2. Login Process

Sequence diagram — 2. Login Process. Participants: Registered User, Login Interface, Authentication Controller, User Database, User Dashboard.

- Registered User → Login Interface: Enter Email/Phone and Password
- Registered User → Login Interface: Click on Login Button
- Login Interface → Authentication Controller: Submit Credentials
- Authentication Controller → User Database: check email/phone exists

Alt [Email/Phone not found]
- User Database --> Authentication Controller: User not found
- Authentication Controller --> Login Interface: Return error message
- Login Interface --> Registered User: Display "User not found" error

[Email/Phone found]
- User Database --> Authentication Controller: User found
- Authentication Controller → User Database: Verify Password

Alt [Incorrect Password]
- User Database --> Authentication Controller: Password mismatch
- Authentication Controller --> Login Interface: Return error message
- Login Interface --> Registered User: Display Incorrect Password Error

[Correct Password]
- User Database --> Authentication Controller: Authentication successful
- Authentication Controller --> Login Interface: Authentication confirmed
- Login Interface → User Dashboard: Redirect to user dashboard
- User Dashboard --> Registered User: Display Dashboard