

Social Content Sharing Platform

Week 2 Submission

Batch: B02

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The problem

Company

- Current Social Media Platforms are company / advertiser centric.
- The content ranking algorithm used by them is proprietary and advertiser-centric and does not benefit the user.

Context

- Users want to be in control of the posts they see.
- Users want posts to be ranked according to their merit and age.
- Users want to be able to follow other users.

Problem statement

- Create a diverse and equal platform for all users where content is sorted algorithmically using their merit, decided by the community.
- Users get to choose who they follow.

Challenges deep-dive

Challenge 1

Audience-centric algorithm

Device a fair algorithm that is based on community taste of a post.

Challenge 2

New posts should outrank old ones

To avoid oversaturation, newer posts should be given higher priority over old posts.

Challenge 3

User should be able to express opinion

Let user not only express liking, but also express their disliking of a post or comment, for better ranking.

Solution

SCSP

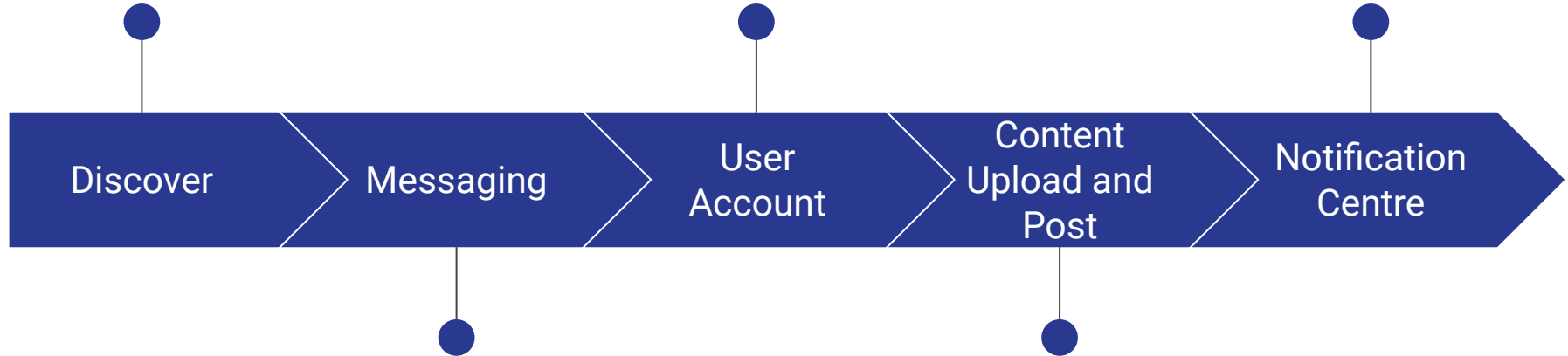
SCSP devices a mix of social platforms, using all the benefits and discarding all disadvantages

Modules

View content shared by peers whom you follow. Content is sorted so that newer and better content is shown first.

User Account - View / Change account details like name, bio, dp. Users can only change their own details post authentication.

View and open notifications received by a user pertaining to his account and posts. Get notified about peers commenting on your posts.

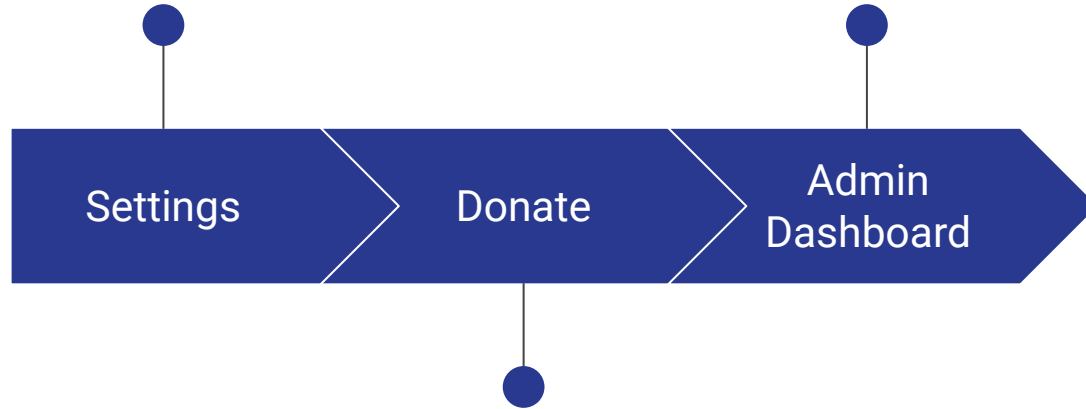


Chat with your peers or anyone else in the world. Chats are asynchronous and stored on a centralised server.

Let users upload and share content. Store the content in the database and let it be accessible to all other users who follow him.

Change site settings on a per-user basis. Toggle between light and dark mode. Clear cache and stored cookies.

Show statistics and data about users, registrations, posts, comments, and other similar insights about the platform.



Support the application with donation. Donations are optional and do not affect any functionality of the application.

Entity Relation Diagram

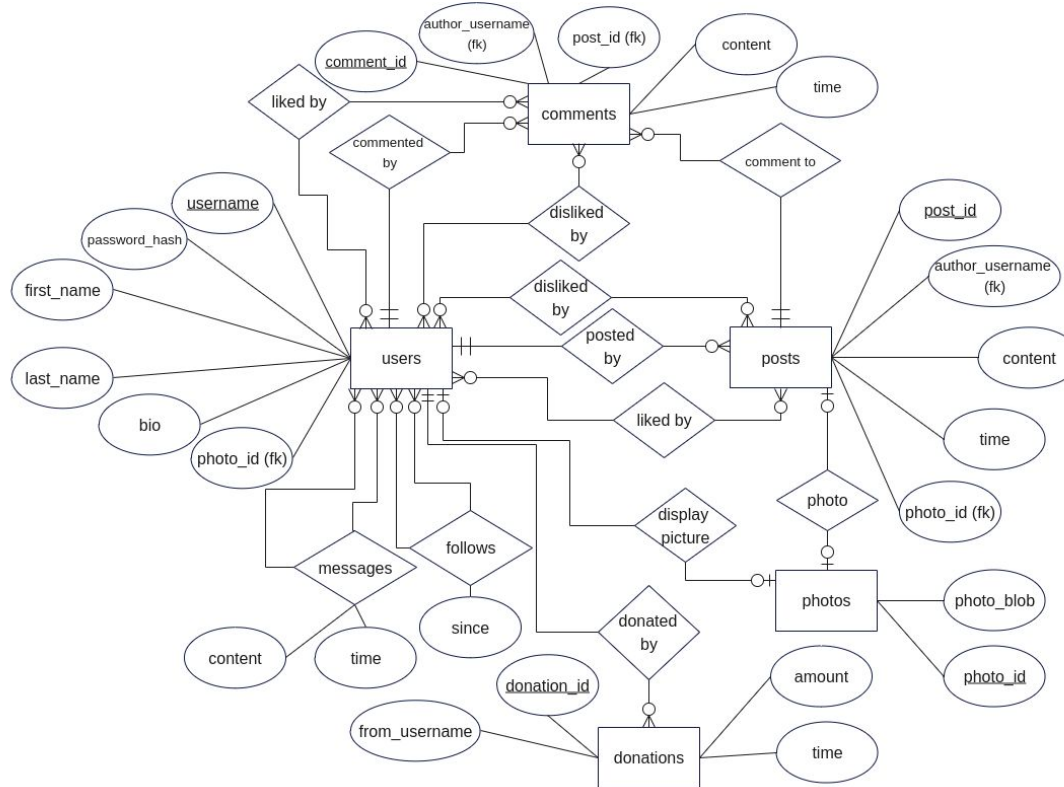
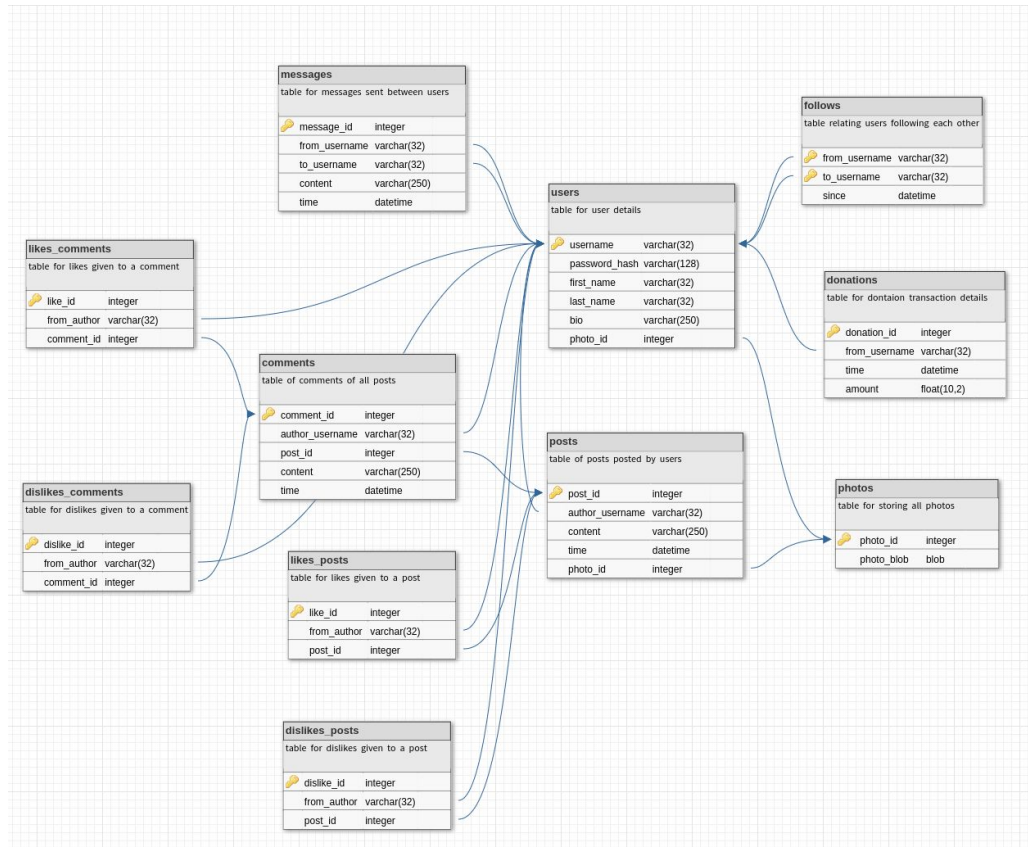
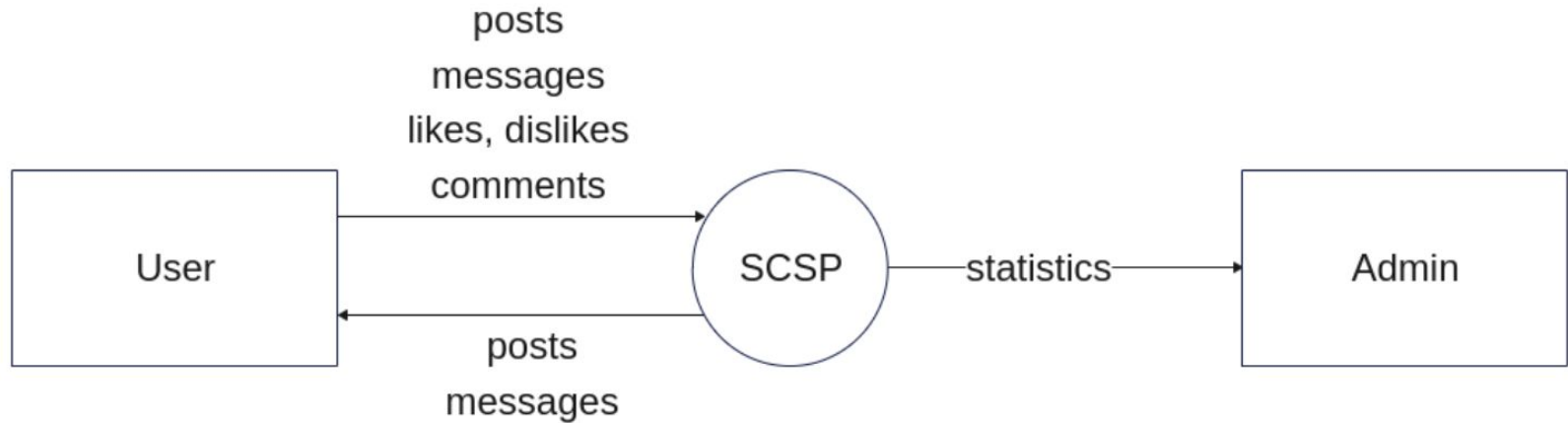


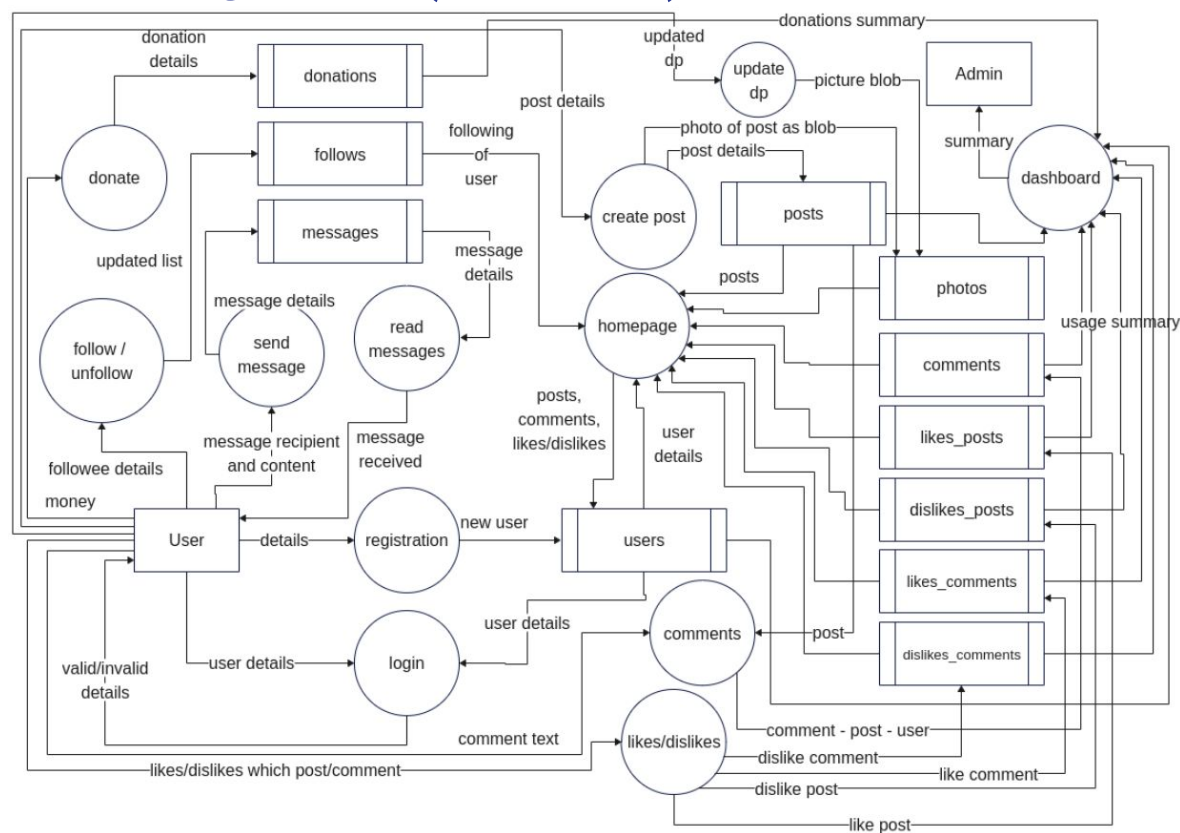
Table Schema



Data Flow Diagram (level 0)

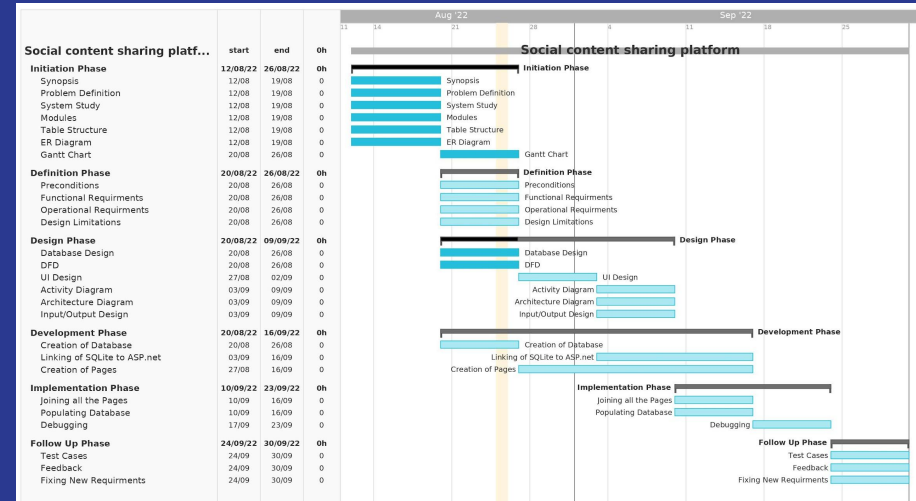


Data Flow Diagram (level 1)



Timeline

Gantt Chart





Thank You

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