Design DB model of Zen Class

Key Entities and Attributes

1. Class

- ClassID (Primary Key) Int
- ClassName String
- ClassDescription String
- StartDate Date
- EndDate Date

2. Task

- TaskID (Primary Key) Int
- TaskName String
- TaskDescription String
- DueDate Date
- ClassID (Foreign Key) Int

3. Dashboard

- DashboardID (Primary Key) Int
- DashboardName String
- DashboardDescription String
- ClassID (Foreign Key) Int

4. Queries

• QueryID (Primary Key) - Int

- QueryText String
- ResponseText String
- SubmittedDate Date
- ClassID (Foreign Key) Int

5. Leaderboard

- LeaderboardID (Primary Key) Int
- StudentName String
- Score Int
- ClassID (Foreign Key) Int

Relationships

- Each **Class** can have multiple **Tasks** (One-to-Many).
- Each Class can have multiple Dashboards (One-to-Many).
- Each Class can have multiple Queries (One-to-Many).
- Each Class can have one Leaderboard (One-to-One).

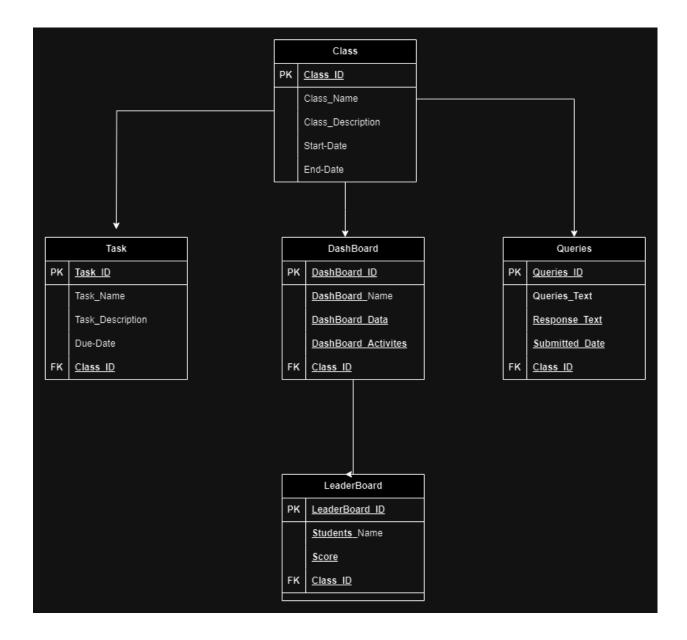
Entity-Relationship Diagram (ERD) Description

- Class (ClassID, ClassName, ClassDescription, StartDate, EndDate)
 - One-to-Many with **Task**
 - One-to-Many with Dashboard
 - One-to-Many with **Queries**
 - One-to-One with Leaderboard
- Task (TaskID, TaskName, TaskDescription, DueDate, ClassID)
 - Many-to-One with **Class**
- Dashboard (DashboardID, DashboardName, DashboardDescription, ClassID)

Design DB model of Zen Class 2

- Many-to-One with **Class**
- Queries (QueryID, QueryText, ResponseText, SubmittedDate, ClassID)
 - Many-to-One with **Class**
- Leaderboard (LeaderboardID, StudentName, Score, ClassID)
 - One-to-One with **Class**

ERD



Design DB model of Zen Class 3