

# Task 1

## Description of the Web Application and Target Audience

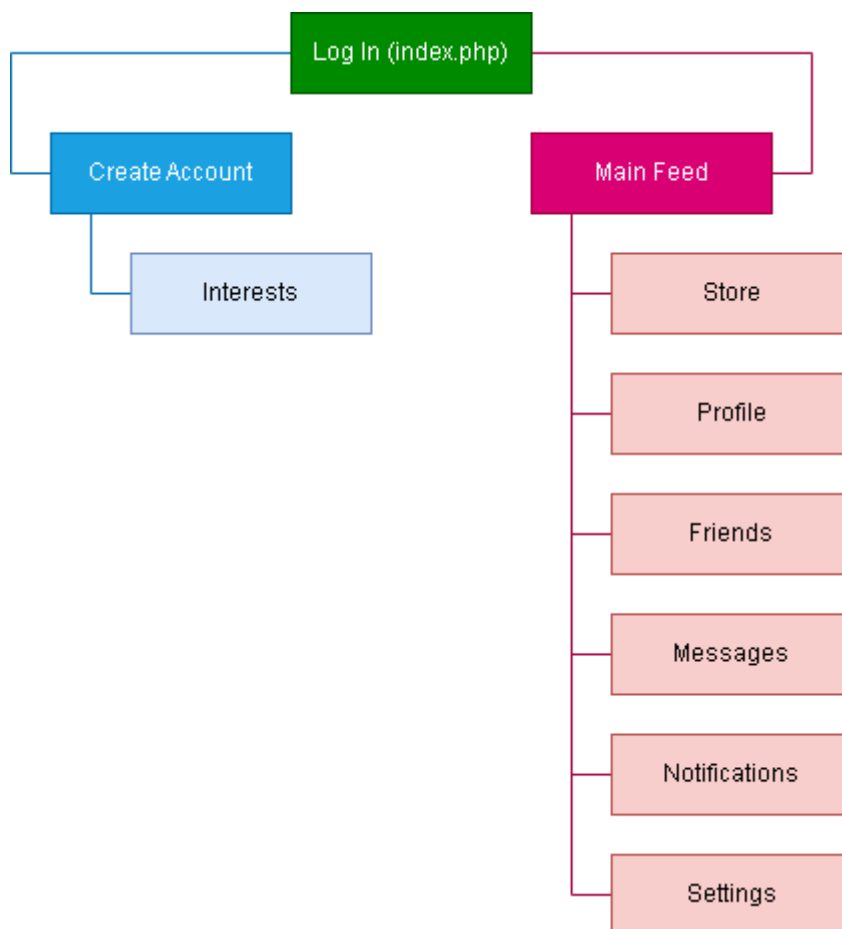
### Web Application Description

The web application is a Social Media Platform that allows users to create accounts, log in, post content, interact with other users through messages, and manage their profiles. The platform includes features such as a main feed, store, profile management, friends list, messages, notifications, and settings.

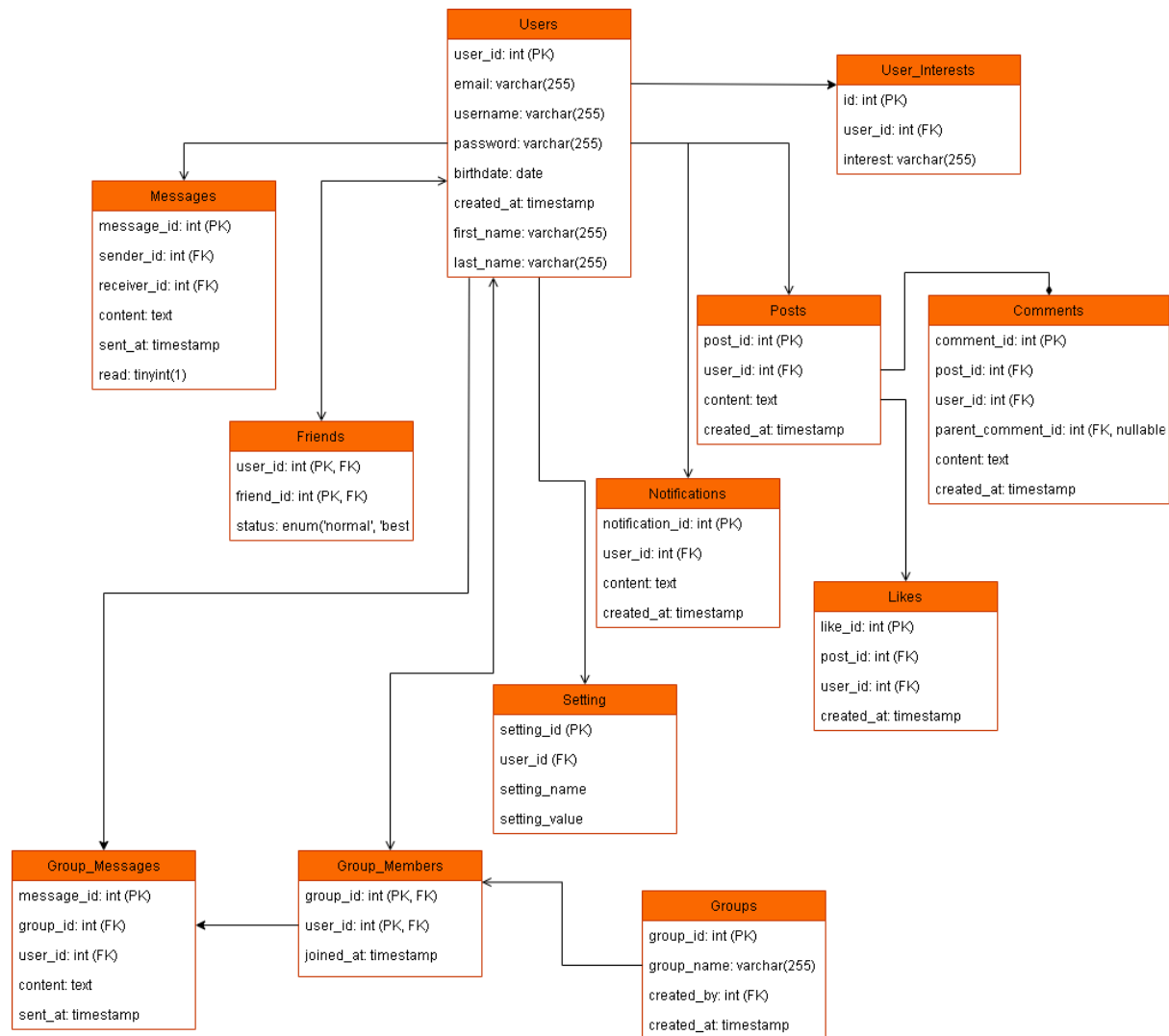
### Target Audience

The target audience for this Social Media Platform includes individuals aged 18-35 who are used to being on the internet and interested in connecting with friends, sharing content, and engaging in online communities.

### Sitemap



# UML Diagram



## IPO Chart for Testing Strategy

Test Case	Input	Process	Expected Output	Actual Output	Pass/Fail
TC1	Username, Password	User submits login form	System authenticates user	Redirected to main feed	
TC2	Email, username, password	User submits registration form	System created new user	Redirect to interests	
TC3	Interest selections	User submits interests form	System saves interests	Redirect to main feed	
TC4	New post content	User submits new post	System saves post to database	Post appears on main feed	
TC5	Message content, recipient	User sends message	System saves message to database	Message appears in recipient's inbox	
TC6	Friend request	User sends friend request	System saves friend relationship	Friend appears in user's friend list	
TC7	Notification content	System generates notification	System saves notification to database	Notification appears in user's notifications	
TC8	Setting name, Setting value	User updates setting	System saves setting	Setting appears updated in settings page	
TC9	Comment content	User submits comment	System saves comment to database	Comment appears under the post	
TC10	Like action	User likes a post	System saves like to database	Like count increases on the post	
TC11	Group creation data	User creates a group	System saves group to database	Group appears in group list	
TC12	Group membership data	User joins a group	System saves membership to database	User appears in group member list	