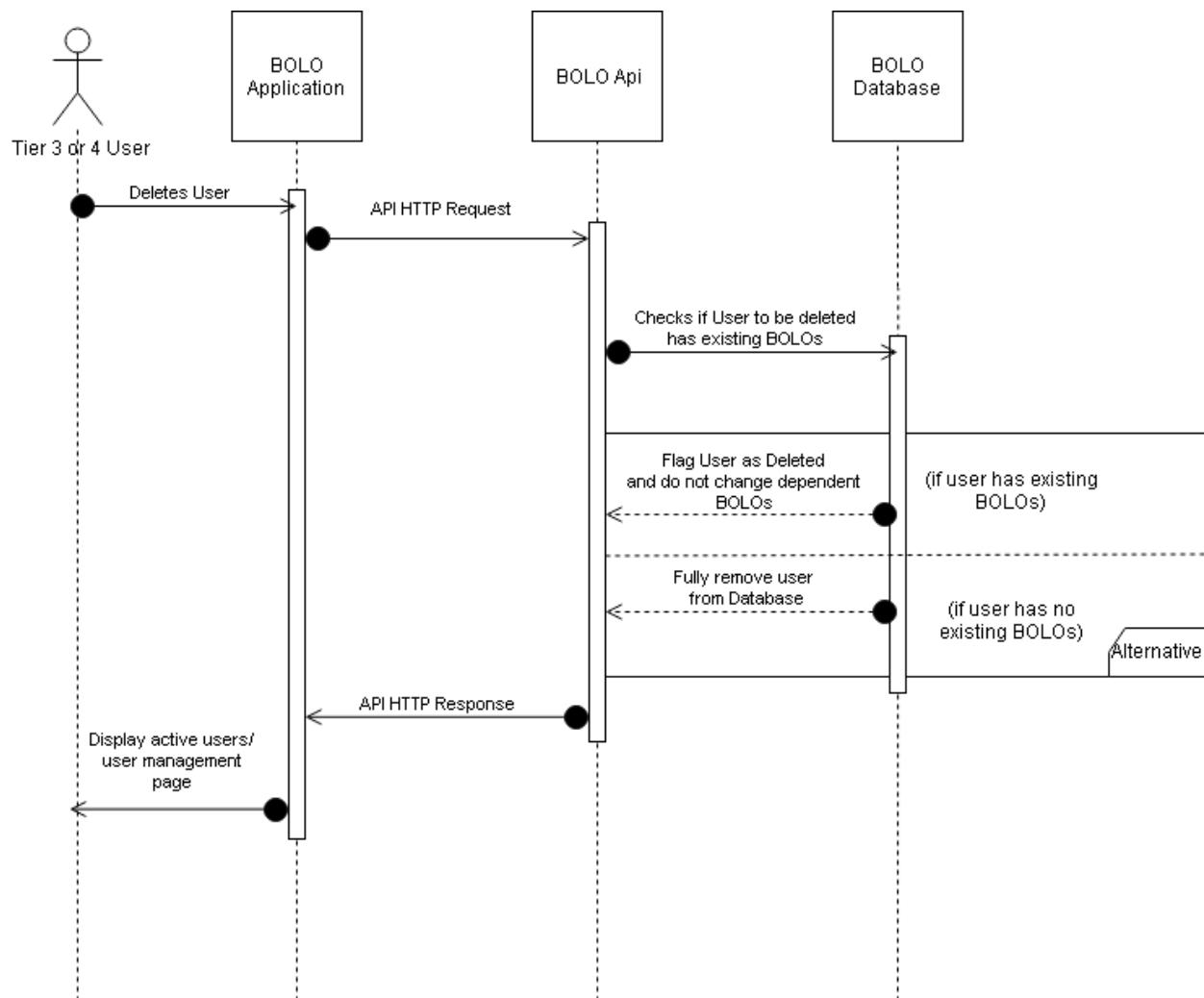
Use Case

- **Name:** BOLO-89
- **Actor:** Admin (Tier 3 or Tier 4)
- **Preconditions:**
 - The user should have a valid account and be a Tier 3 or Tier 4 user.
- **Description <Flow of events>:**
 - When an admin deletes a user, if the user has BOLOs dependent on them, the user will be flagged as deleted, but not fully removed from the database. Once there are no longer any BOLOs dependent on the user and that user has been flagged for deletion, the user will be fully removed from the database.

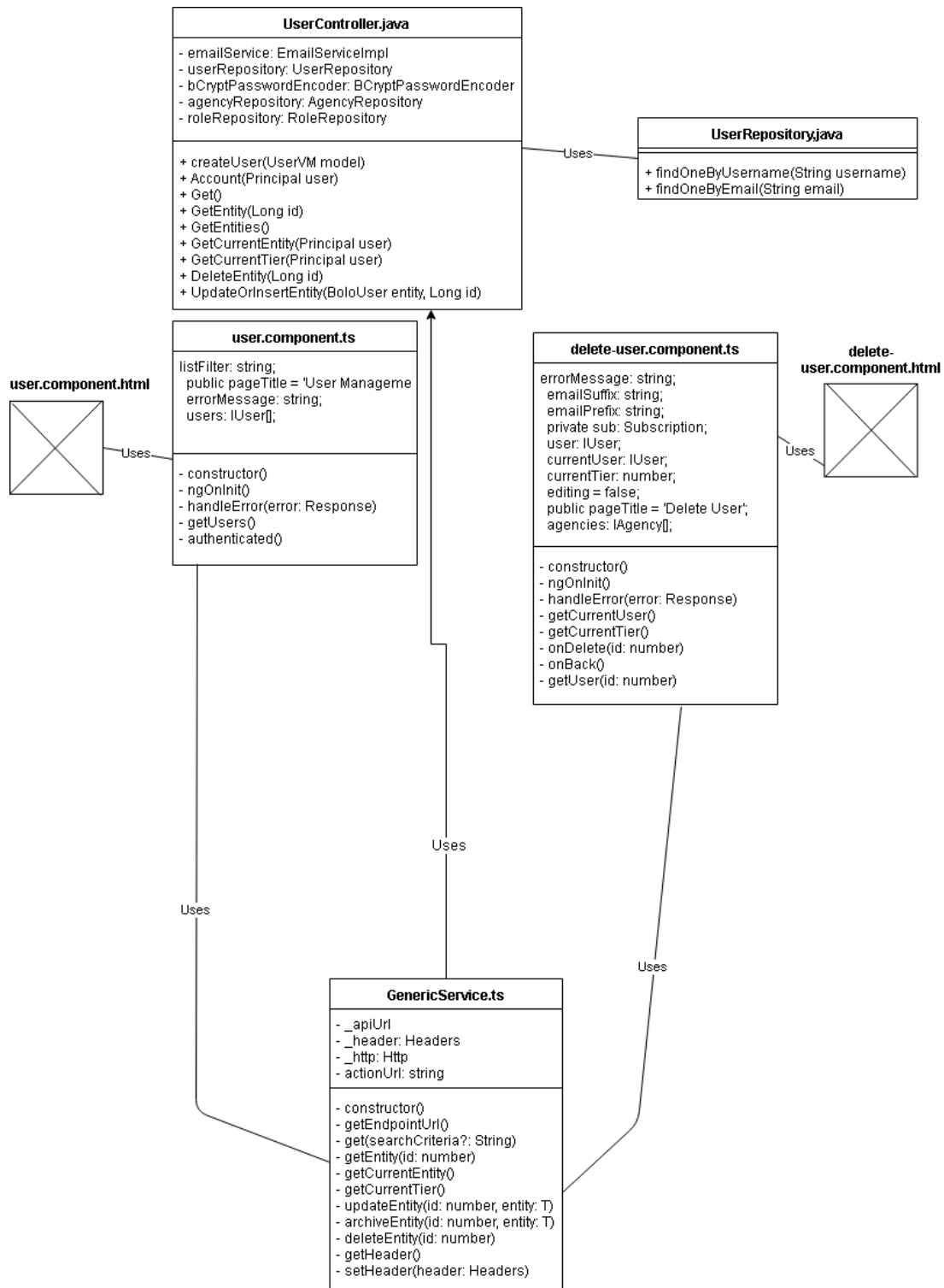
Use Case Diagram



Sequence Diagram



Class Diagram



Visual User Guide

<https://youtu.be/DZuEef8Rao>

BOLO-89: User Deletion

Name: [Jacqueline Castro](#)

Team Member(s): [Jacqueline Castro](#) [Yevanis Garcia](#)

Project: BOLO Spring 2019

Product Owner(s): Jason Cohen, Frank Alvarado

Mentor(s): [Masoud Sadjadi](#)

Instructor: [Masoud Sadjadi](#)

Description

As an admin, I should be able to permanently delete users from the system.

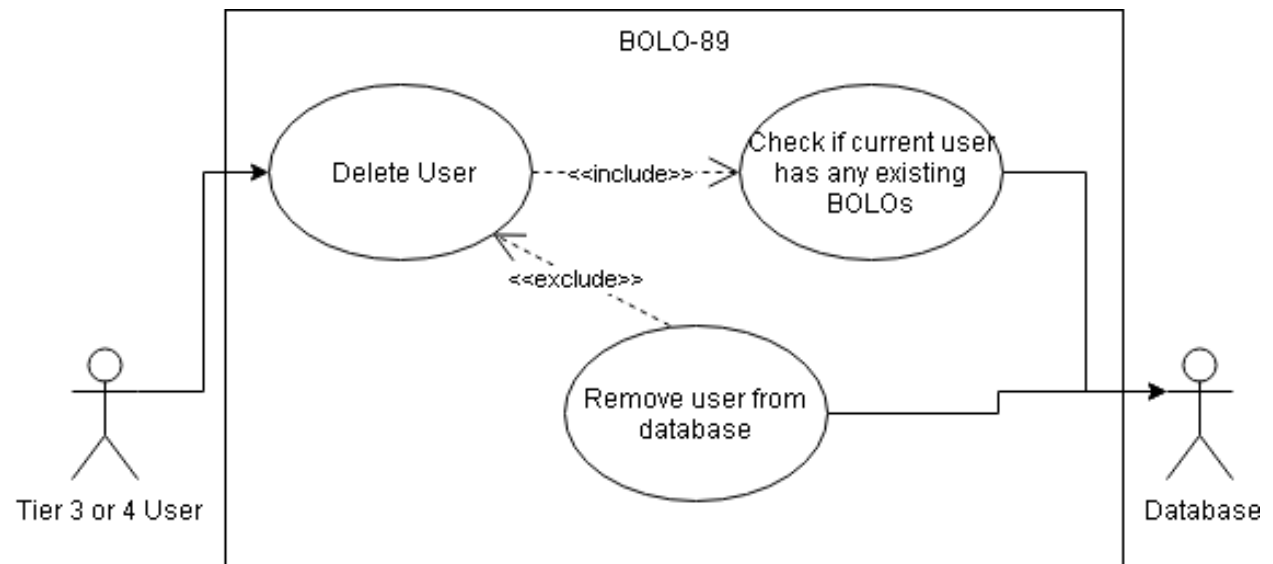
Acceptance criteria:

- When an admin deletes a user, the user should be flagged for deletion or fully removed from the database, depending on whether they have BOLOs dependent on them.
- If the user to be deleted has BOLOs tied to them, the BOLOs should stay in the system with the proper information unchanged.
- Only once there are no BOLOs tied to the user can the user be fully removed from the database.

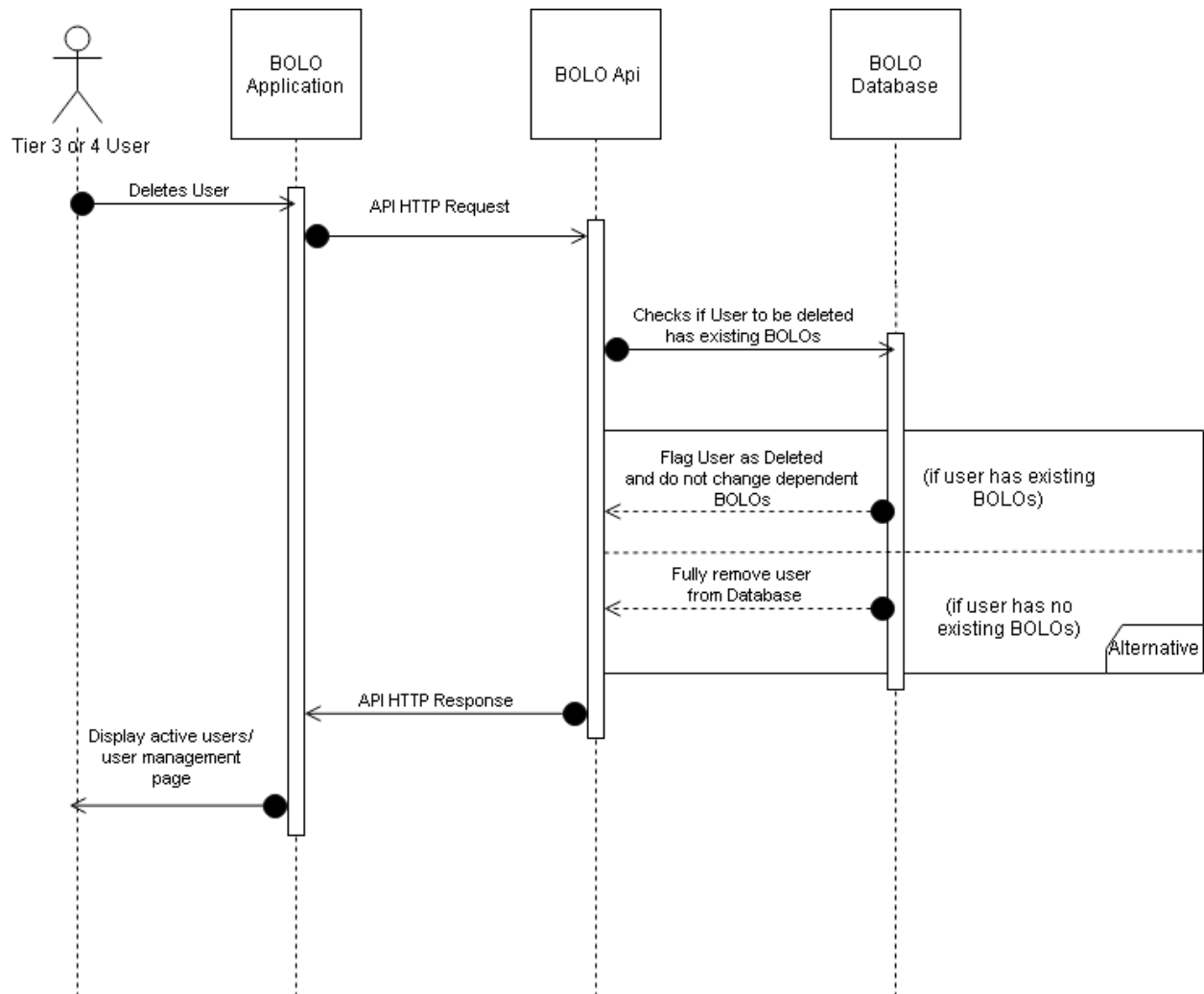
Use Case

- **Name:** BOLO-89
- **Actor:** Admin (Tier 3 or Tier 4)
- **Preconditions:**
 - The user should have a valid account and be a Tier 3 or Tier 4 user.
- **Description <Flow of events>:**
 - When an admin deletes a user, if the user has BOLOs dependent on them, the user will be flagged as deleted, but not fully removed from the database. Once there are no longer any BOLOs dependent on the user and that user has been flagged for deletion, the user will be fully removed from the database.

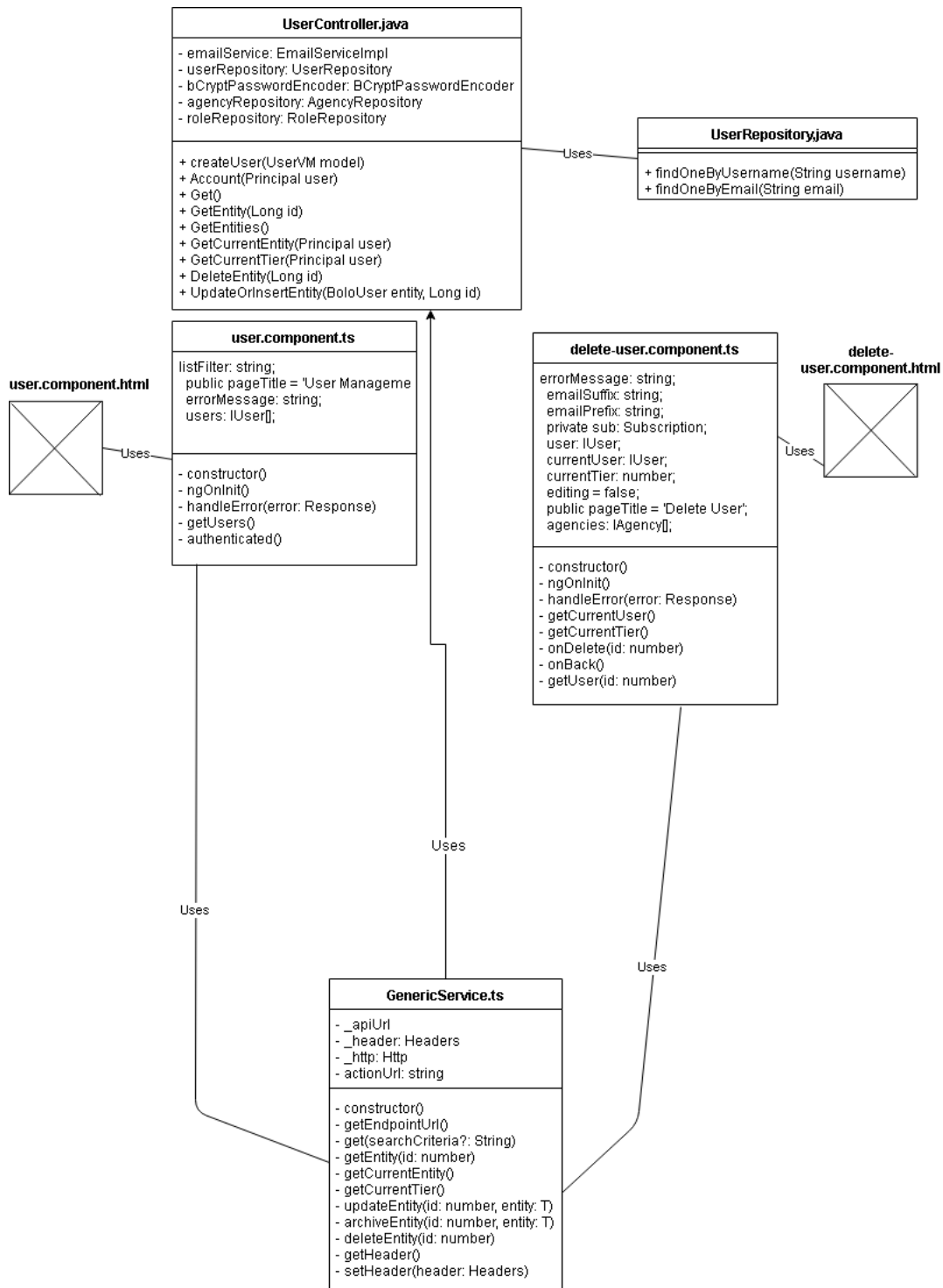
Use Case Diagram



Sequence Diagram



Class Diagram



Visual User Guide

<https://youtu.be/DZuEeaf8Rao>