

Project Design Phase-II

Data Flow Diagram & User Stories

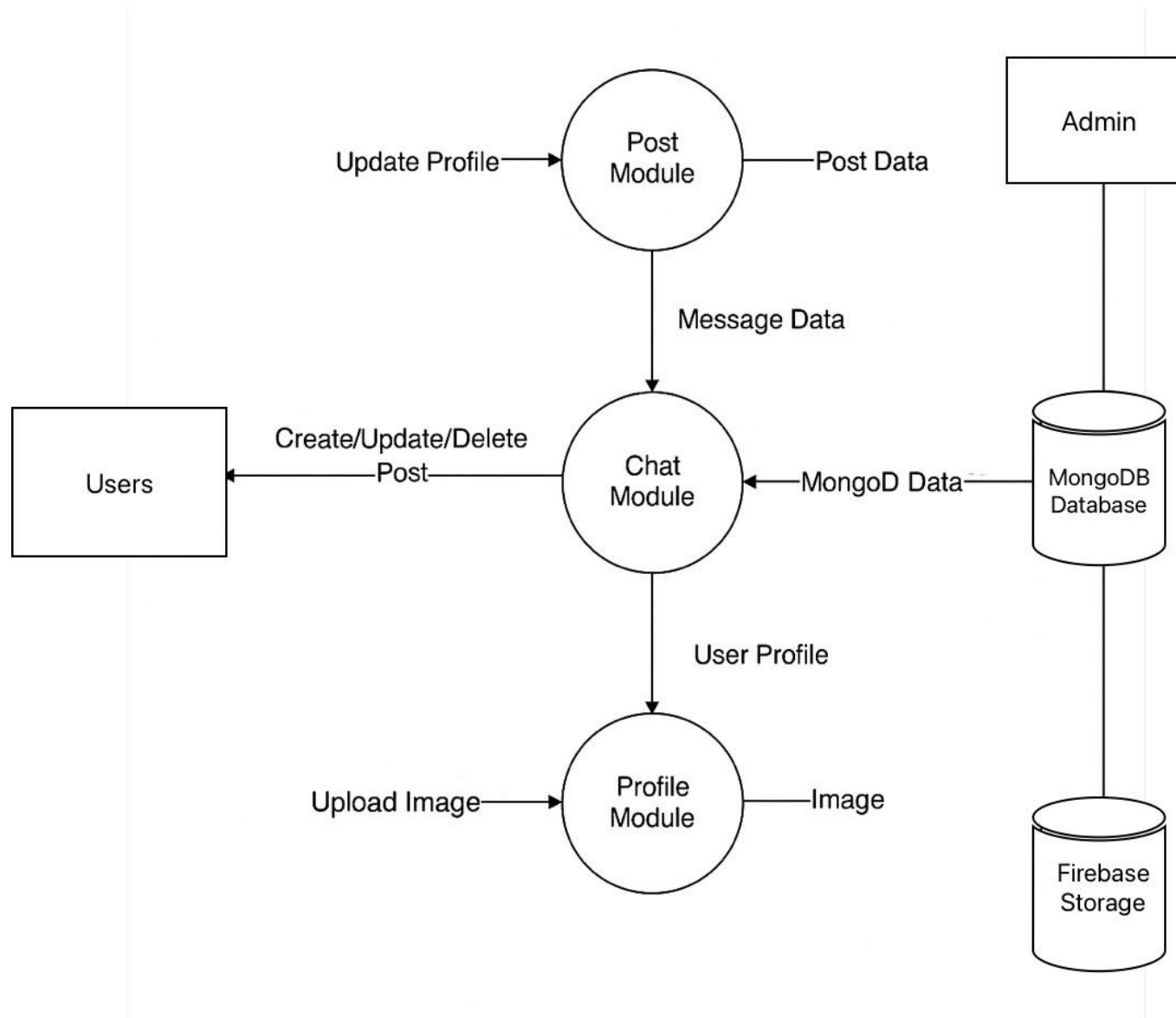
Date	26-06-2025
Team ID	SWUID20250172428
Project Name	Social Media App
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) illustrates how data moves within the **Sociallex** platform. It captures user interactions (e.g., profile updates, posts, chat), how information is processed, and how it flows through key components like the database, media storage, and real-time messaging.

Key DFD Entities:

- Users (regular users)
- Admin
- Post Module
- Chat Module
- Profile Module
- Firebase Storage
- MongoDB Database



User Stories – Socialex

User Type	Functional Requirement (Epic)	User Story / Task	Acceptance Criteria	Priority	Release
User	Profile Management	As a user, I can update my bio and profile picture.	Profile info is updated and saved.	High	Sprint-1
User	Post Creation	As a user, I can create and share a new post.	Post appears on feed and profile.	High	Sprint-1
User	Post Interaction	As a user, I can like and comment on posts.	Interaction updates in real-time.	Medium	Sprint-2
User	Messaging	As a user, I can send and receive real-time messages.	Messages are delivered instantly.	High	Sprint-1
User	Notifications	As a user, I receive notifications when others interact.	Notifications appear in bell icon.	Medium	Sprint-2
Admin	User Moderation	As an admin, I can remove inappropriate content or ban users.	Action is logged and reflected immediately.	High	Sprint-2
User	Search Users	As a user, I can search for other users by name or interest.	Relevant users appear in results.	Medium	Sprint-2
User	Follow/Unfollow	As a user, I can follow or unfollow others.	Follower count updates correctly.	High	Sprint-1
User	Media Upload	As a user, I can upload profile and post images.	Media is stored in Firebase and shown.	High	Sprint-1