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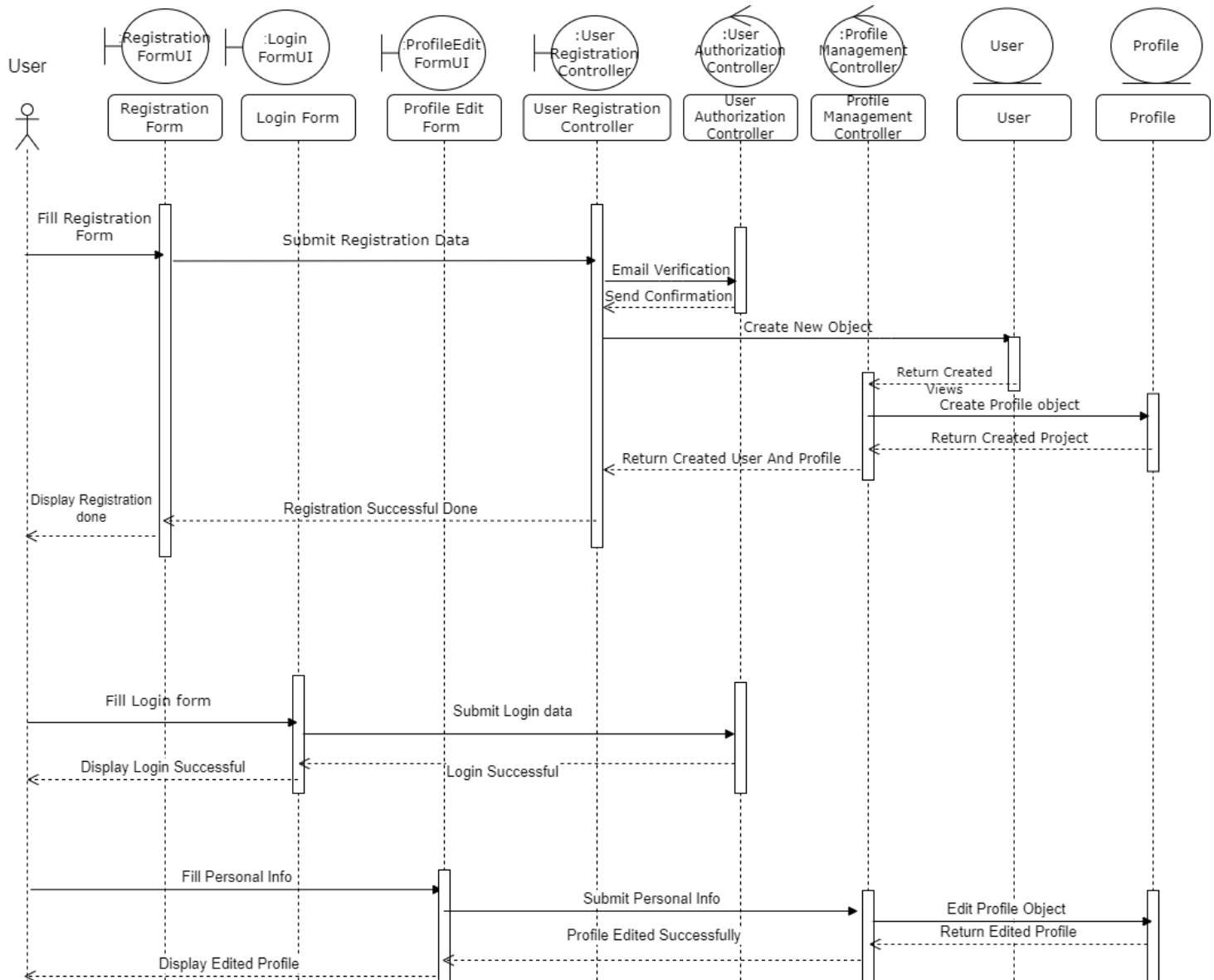
- **BlogPostForm**: Interface for creating and editing blog posts.
- **BlogPostDisplayPage:** Interface for displaying blog posts.
- **PasswordResetForm**: Interface for resetting a password.
- **ChangePasswordForm**: Interface for changing a password from account settings.

Control Objects (C): Manage the workflow between boundary and entity objects, handling the logic of the interactions.
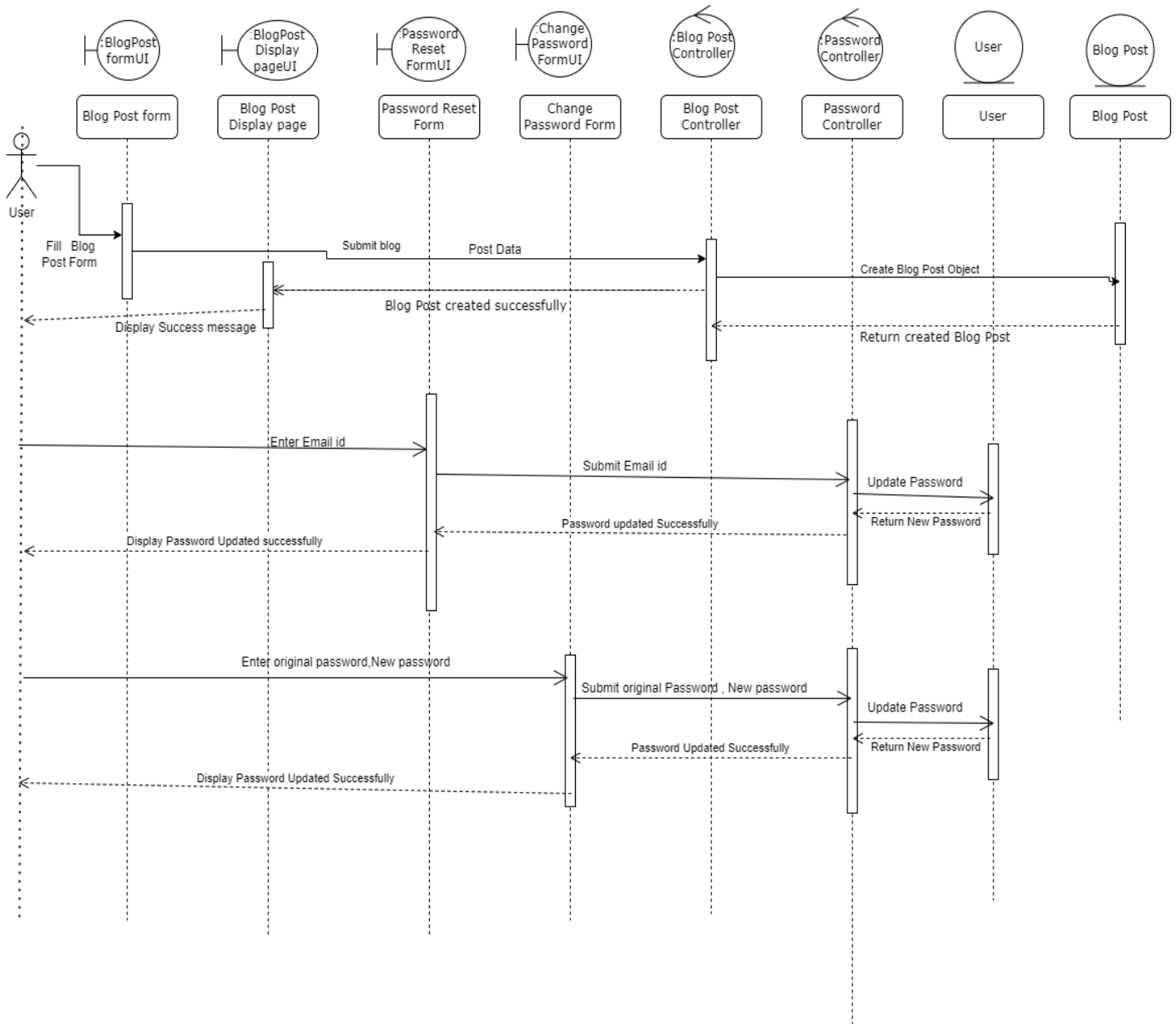
- **BlogPostController**: Manages creating, editing, and displaying blog posts.
- **PasswordController**: Manages the password reset and change operations.

- Develop Sequence Diagram

Sequence DIagram for SPRINT 1:

Sequence Diagram for SPRINT 2:

:BlogPost formUI	:BlogPost Display pageUI	:Password Reset FormUI	:Change Password FormUI	:Blog Post Controller	:Password Controller	User	Blog Post
Blog Post form	Blog Post Display page	Password Reset Form	Change Password Form	Blog Post Controller	Password Controller	User	Blog Post

User

Fill Blog Post Form

Submit blog → Post Data → Create Blog Post Object

Blog Post created successfully

Display Success message

Return created Blog Post

Enter Email id

Submit Email id

Update Password

Password updated Successfully

Return New Password

Display Password Updated successfully

Enter original password,New password

Submit original Password , New password

Update Password

Password Updated Successfully

Return New Password

Display Password Updated Successfully

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