

The UML class diagrams for the 'Model' package are organized into three main sections:

- Top Left Section:** Contains the **User** class and the **Post** class. **User** has attributes like `id`, `username`, `password`, `email`, and `bio`. **Post** has attributes like `id`, `title`, `content`, `author`, and `created_at`. There is a one-to-many relationship between **User** and **Post**.
- Top Right Section:** Contains the **Comment** class and the **PostComment** interface. **Comment** has attributes like `id`, `text`, `author`, and `post_id`. **PostComment** is an interface that **Comment** implements.
- Bottom Section:** Contains the **Like** class and the **LikePost** interface. **Like** has attributes like `id`, `user_id`, `post_id`, and `created_at`. **LikePost** is an interface that **Like** implements. There is also a **LikePost** class that implements the **LikePost** interface.

The diagrams show a complex set of relationships, including inheritance and associations, defining the data model for the application.

