Social Network

Features:

1. Login/Register (Authentication and Authorization)
2. Upload post
3. Delete post
4. Like post
5. Profile update
6. Friends
7. Chat application
8. Notifications
9. Stories
10. User Feed
11. Search

Optional:

1. API
2. Login using face recognition
3. Voice commands using speech recognition

Database: User, Posts

Tech Stack: HTML/CSS/JS, Node, PostgreSQL

Project Plan:

Week 1: Understanding problem scope

Week 2: Learn NodeJS, PostgreSQL

Week 3: Implement user register and login functionality

Week 4: Create user profile (Database Integration)

Week 5: Create chat application for users

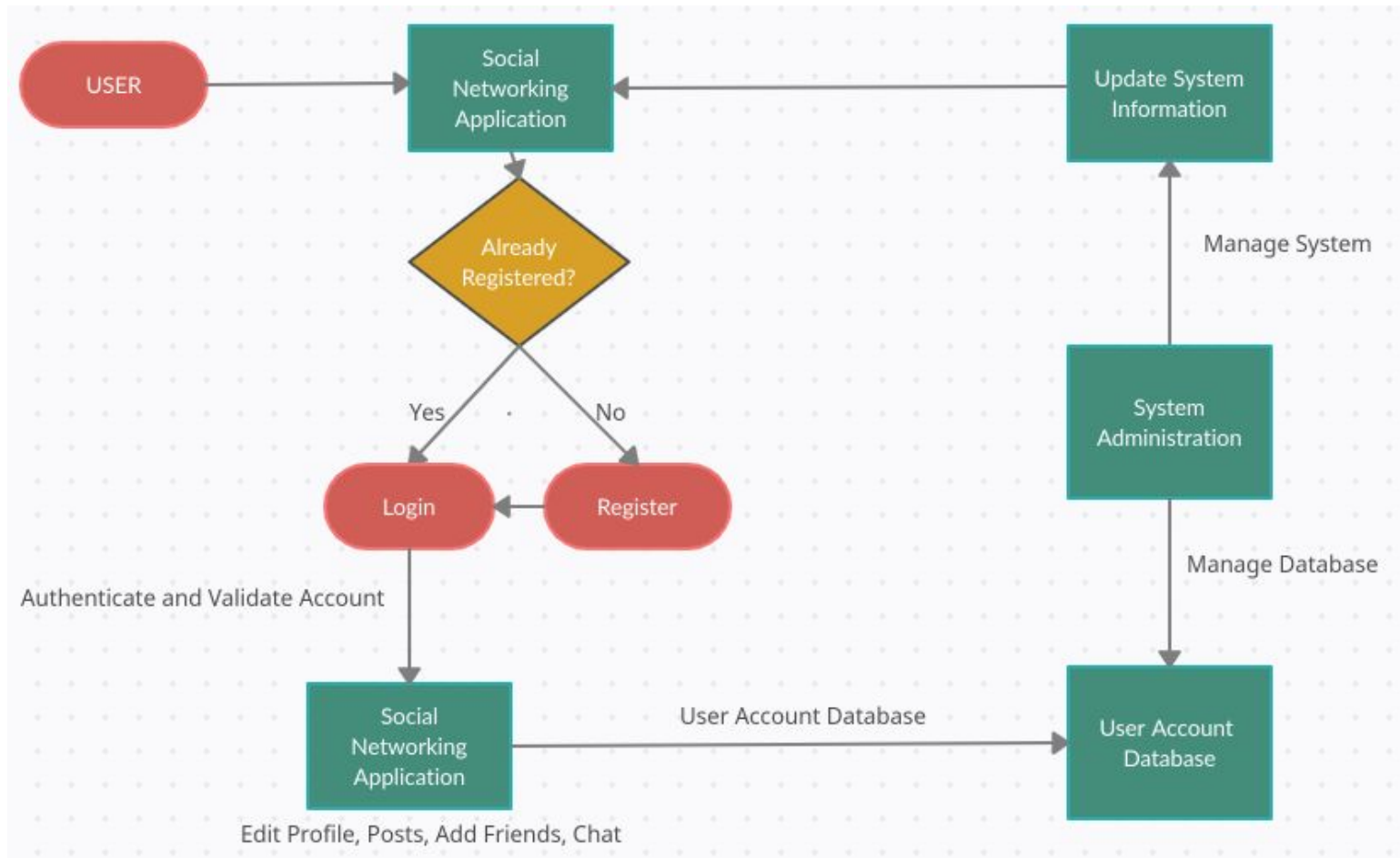Week 6: Implement remaining features/ Start working on additional features

Week 7: Debugging and Optimization

Week 8: Finalization of project and documentation

Week 9: Integration of additional features

Week 10: Final testing and documentation review

Data Flow Diagram:

With additional features: