

SEQUENCE DIAGRAM:

The user initiates the login process by entering their credentials (username and password) in the Application login page. Application's server receives the login request from the user. Application's server checks the user's credentials against its database to validate the login. If the credentials are valid, Application's server sends a success response to the user. The user is redirected to their Application home page, where they can access their profile, news feed, and other features. If the user's credentials are invalid, Application's server sends an error response to the user, and they are prompted to try again. If the user has forgotten their password, they can request a password reset by clicking on the "forgot password" link on the login page. Application's server sends a password reset email to the user's registered email address. The user can reset their password by following the instructions in the password reset email. Once the user has reset their password, they can log in to Application using their new credentials.

This process shows the basic flow of events when a user interacts with the Qurb application.

Actor: User

User -> Qurb App: Launch app

Qurb App -> Server: Authenticate user

Server -> Qurb App: Return user profile data

Qurb App -> User: Display home feed

User -> Qurb App: Tap on a post

Qurb App -> Server: Retrieve post data

Server -> Qurb App: Return post data

Qurb App -> User: Display post

User -> Qurb App: Like post

Qurb App -> Server: Register like

Server -> Qurb App: Confirm like registration

Qurb App -> User: Update like count on post

User -> Qurb App: Add comment

Qurb App -> Server: Register comment

Server -> Qurb App: Confirm comment registration

Qurb App -> User: Update comment section of post

User -> Qurb App: Search for user

Qurb App -> Server: Retrieve user search results

Server -> Qurb App: Return search results

Qurb App -> User: Display search results

User -> Qurb App: Follow user

Qurb App -> Server: Register follow

Server -> Qurb App: Confirm follow registration

Qurb App -> User: Update follower count for user

