

# **Advanced Web Technologies**

Chat Room Project

Student Name: Senay KULA

Student Number: 699375422 Instructor: Ami Dave

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### **Project Structure**

1. **Client-Side Application (Console)**
   * Main Menu: Login, Register, Quit
   * Login Page: Username, Password
   * Register Page: Username, Password, Email
   * User List Page: List users, Check online/offline status, Direct message option, Quit
   * Direct Message Mode: Select user to message, Messaging window
2. **Server-Side Application**
   * Handle registration requests
   * Handle login requests
   * Handle user search requests
   * Handle direct messaging
3. **Database (MongoDB)**
   * Store user credentials (username, password, email)
   * Retrieve user information
   * Store and retrieve messages