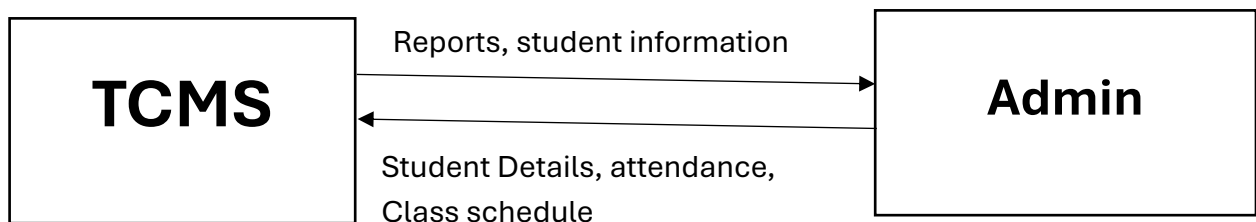**Phase 3: System Design**

1. Context Diagram (Description)

The Tuition Class Management System interacts with one external entity:

- **Admin**

Data Flow:

- Admin provides student details, attendance, fees, and schedules

- System provides reports and stored information to the admin

2. Level-0 Data Flow Diagram (DFD)
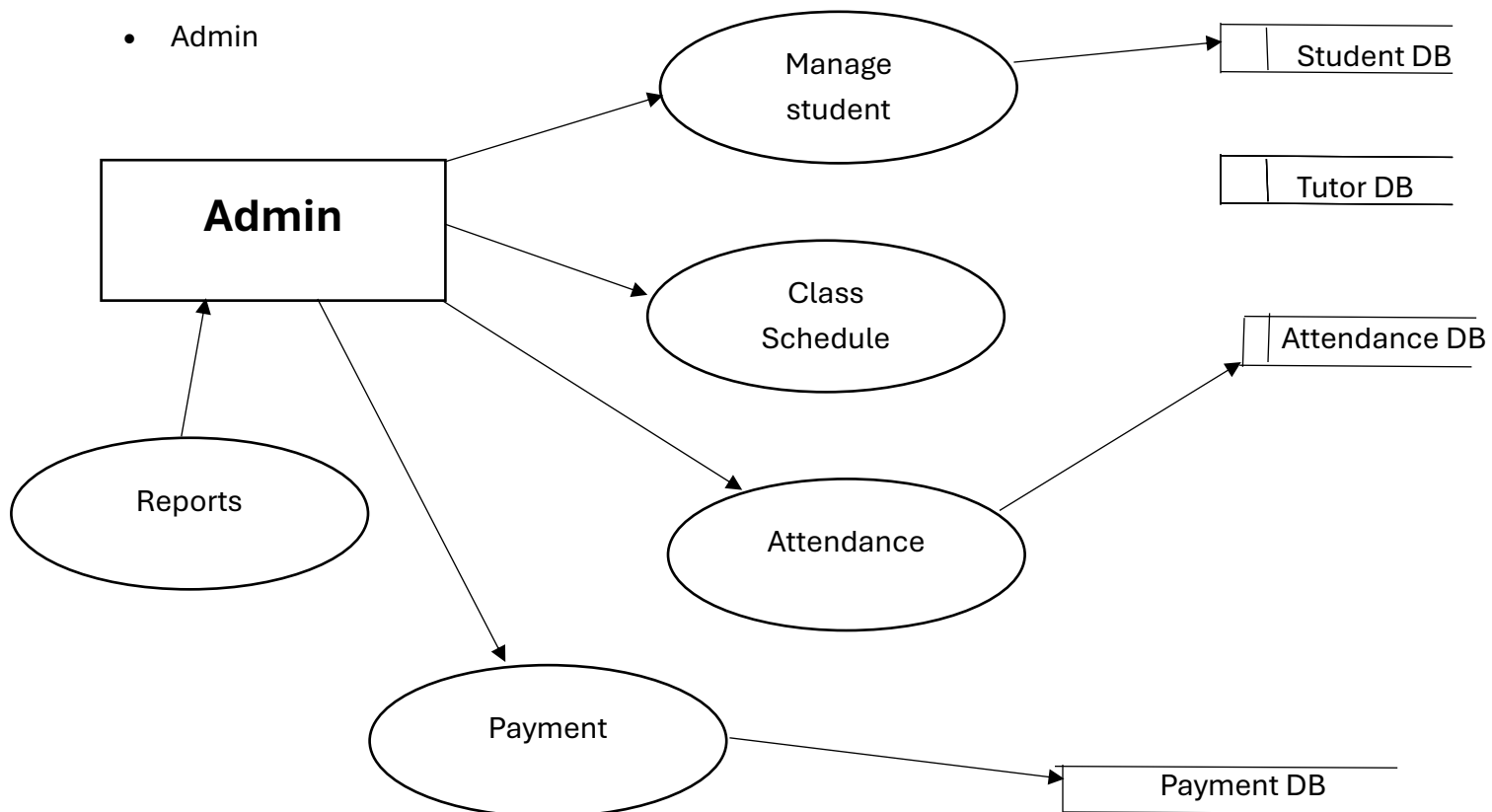
Processes:

1. Manage Student Information

2. Manage Class Schedule

3. Record Attendance

4. Manage Fee Payments

5. Generate Reports

Data Stores:

- Student Database

- Tutor Database

- Subject Database

- Attendance Database

- Fee Database

External Entity:

- Admin

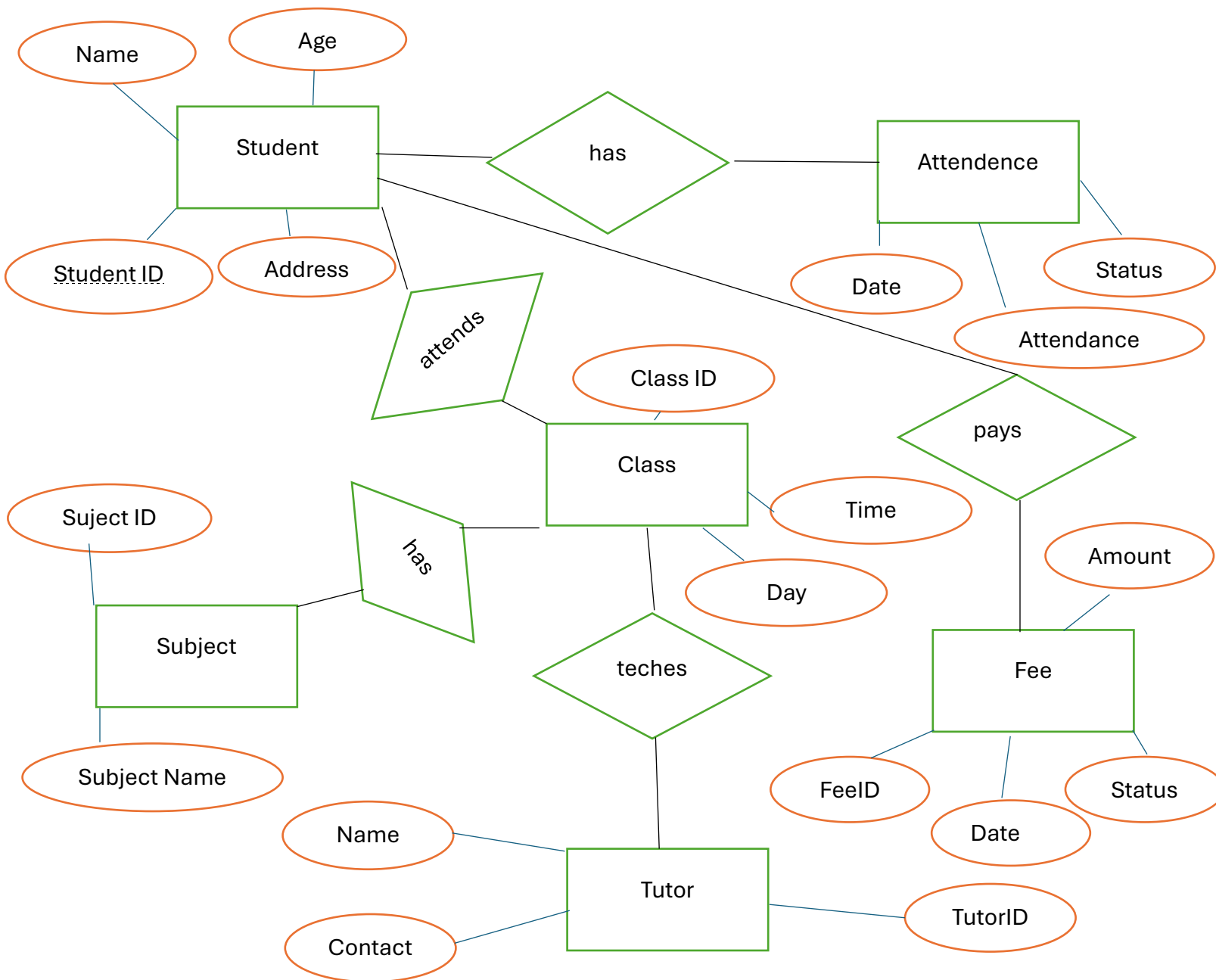**3. ER Diagram (Entities and Relationships)**

Entities:

- Student (StudentID, Name, Age, Contact, Address)

- Tutor (TutorID, Name, Contact)

- Subject (SubjectID, SubjectName)

- Class (ClassID, Time, Day)

- Attendance (AttendanceID, Date, Status)

- Fee (FeeID, Amount, Date, Status)

Relationships:

- A student attends many classes

- A tutor teaches many classes

- A class has one subject

- A student has many attendance records

- A student makes many fee payments

4. UI Wireframes (Description)

- Login Page

- Dashboard

- Student Management Page

- Class Schedule Page

- Attendance Entry Page

- Fee Management Page

- Reports Page

GitHub Tag: v2.0-design-approved