**Project: Mystelio - Social Media Application**

**Introduction:**

Welcome to the kickoff of our Social Media Application project. This document outlines the key aspects of our project, including the chosen tech stack, modules, and initial tasks for Day 1.

**Tech Stack:**

* **Frontend:** React
* **Backend:** Express, Node.js
* **Database:** MySQL
* **Styling:** Custom CSS with Styled Components

**Modules:**

1. **User Authentication**
2. **Direct Messaging**
3. **User Profiles**
4. **Feed/Posts**
5. **Notifications**

**Database Schema:**

* Users Table
* Messages Table
* Posts Table
* Notifications Table

**Additional Points:**

* Utilize Styled Components for dynamic styling.
* Implement token-based authentication for security.
* Explore real-time communication libraries for instant messaging.

**Day 2 Tasks:**

1. Set up the project structure.
2. Initialize React frontend and Express backend.
3. Create basic UI components for login and signup.
4. Establish the MySQL database connection.

**Day 2: Logo Design**

**Logo Concept:**

Our application, Mystelio, needs a unique and representative logo that captures the essence of social interaction and mystery. The chosen color palette sets the tone for a vibrant and engaging visual identity.

**Color Palette:**

:root {

--thistle: #cdb4dbff;

--fairy-tale: #ffc8ddff;

--carnation-pink: #ffafccff;

--uranian-blue: #bde0feff;

--light-sky-blue: #a2d2ffff;

}

**Logo Elements:**



1. **Circle Background:**

.circle {

width: 120px;

height: 120px;

background-color: var(--uranian-blue);

border-radius: 50%;

display: flex;

align-items: center;

justify-content: center;

margin-right: 16px; /\* Adjust as needed \*/

}

**Logo Composition**

<div class="logo-container">

<div class="circle">

<span class="logo">M</span>

</div>

<div class="tagline">Mystelio - Connect in Style</div>

</div>

**Day 2: Frontend Setup and Basic Pages**

**Objective:**

1. Set up the frontend project.
2. Implement a responsive sidebar.
3. Design login and register pages.
4. Apply basic styling using the provided color palette.

**Tasks Completed:**

**1. Frontend Project Setup:**

* Initialized a React project using Create React App.
* Organized project structure with folders for components, assets, and styles.
* Integrated Font Awesome for icons.
* Set up basic CSS reset and color palette.

**2. Responsive Sidebar:**

* Created a responsive sidebar with a toggle button.
* Implemented a smooth transition for the sidebar.

**3. Login and Register Pages:**

* Designed login and register pages with basic form elements.
* Applied styling using the provided color palette.

**4. Styling:**

* Created a global CSS file with color variables and basic styles.
* Styled components using the color palette for a consistent look.

**Next Steps:**

1. **Authentication Flow:**
   * Implement authentication logic on the frontend.
   * Connect the frontend authentication with the backend.
2. **Direct Messaging Module:**
   * Design and implement the direct messaging module.
   * Connect frontend messaging with backend APIs.
3. **Feed Module (Twitter-like):**
   * Plan and design a feed module.
   * Implement basic feed functionalities.
4. **Documentation:**
   * Maintain documentation for code and project structure.
   * Update documentation regularly.

**Challenges Faced:**

* None so far.