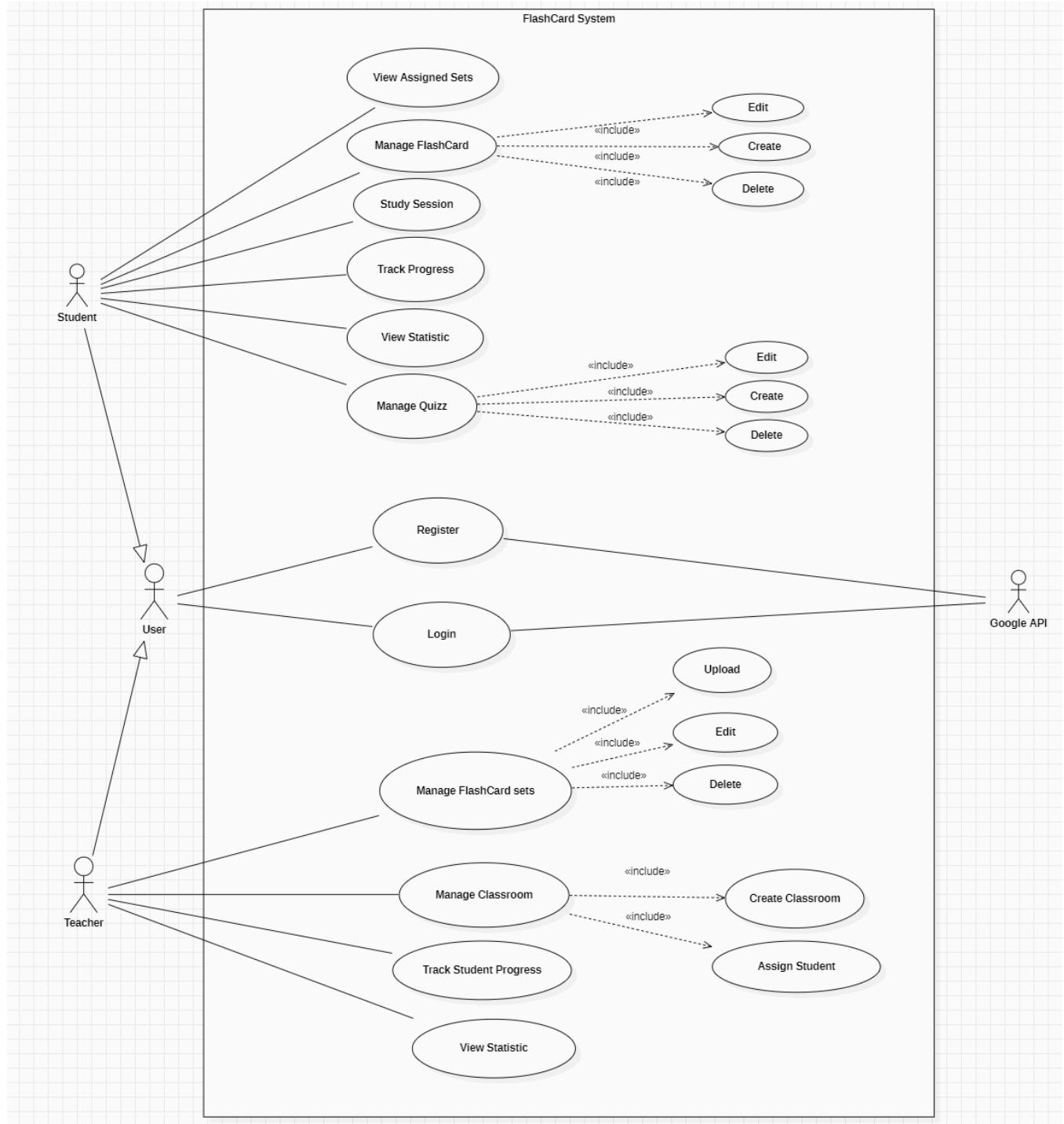


FlashCard System – Use Case Diagram



Use Case Diagram Description

Actors and Their Roles

- **User:** Represents any person using the system. A user can **Register** and **Login** to access the platform. Authentication is integrated with an external service (**Google API**) to support secure sign-up/sign-in.
- **Student:** A type of user who focuses on learning activities. Students can:
 - **View Assigned Sets** to access flashcard sets provided by a teacher/classroom.
 - Perform a **Study Session** to practice flashcards.
 - **Manage FlashCards**, which includes **Create, Edit, and Delete** flashcards.
 - **Manage Quiz**, which includes **Create, Edit, and Delete** quiz content.
 - **Track Progress** and **View Statistics** to monitor learning performance.
- **Teacher:** A type of user responsible for managing learning materials and classrooms. Teachers can:
 - **Manage FlashCard Sets**, which includes **Upload, Edit, and Delete** flashcard sets.
 - **Manage Classroom**, which includes **Create Classroom** and **Assign Student**.
 - **Track Student Progress** to monitor student performance within a classroom.
 - **View Statistics** for learning insights and student progress summaries.
- **Google API:** An external actor that supports the system's **Register** and **Login** processes.