

Main Features Pseudocode

1. Creating User Profile

createProfile(userData)

If userData is invalid then

 Return error “Invalid Data”

endIf

Create profile {

 userID,

 Username,

 Password,

 Email,

 FirstName,

 LastName,

 Birthday,

 Bio,

 FollowersList,

 FollowingList,

 BlockingList,

}

If creating profile gives error then

 Return error “Error with creating user”

endIf

Save userProfile to Database

Return profile and give “user successfully created” prompt

2. Posting

createPost(userID, content)

If content is empty then

 Return error “Post can’t be empty”

endIf

Post {

 postID,

 userID,

 Content,

 Likes,

 Comments,

 postCreatedAt,

}

Save Post to Database and return “Post successfully created” prompt

3. Feeds

GenerateFeed(userID)

Feed is empty list

Get Trending Post today

Get recent posts from followed users from userID

Get recommended posts that is excluded from followed users

Combine trending post, follower posts, and recommended posts into feed

Sort feed by newest first

Return feed