**Classes**

1. Accounts (Username(PK), Email (PK), Password, Type (Read Only), Admin, Author, Student/ Login, Sign Up, Email Verification, Username Verification, Display)
2. Student (ID(PK), Username(FK) Name, Phone no, Address Postal Code, Card Number, Card Expiry, CSV, Status/)
3. University (ID(PK), Name, Type, Description, Department List /)
4. Department (Name, Degree List/)
5. Degree (Name, Merit, Duration, Merit Calculation Formula/)
6. Admin (ID(PK), Username(FK) Name, Email, Type, University U, Author A/ Display Admin Menu, Add U, Delete U, Update U, Read U, Add Admin, Update Admin, Delete Admin, Add A, Update A, Delete A)
7. Author (ID(PK), Username(FK) Name, Email, Blog B, Playlist P/Display Author Menu, Add B, Delete B, Update B, Read B, Add P, Delete P, Update P, Read P)
8. Blog (ID(PK), Title, Category, Publish Date, Description/)
9. Playlist (ID(PK), Title, Category, Publish date, Small Description, Videos /)
10. Payment Management (Student S/ Status Update, Tax Calculation, Total amount, Payment Verification)
11. Aggregate Calculation (Academic Records, University List/ List Generation, Calculate Aggregate, Sort List)
12. Academic Records (Inter Marks, Metric Marks, Field, Entrance Test List/)
13. Entrance Test (Name, Total Marks (Read Only), Marks /)

**Relations:**

1. Account -> Student, Admin, Author (1 to1)
2. University -> Department (1 to 1…\*)
3. Department -> Degree (1 to 1…\*)
4. Admin -> University, Author (1 to 1)
5. Author -> Blog, Playlist (1 to 1)
6. Payment Management -> Student (1 to 1)
7. Aggregate Calculation- > University (1 to 1…\*)
8. Aggregate Calculation- > Academic Records (1 to 1)
9. Academic Records -> Entrance Test (1 to 1…\*)