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FUNCTIONAL REQUIREMENTS

# Project: Figbook

CLIENT: FIGTORY ANIMATION

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Here's a link to GitHub.  
<https://github.com/SpheMalo/COS-301-Main-Project.git>

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# 1 Vision and scope

## 1.1 Project Background

## 1.2 Project vision

## 1.3 Project scope

# 2 Application requirements and design

This section discusses for each module of the Figbook system the functional requirements as well as the process designs for the use cases and the domain models which must be maintained within persistent storage by that module.

## 2.1 Authentication

### 2.1.1 scope

This section provides the details use case requirements for the use cases offered by the Authentication module.

### 2.1.2 use cases

1. **registerAccount** **priority: important** This use case creates a user account and is persisted through to database.

**service contract** The service contract for the registerAccount service is shown in figure below. The pre-conditions are enforced (raising the appropriate exception should they not be met) and the requested account is created and persisted through to database.

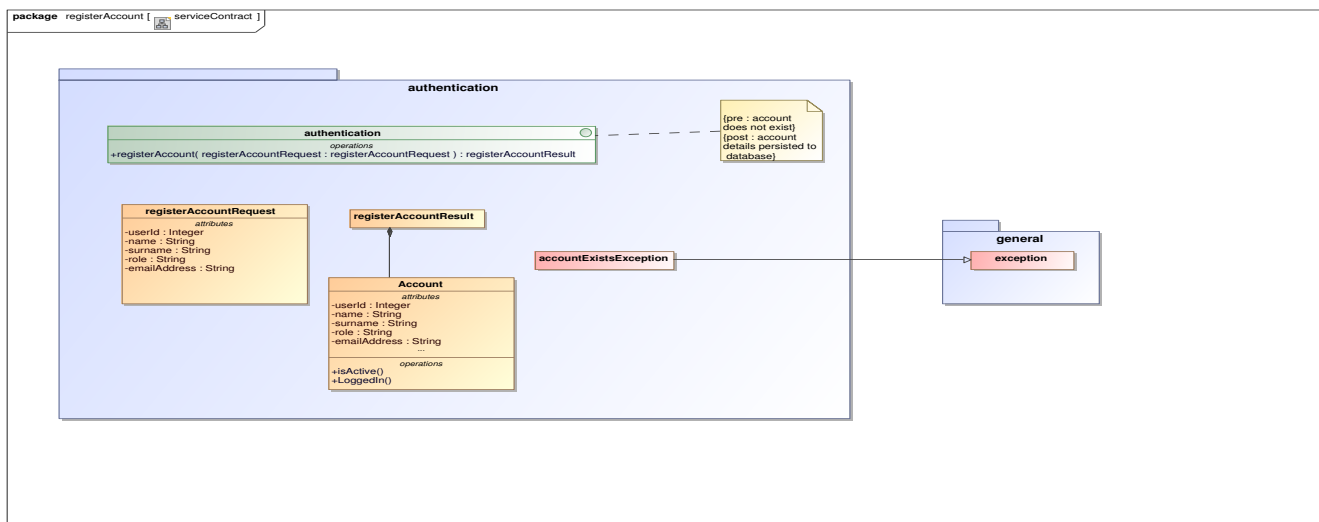


Figure 1: Service contract for registering a new user account

## 2. Login

### 3. Logout - priority: important

This use case allows a user to log out of the system safely.

**Service contract:** The service contract for logging out is shown below. The preconditions are enforced and the users session is ended, thus logging the user out of the system.

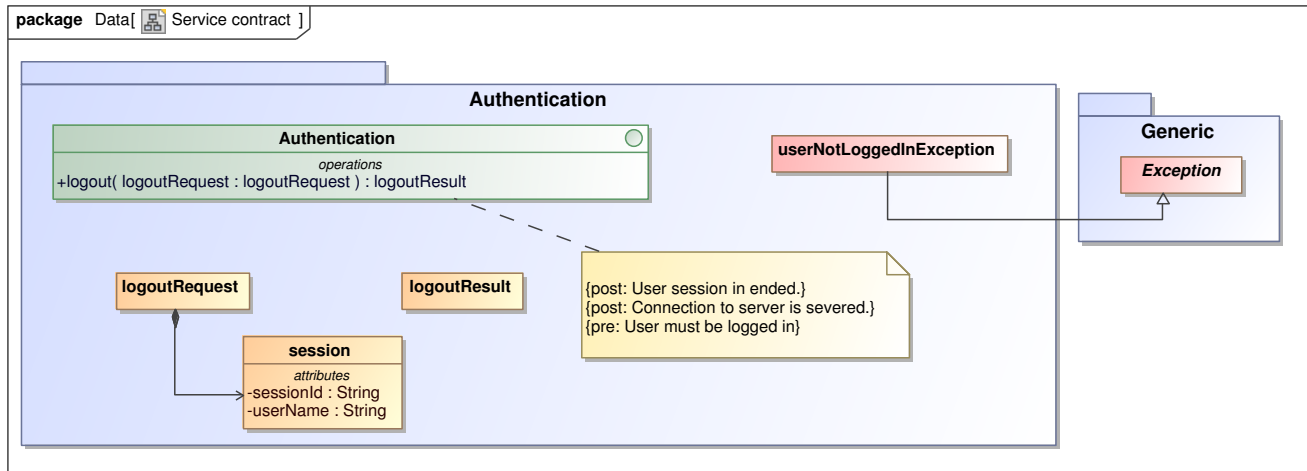


Figure 2: Service contract for logging a user out of the system

### 4. EditAccount

5. **deleteAccount** priority: important This use case creates a user account and is persisted through to database.

**service contract** The service contract for the deleteAccount service is shown in figure below. The pre-conditions are enforced (raising the appropriate exception should they not be met) and the account of interest is deleted and changes are persisted through to database.

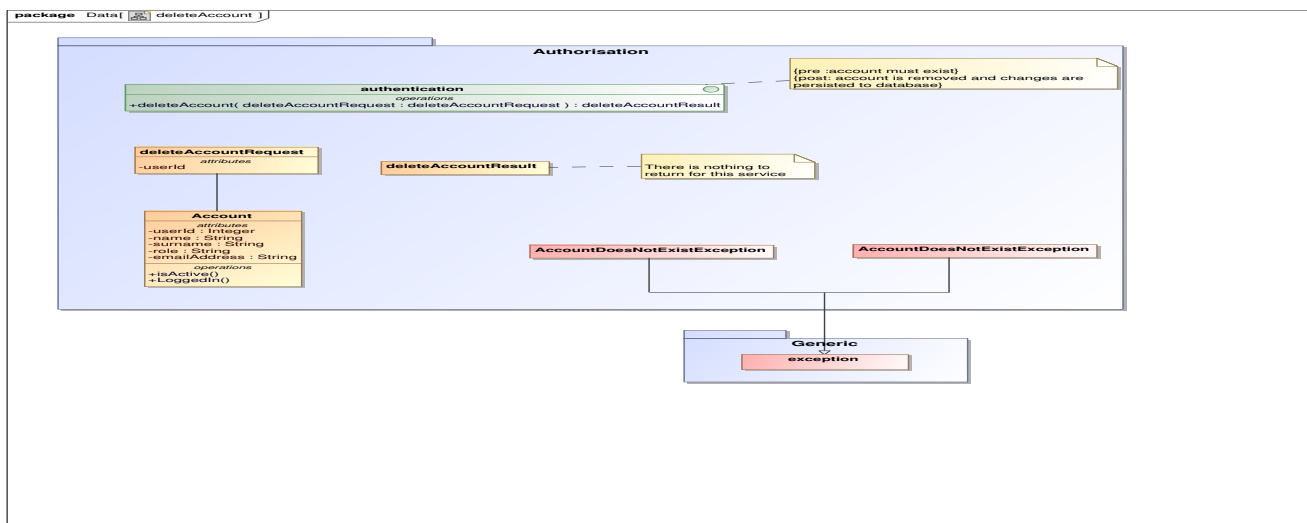


Figure 3: Service contract for deleting a users account

## 6. SuspendAccount - priority: important

This use case allows the system administrator to suspend a users account for any reason he/she may see as appropriate. A suspended account bars the user from logging in and/or using the account until the administrator lifts the suspension.

**service contract:** The service contract for the suspendAccount service is shown below.

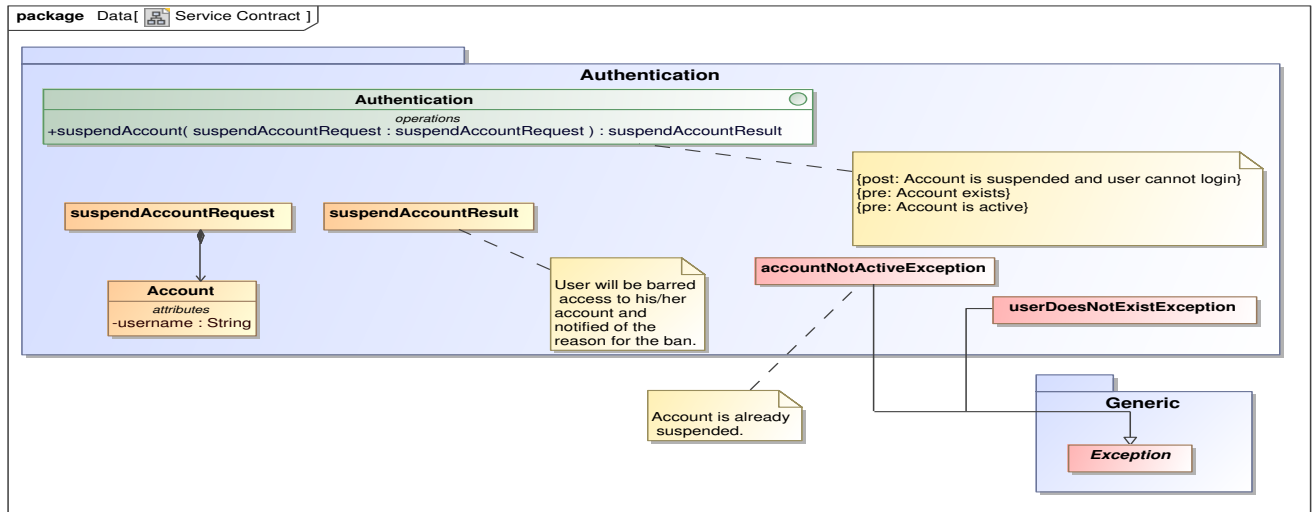


Figure 4: Service contract for deleting a users account