

# User Login

## 1 Description

Lets a user log in to the app, and verifies their identity before giving them access to any personal data.

## 2 User

A user of the Android version of AlarmBuddy. This user should already have an account created.

## 3 Preconditions

- No one is currently logged in to this instance of the app
- User already has an AlarmBuddy account

## 4 Main Scenario

1. App displays the login screen, which contains fields for the username and password
2. User enters their username and password correctly
3. App verifies that username and password match a valid AlarmBuddy account in our records
4. App permits user access and opens the home screen of the app

## 5 Alternate Success

### 5.1 Logging in on a new device

1. User attempts to log in to their account on a device they've never used before
2. User successfully logs in as described in Main Scenario

3. App sends a security notification to the user, letting them know about the new device sign-in

## **6 Exception Cases**

### **6.1 User enters password incorrectly**

1. App displays login screen
2. User types in a valid username with an incorrect password
3. App informs user of the incorrect password, and prompts them to try again
4. Repeat steps 2 and 3 three times
5. If the user incorrectly types their password a third time, the device should enforce a timeout period and prevent access
6. The app should logs a security incident and notify the account holder of a potential breach

### **6.2 User does not exist**

1. App displays login screen
2. User types in an invalid username and any password
3. App informs the user that the account they are trying to access does not exist
4. App allows user to try again with a different username

## **7 Postconditions**

- User is logged in to their account
- Upon successful login, the user should be navigated to their personalized home screen
- The user should not have access to anyone elses account

## **8 Frequency of Use**

This use case occurs whenever a user logs in on a new device, or whenever they log out of an existing device and log back in. We can expect this to occur somewhat frequently.