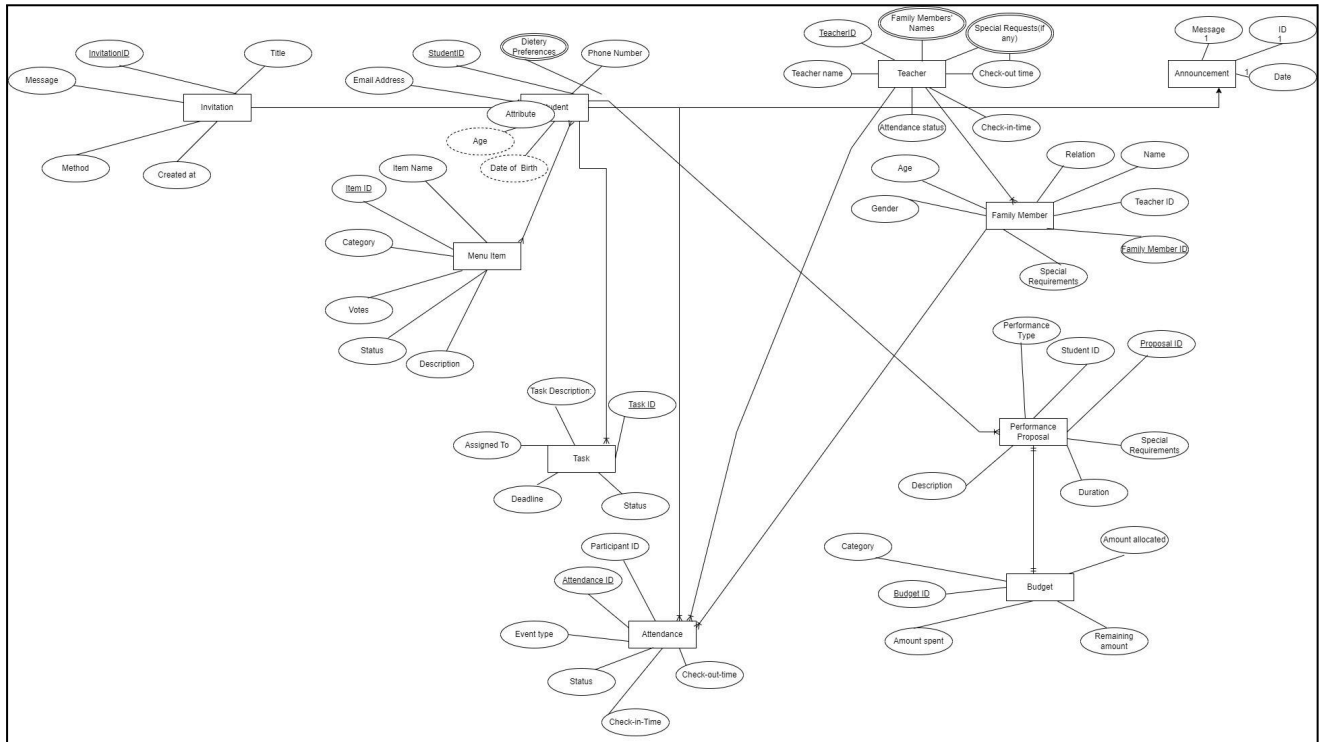Course Name

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PROJECT

Submitted BY:

M Talal Qureshi
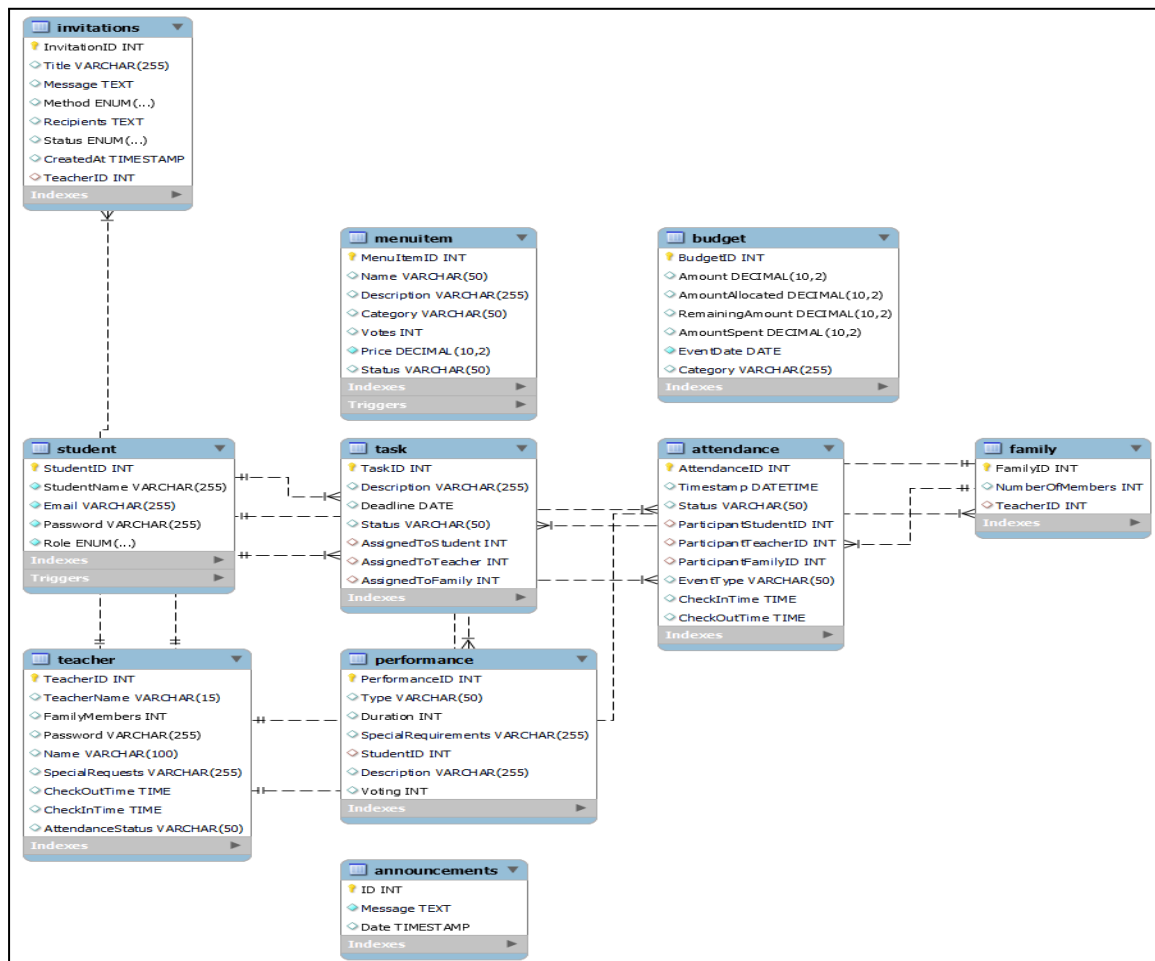
Haroon Salim

Huzaifa Ali

ERD Diagram:

Relational Schema:

- **Student**(StudentID PK, StudentName, Email, Password, Role)
  - Constraints:
    - Roles must be one of ('None', 'Dinner', 'Performance', 'Invitation', 'Budget', 'Decor').
    - Trigger to limit unique roles to one manager per role.

- **Teacher**(TeacherID PK, TeacherName, FamilyMembers, Password, Name, SpecialRequests, CheckOutTime, CheckInTime, AttendanceStatus)

- **Family**(FamilyID PK, NumberOfMembers, TeacherID FK references Teacher(TeacherID))

- **Performance**(PerformanceID PK, Type, Duration, SpecialRequirements, StudentID FK references Student(StudentID), Description, Voting)

- **MenuItem**(MenuItemID PK, Name, Description, Category, Votes, Price, Status)

  - Triggers:After insert, update, delete to adjust AmountSpent in Budget.
  - Budget(BudgetID PK, Amount, AmountAllocated, RemainingAmount, AmountSpent, EventDate, Category)

- **Attendance**(AttendanceID PK, Timestamp, Status, ParticipantStudentID FK references Student(StudentID), ParticipantTeacherID FK references Teacher(TeacherID), ParticipantFamilyID FK references Family(FamilyID), EventType, CheckInTime, CheckOutTime)

- **Task**(TaskID PK, Description, Deadline, Status, AssignedToStudent FK references Student(StudentID), AssignedToTeacher FK references Teacher(TeacherID), AssignedToFamily FK references Family(FamilyID))

- **Announcements**(ID PK, Message, Date)

- **Invitations**(InvitationID PK, Title, Message, Method, Recipients, Status DEFAULT 'Sent', CreatedAt, TeacherID FK references Teacher(TeacherID))
  - Constraints:
    - Method must be one of ('email', 'print', 'other').
    - Status must be one of ('pending', 'sent')

Schema Diagram:

Pages:

1. Login/Register Pages:

These pages serve as the entry point to the system, allowing both students and managers to access their respective dashboards. The login page supports authentication, while the registration page enables new users to create accounts based on their roles within the institution.

2. Student Login

This page is tailored specifically for students, providing them the capability to submit proposals related to menus, performances, and view announcements. It serves as a platform for students to actively participate in the planning and execution of school events and activities.

3. Menu Dashboard

The Menu Dashboard allows users to view, modify, and delete menu items within a specified budget range. This feature is crucial for managing the food and beverage aspect of school events, ensuring that all offerings stay within financial constraints

4. Budget Dashboard

This dashboard is designed to display and modify the budgets assigned to various roles and activities, such as venue and decor. It provides managers with a clear overview of financial allocations and the ability to adjust budgets as necessary to meet the needs of different events and functions.

5. Invitation Dashboard

The Invitation Dashboard offers tools to design and send invitations. This page is particularly useful for organizing school events where teachers and other staff are guests. Users can create custom invitations and distribute them electronically, streamlining the process of event management

6. Performance Dashboard

This dashboard focuses on managing performances by allowing users to view listed performances, accept or reject performance proposals, and modify details about each performance. It is an essential tool for coordinators of school events, such as talent shows or academic presentations, ensuring that all performances are organized and meet the school's standards.