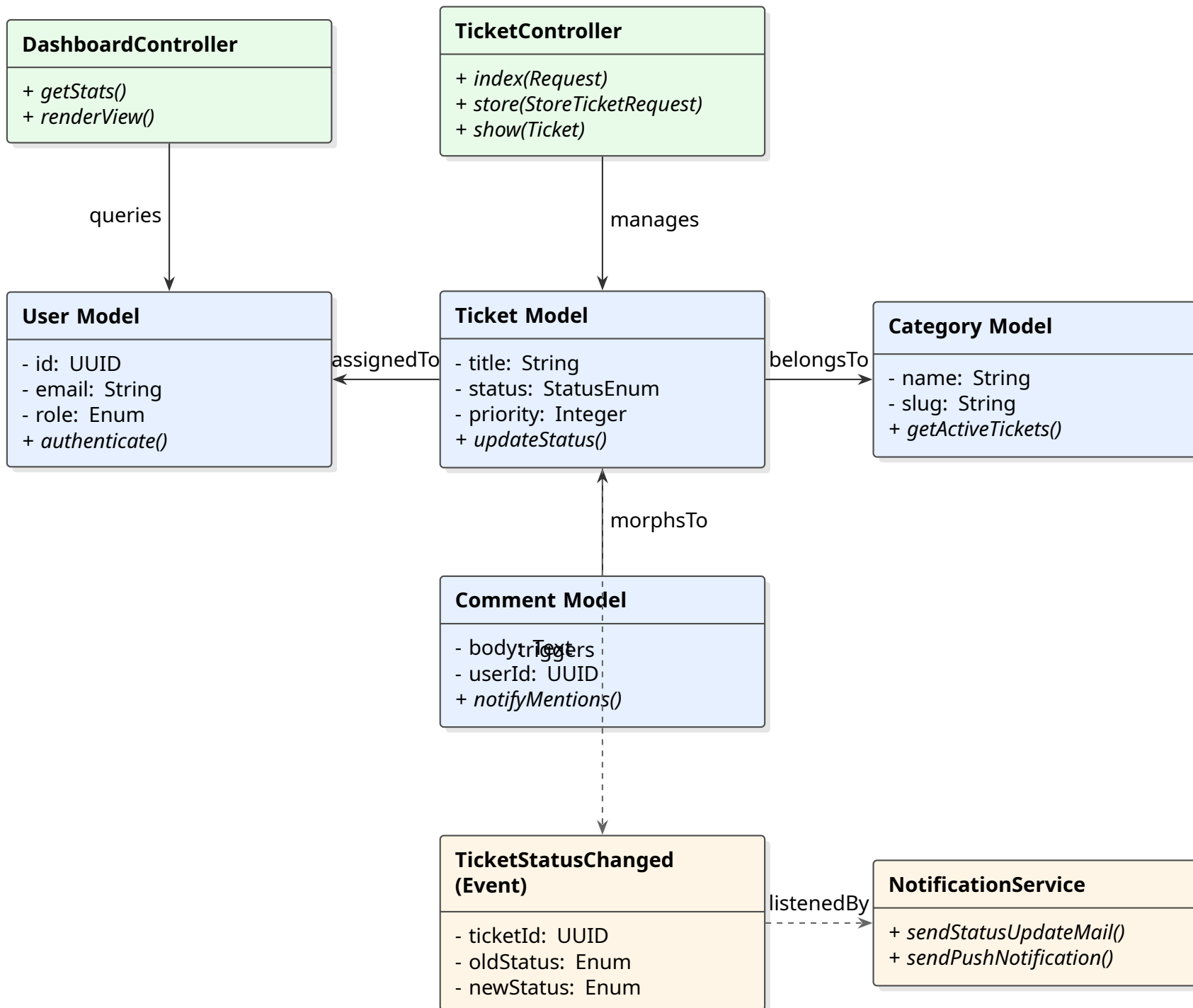


# System Architecture: MVC Design Pattern Implementation

*Class Relationship and Data Flow Diagram*



**Legend:**

- Models (Database Entities)
- Controllers (Business Logic)
- Communication (Events/Mail)

**Architectural Notes:**

- Controllers act as the entry point for HTTP requests.
- Models represent the data layer and maintain integrity.
- Asynchronous events decouple notifications from logic.