**Use Case Name:** Sign In

**ID:** 1

**Importance Level:** High

**Primary Actor:** User

**Use Case Type:** Functional, Essential

**Stakeholders and Interests:**

User: wants to sign in

**Brief Description:** This use case describes how a user can sign as an app user.

**Trigger:** User presses login button after filling out username and password.

**Type:** External

**Relationships:**

Associations: User

Include: username search, password validation

Extend:

Generalization:

**Normal Flow of Events:**

1. The User opens the application.

2. The User provides username and password.

3. The System searches its database for a User with the provided username.

4. The System encrypts the provided password.

5. The System validates the encrypted password with the User password from the database.

6. The User logs into the app.

**SubFlows:**

**Alternative/Exceptional Flows:**

3a. The User is not found with provided username, the login request is rejected. (HTTP 400)

5a. The password doesn’t match the encrypted password provided, the login request is rejected. (HTTP 403)