Register Use Case

**Primary Actor:** User

**Goal:** Register for an account.

**Scope:** The register activity screen.

**Stakeholders and Interests:** Developers and the end-user, application and back-end server.

**Supporting Actor:** System – authentication services.

**Brief Description:** The user is attempting to sign-up to register an account with the app.

**Trigger:** The ‘create an account?’ button has been pressed.

**Pre-condition:** User is currently unregistered and has internet access.

**Post-condition:** A message is displayed confirming a successful sign-up and the user is prompted to login or return to the home screen.

**Main Sequence:**

1. User enters desired username and password as well as name and e-mail.

2. App connects to SQL database on localhost to determine if username/e-mail are already in use.

3. If both are available, a message is displayed confirming registration and the information is stored in the table for future reference (such as requesting a login).

4. After user is registered they are taken to the login screen.

**Extensions:** If the username/e-mail specified are already in-use, registration fails. User may lose internet connection during verification process, cancelling the registration request.

**Success Guarantee:** The user has created their personal account.

**Minimum Guarantee:** Regardless of outcome, the user can always return to the home screen.

Login Use Case

**Primary Actor:** User

**Goal:** Gain access to more features within the forum, for example, posting a thread or a comment on an existing thread.

**Scope:** Login screen activity.

**Stakeholders and Interests:** Developers and the end-user, application and back-end server.

**Supporting Actor:** System – authentication services.

**Brief Description:** The user is attempting to login to their account to post on the forums.

**Trigger:** The ‘login’ button has been pressed.

**Pre-condition:** User is a registered member and has internet access.

**Post-condition:** A message is displayed confirming successful login and the user is returned to the forums.

**Main Sequence:**

1. User enters in their username and password.

2. App initiates connection to SQL database on localhost to verify the identification.

3. The SQL table is scanned to check if the credentials are valid/exists within the database.

4. If the login is successful the user is greeted with a welcome message display and are then taken to the forums section.

**Extensions:** Username and password combination may be incorrect; thus, user is prompted to retry. The user may also lose internet connection during verification process, cancelling the login request.

**Success Guarantee:** Successfully logged into the app.

**Minimum Guarantee:** The user can skip to the forums section without signing in.