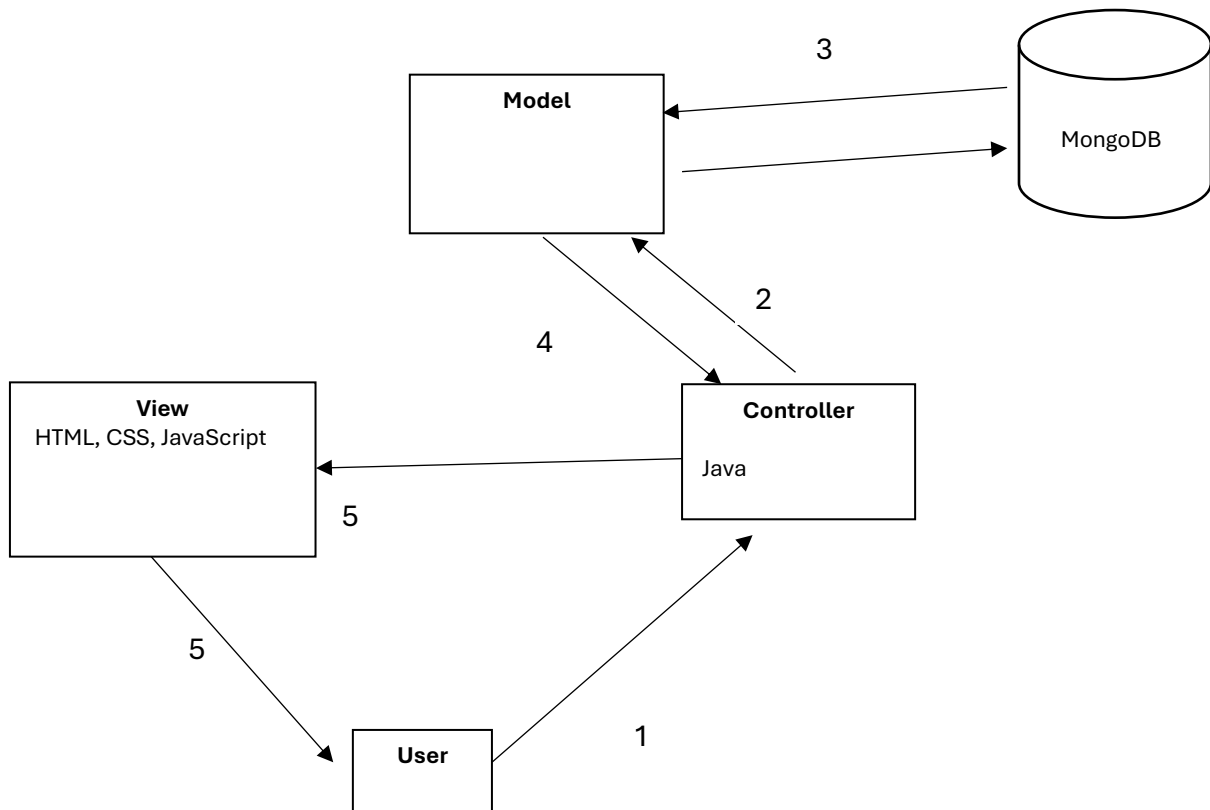**EECS3311 Group #8: SAttend**

System Design

Jada Chang

Mingdi Yi

Li Sha Su

Software Architecture Diagram

1. The user sends request to controller
2. Controller processes request and call the model
3. Model queries the database and returns data to controller
4. The controller receives response from model and does the next step
5. The controller sends response to view and updates it

- **Model** – It manages the application's data and interact with the database or external services It also notifies the View of any data changes.
    - Homepage, login and signup page, marking attendance page
- **View** (User Interface) - It displays data from the Model to the user and updates dynamically based on Model changes.
    - authentication, login and sign up
- **Controller** (Request Handling) - Acts as an intermediary between Model and View. It processes user input and updates the Model accordingly and decides which View to display based on application state.
    - Stores data about login, and student attendance