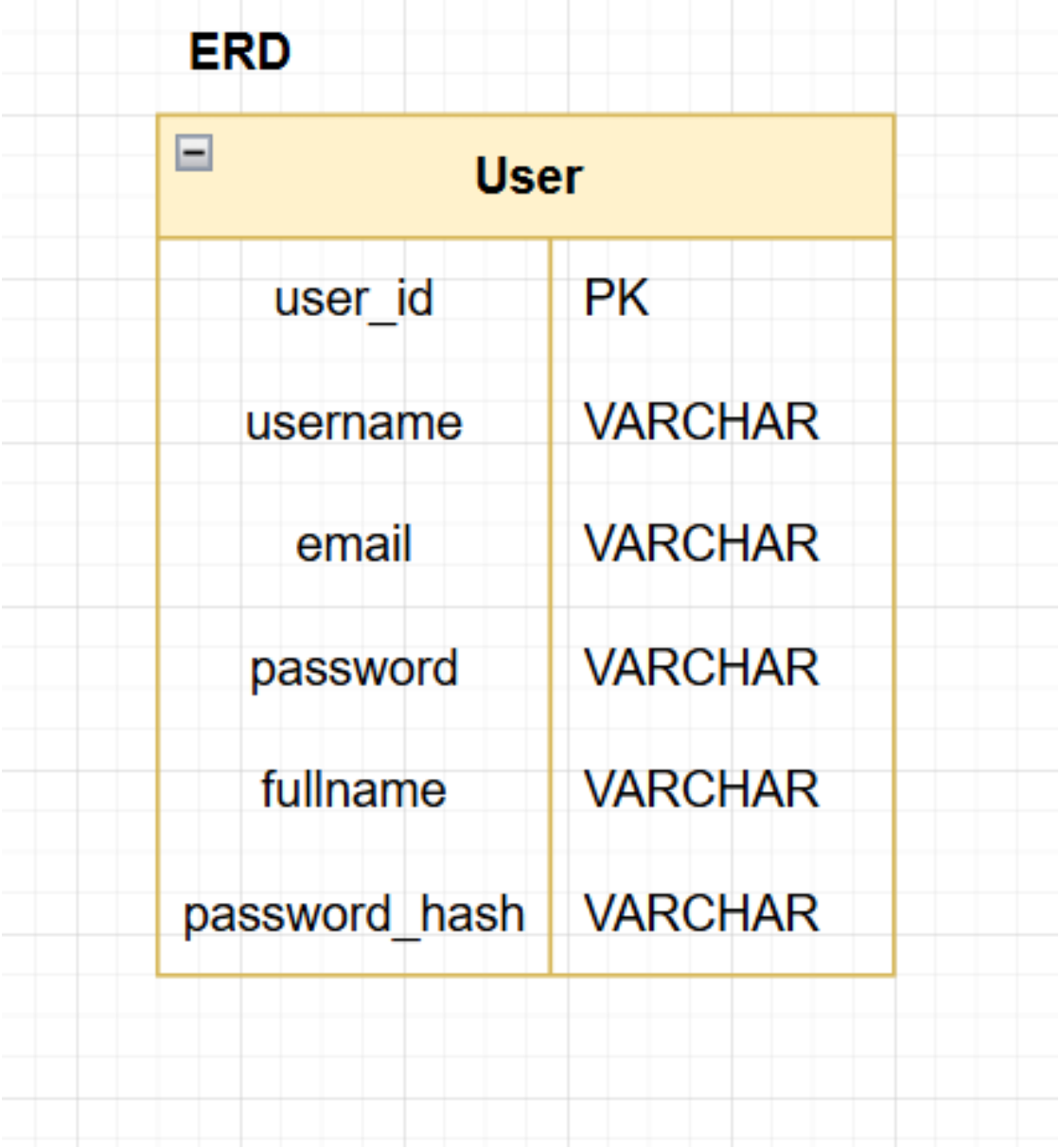
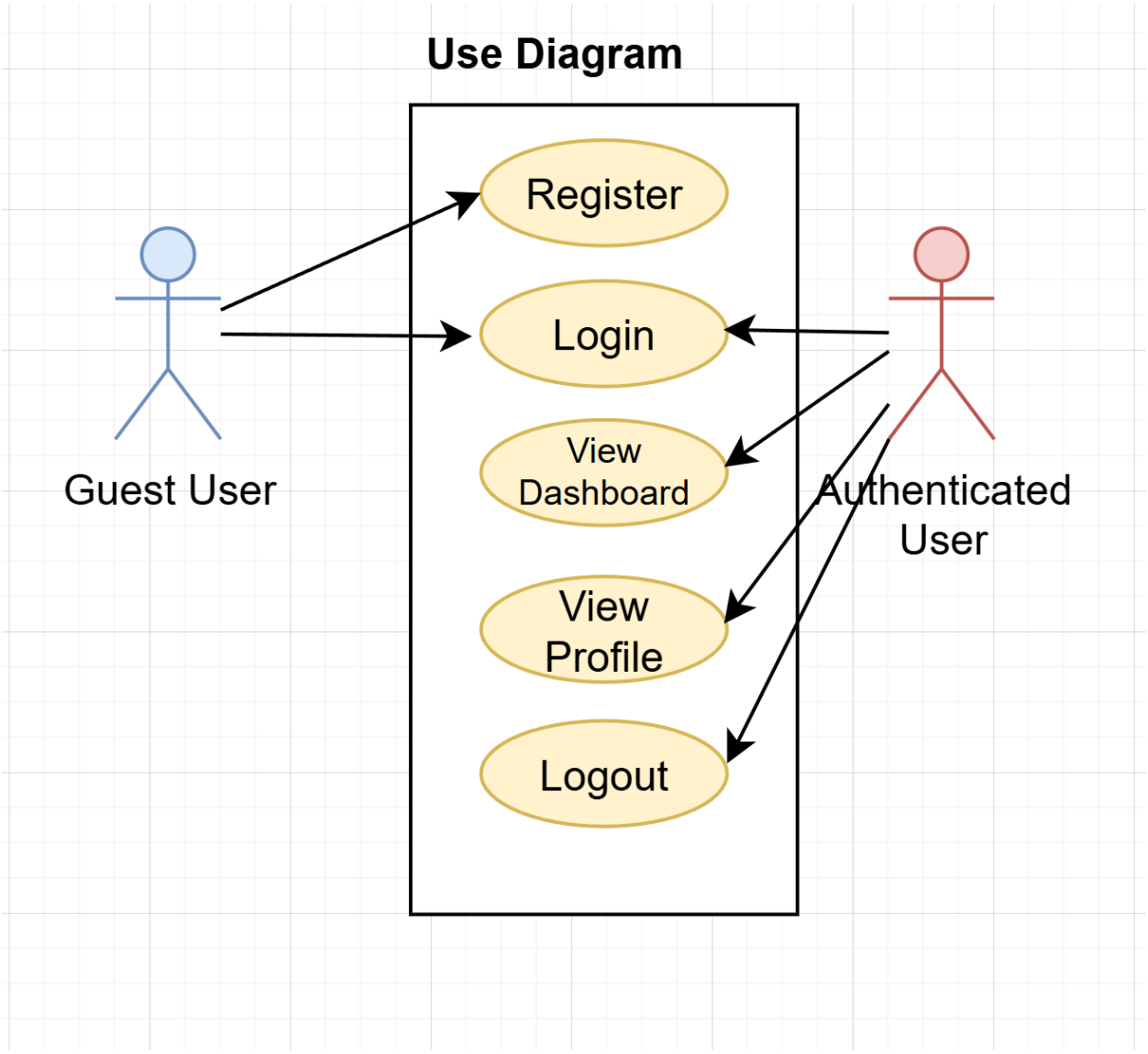
MINI-APP

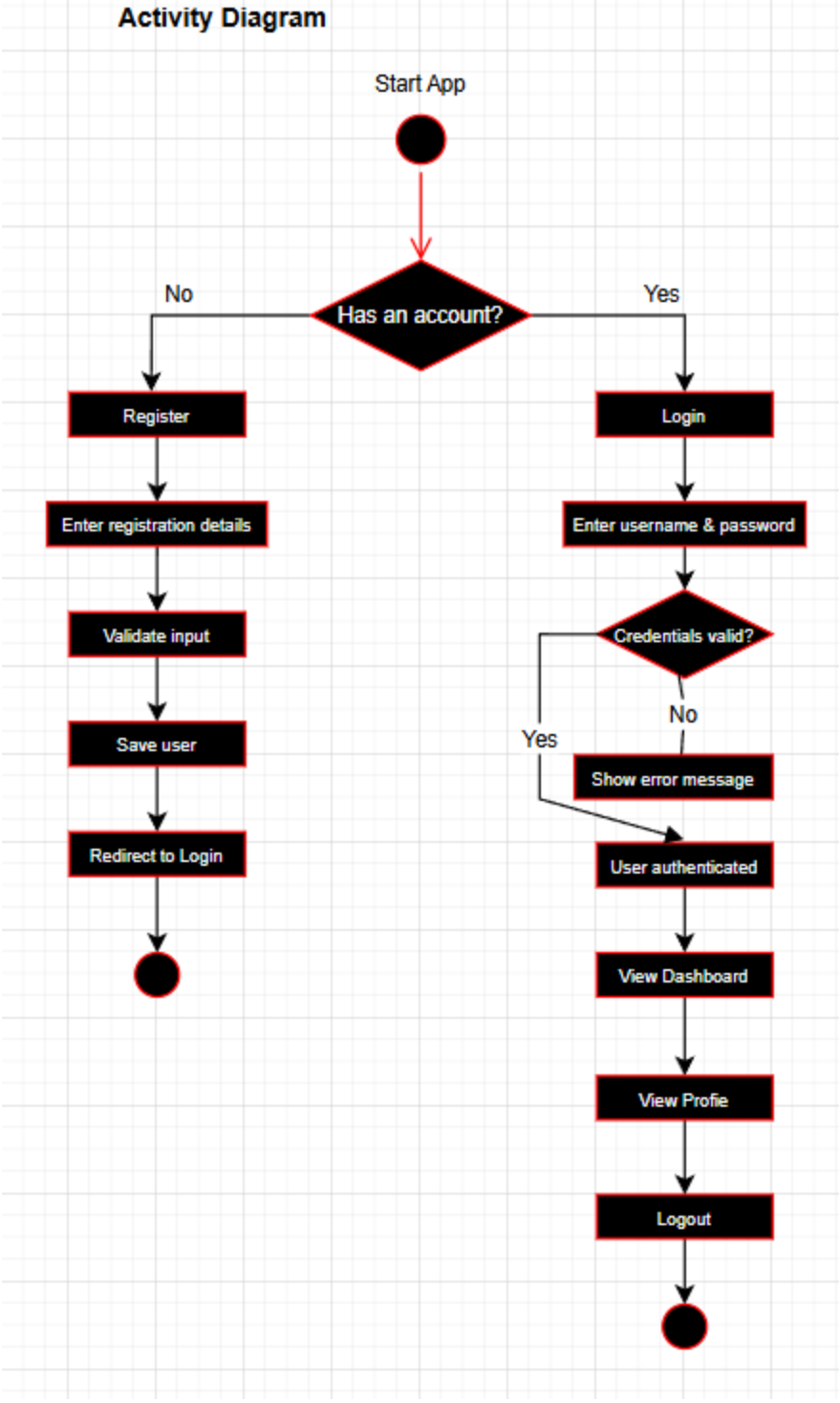
Diagrams

1. 

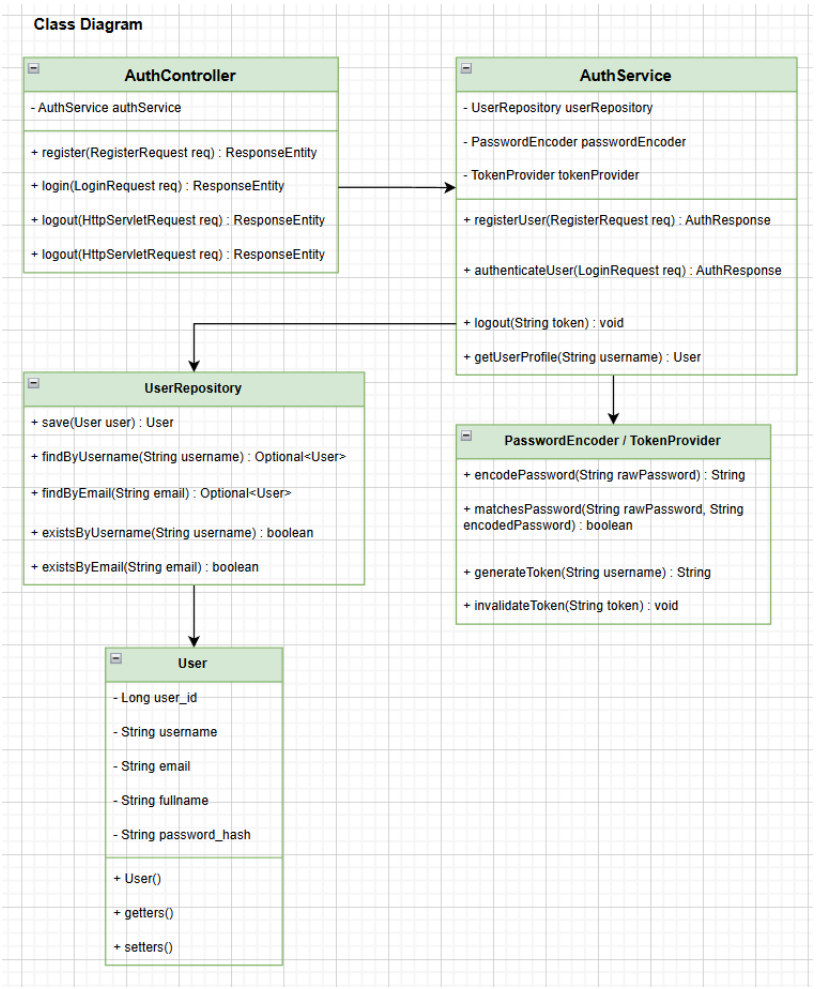
2.

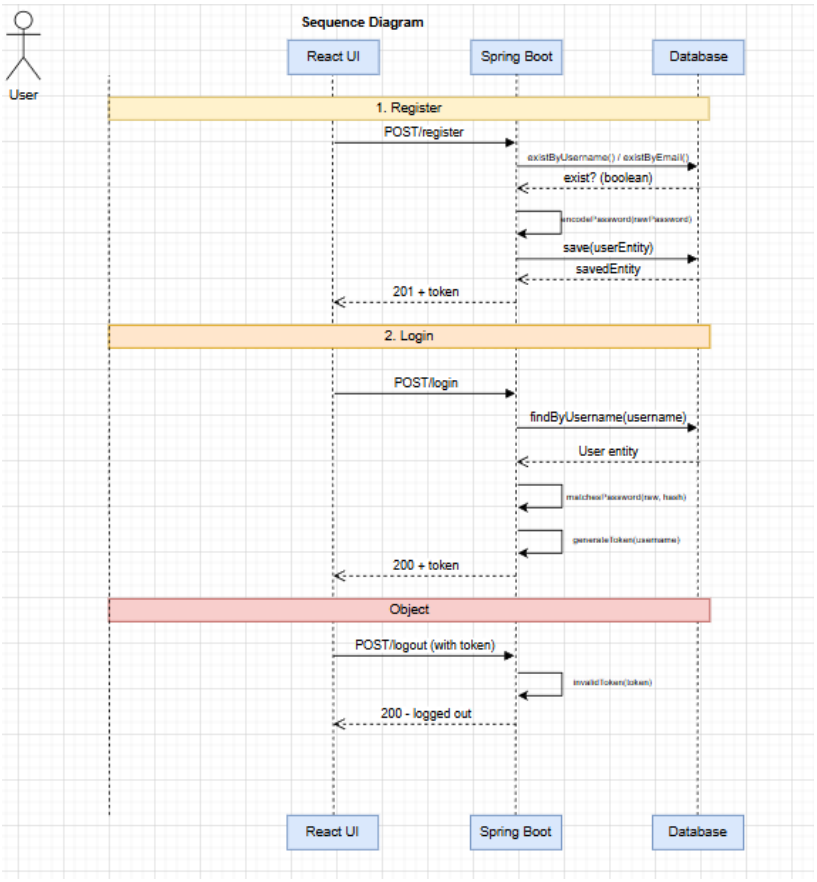

Use Diagram
Register
Login
View Dashboard
View Profile
Logout
Guest User
Authenticated User

3.

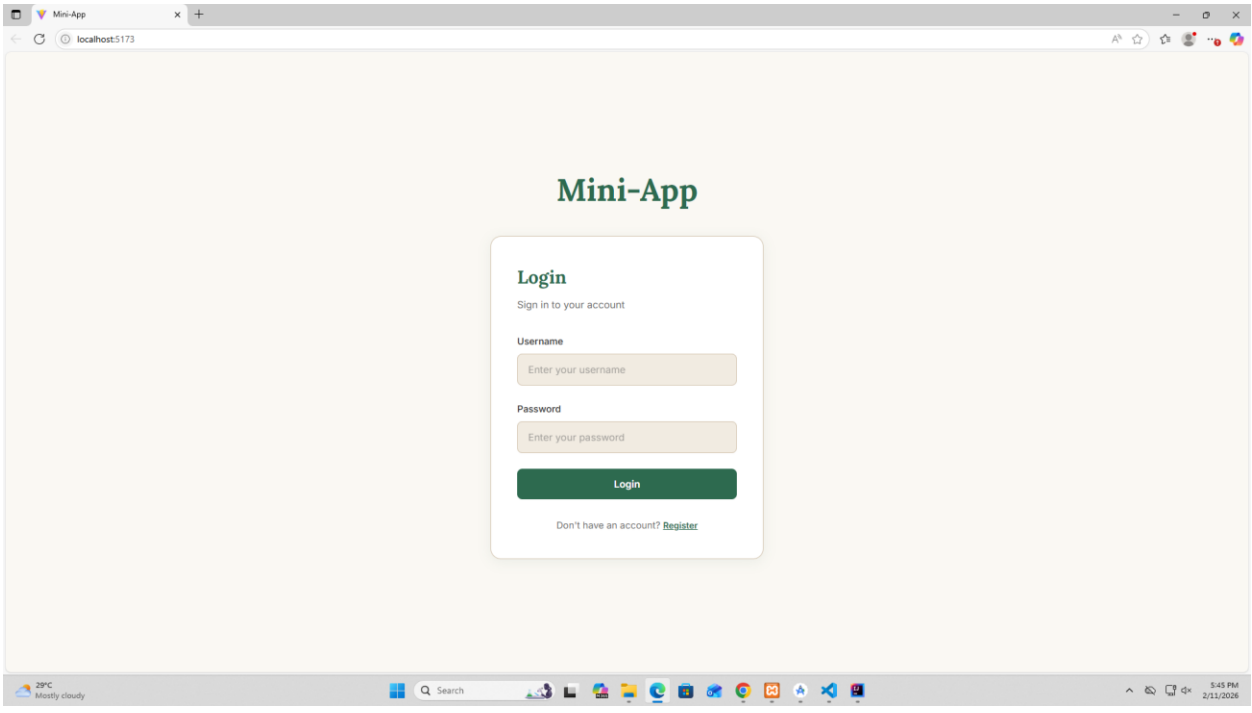

Activity Diagram
Start App
Has an account?
No
Yes
Register
Enter registration details
Validate input
Save user
Redirect to Login
Login
Enter username & password
Credentials valid?
No
Yes
Show error message
User authenticated
View Dashboard
View Profie
Logout

4.

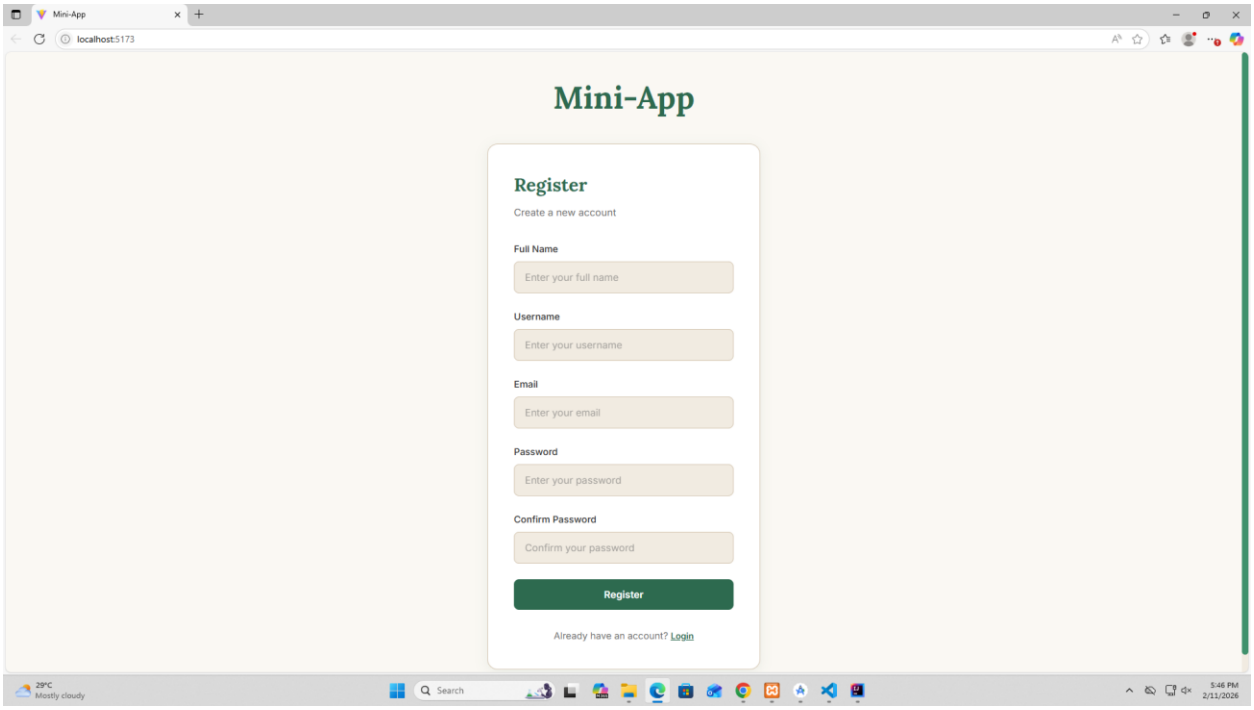

Class Diagram
AuthController
- AuthService authService
+ register(RegisterRequest req) : ResponseEntity
+ login(LoginRequest req) : ResponseEntity
+ logout(HttpServletRequest req) : ResponseEntity
+ logout(HttpServletRequest req) : ResponseEntity
AuthService
- UserRepository userRepository
- PasswordEncoder passwordEncoder
- TokenProvider tokenProvider
+ registerUser(RegisterRequest req) : AuthResponse
+ authenticateUser(LoginRequest req) : AuthResponse
+ logout(String token) : void
+ getUserProfile(String username) : User
UserRepository
+ save(User user) : User
+ findByUsername(String username) : Optional<User>
+ findByEmail(String email) : Optional<User>
+ existsByUsername(String username) : boolean
+ existsByEmail(String email) : boolean
PasswordEncoder / TokenProvider
+ encodePassword(String rawPassword) : String
+ matchesPassword(String rawPassword, String encodedPassword) : boolean
+ generateToken(String username) : String
+ invalidateToken(String token) : void
User
- Long user_id
- String username
- String email
- String fullname
- String password_hash
+ User()
+ getters()
+ setters()

5. 

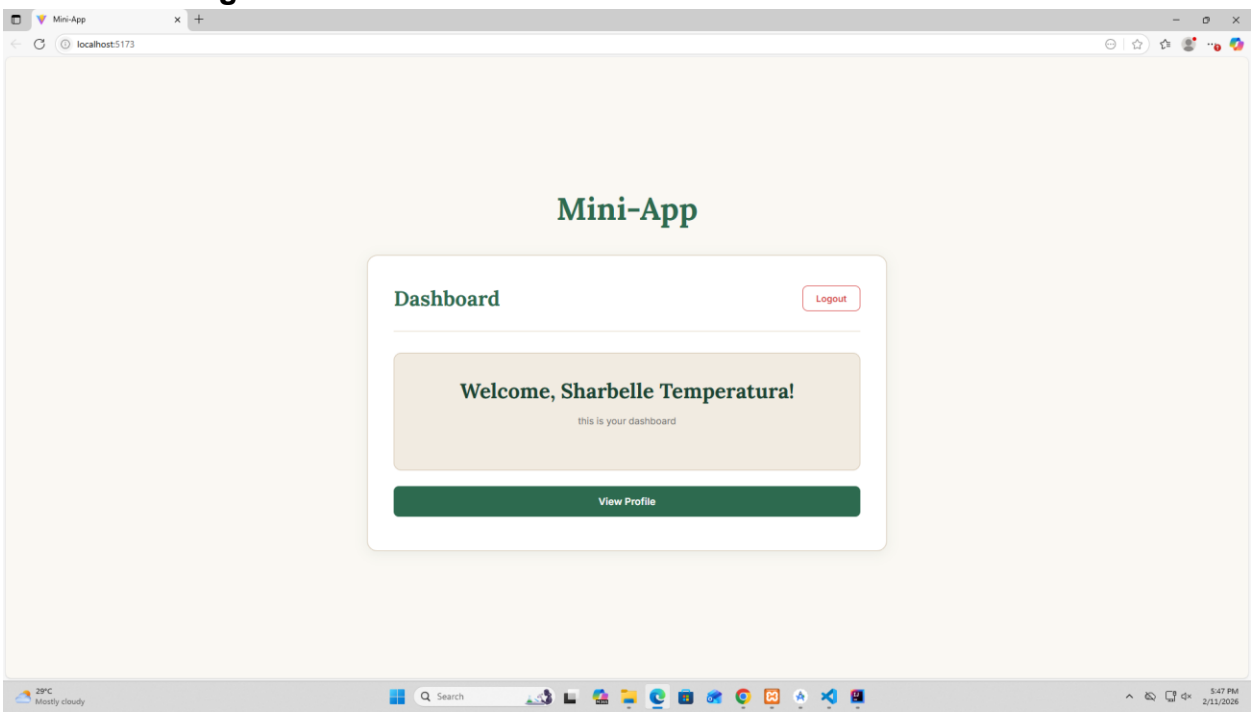
2. Log in Page



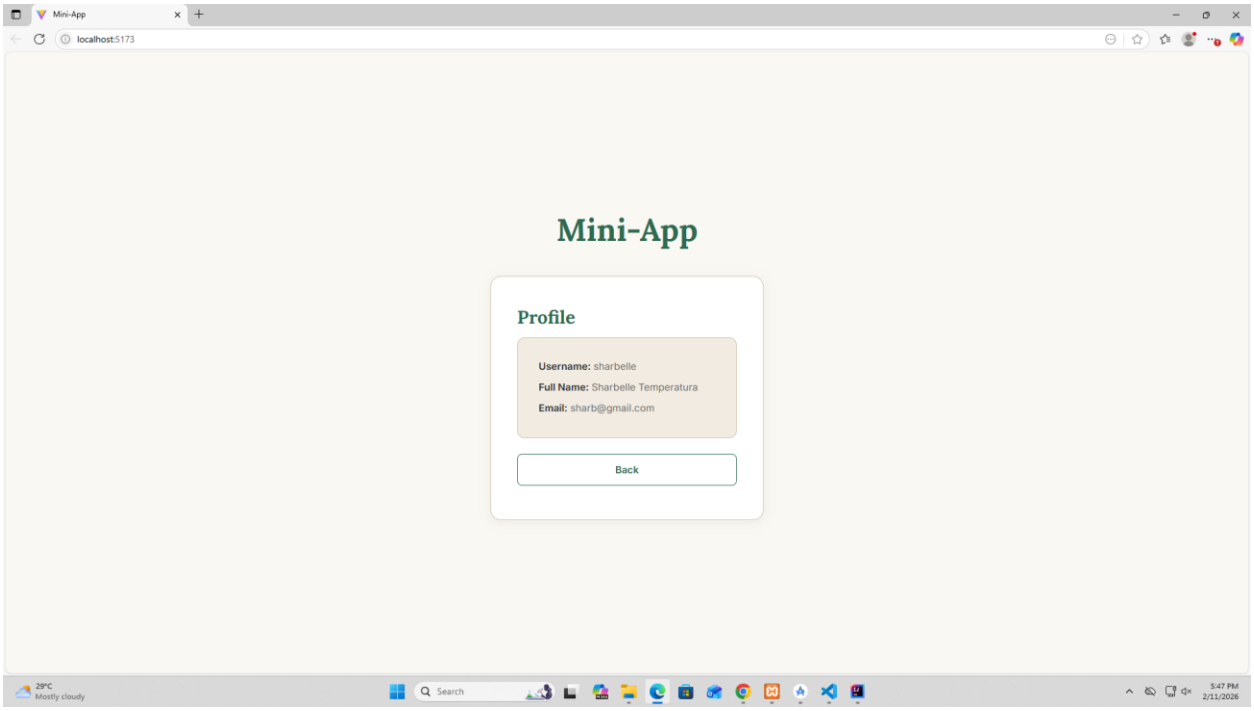
3. **Register Page**



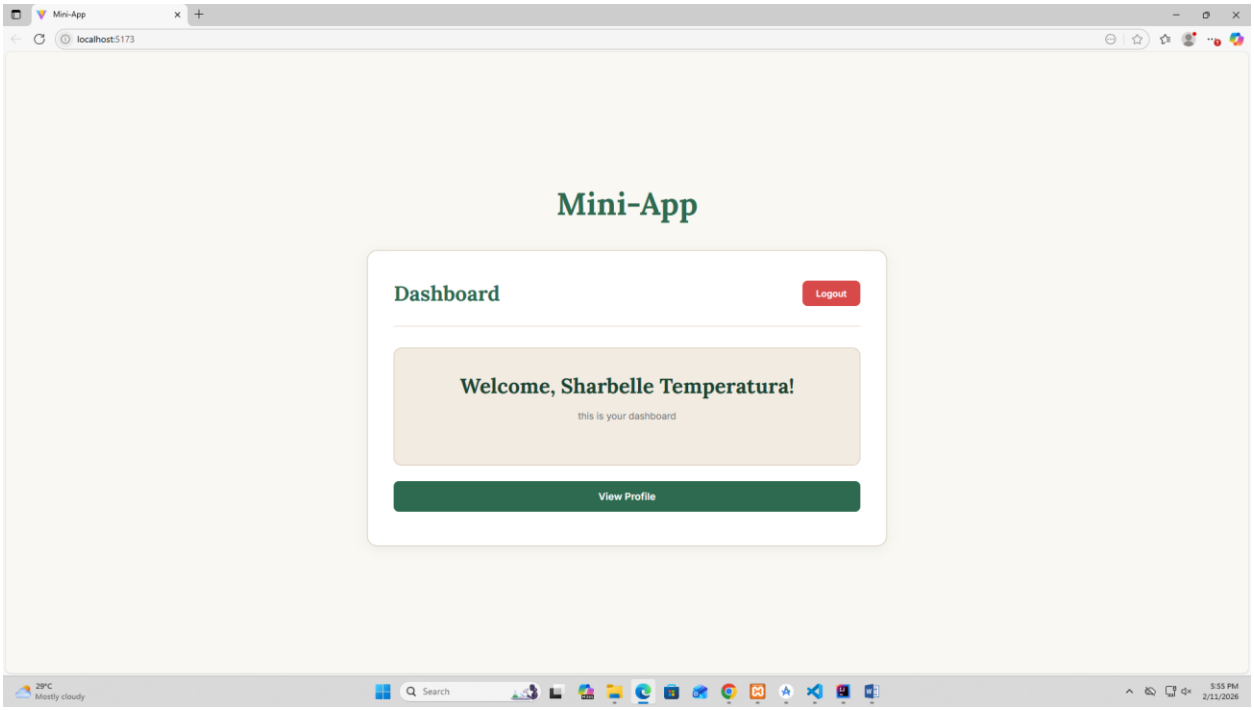
4. **Dashboard Page**

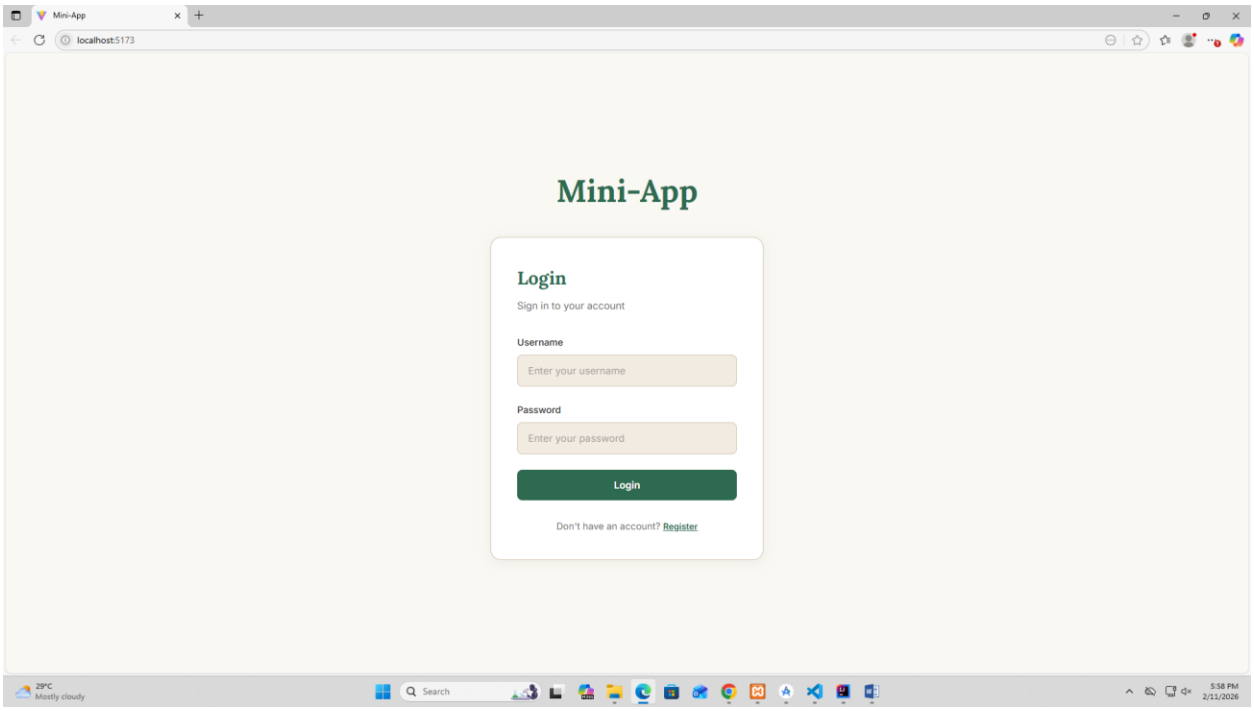


5. **View Profile Page**



6. **Logout Page**




Mini-App
localhost:5173
Mini-App
Login
Sign in to your account
Username
Enter your username
Password
Enter your password
Login
Don't have an account? Register
29°C
Mostly cloudy
Search
5:58 PM
2/11/2026