



BLOGGING PLATFORM

CONNECTCO



SOFTWARE ENGINEERING (IT - 314)

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LAB ASSIGNMENT :

Develop the Class diagram for Sprint 1/2 (first derive the sequence diagram by identifying entity/boundary/control objects).

❖ Identify Entity/Boundary/Control Objects

Sprint 1 :

Entity Objects (E): Represent data or information in the system.

- **User:** Represents the registered users with attributes such as name, email, password, and profile picture.
- **Profile:** Represents user-specific information such as bio and profile picture.

Boundary Objects (B): Interact with external actors (e.g., users) to provide or collect data.

- **LoginForm:** Interface for logging in.
- **RegistrationForm:** Interface for new user registration with email verification.
- **ProfileEditForm:** Interface for editing user profiles.

Control Objects (C): Manage the workflow between boundary and entity objects, handling the logic of the interactions.

- **UserAuthenticationController:** Manages user login and authentication.
- **UserRegistrationController:** Handles new user registrations and validations.
- **ProfileManagementController:** Handles profile updates and changes.

Sprint 2 :

Entity Objects (E): Represent data or information in the system.

- **BlogPost:** Represents a blog post with content, media, and metadata.
- **User:** Represents the registered users with attributes such as name, email, password, and profile picture.

Boundary Objects (B): Interact with external actors (e.g., users) to provide or collect data.

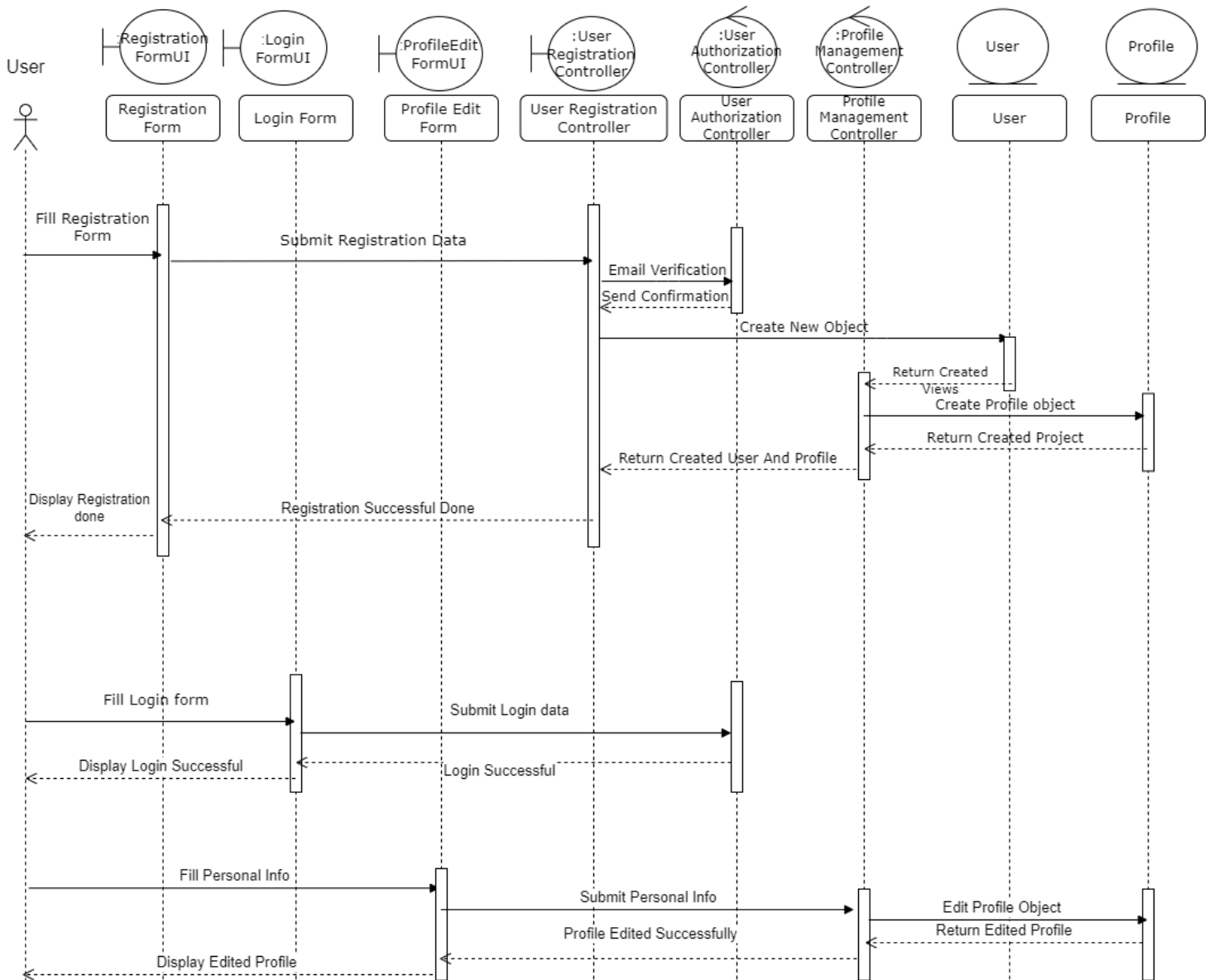
- **BlogPostForm:** Interface for creating and editing blog posts.
- **BlogPostDisplayPage:** Interface for displaying blog posts.
- **PasswordResetForm:** Interface for resetting a password.
- **ChangePasswordForm:** Interface for changing a password from account settings.

Control Objects (C): Manage the workflow between boundary and entity objects, handling the logic of the interactions.

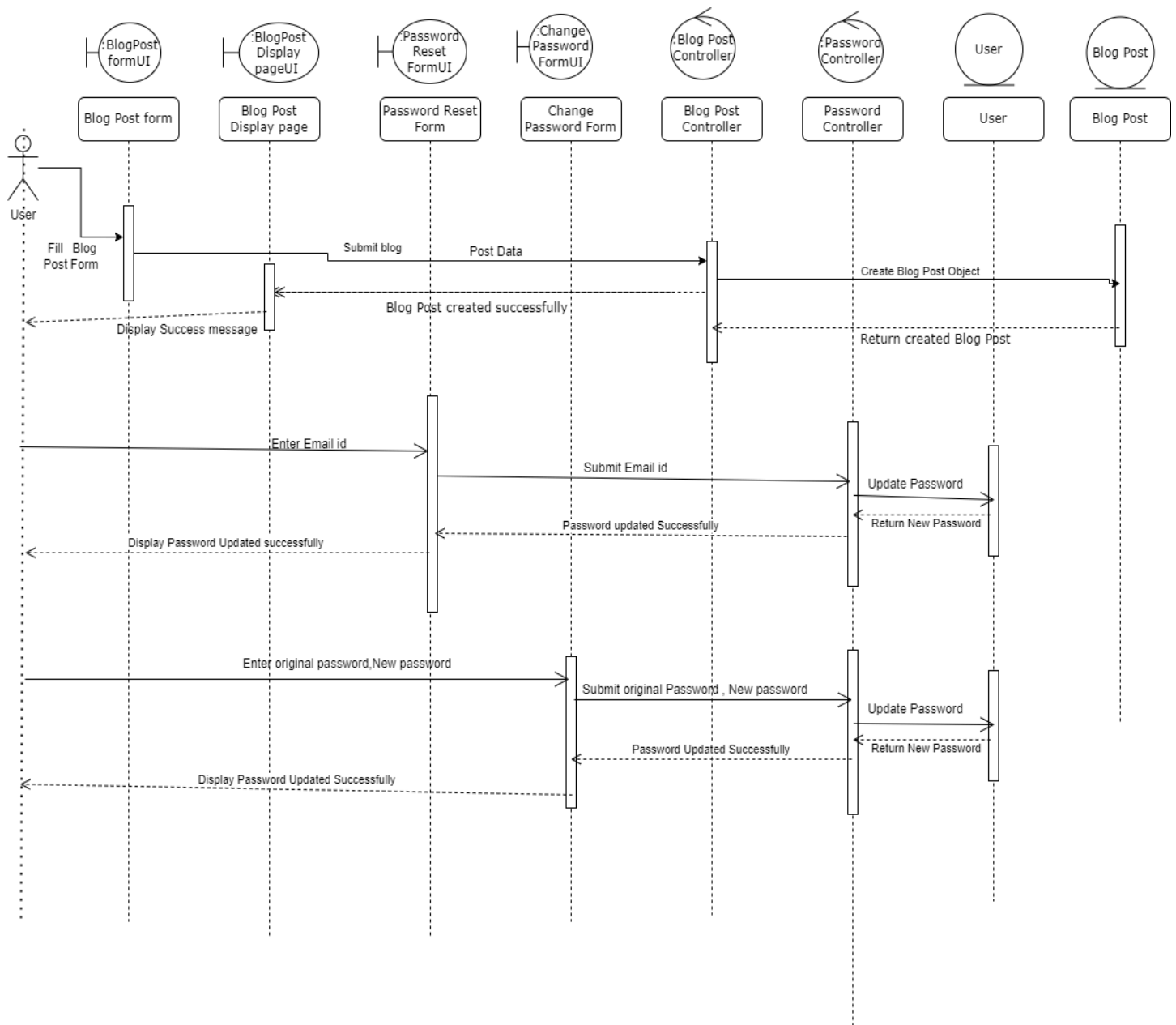
- **BlogPostController:** Manages creating, editing, and displaying blog posts.
- **PasswordController:** Manages the password reset and change operations.

- Develop Sequence Diagram

Sequence Diagram for SPRINT 1:



Sequence Diagram for SPRINT 2:



- Develop Analysis Domain Model (i.e., Class Diagram)

