

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