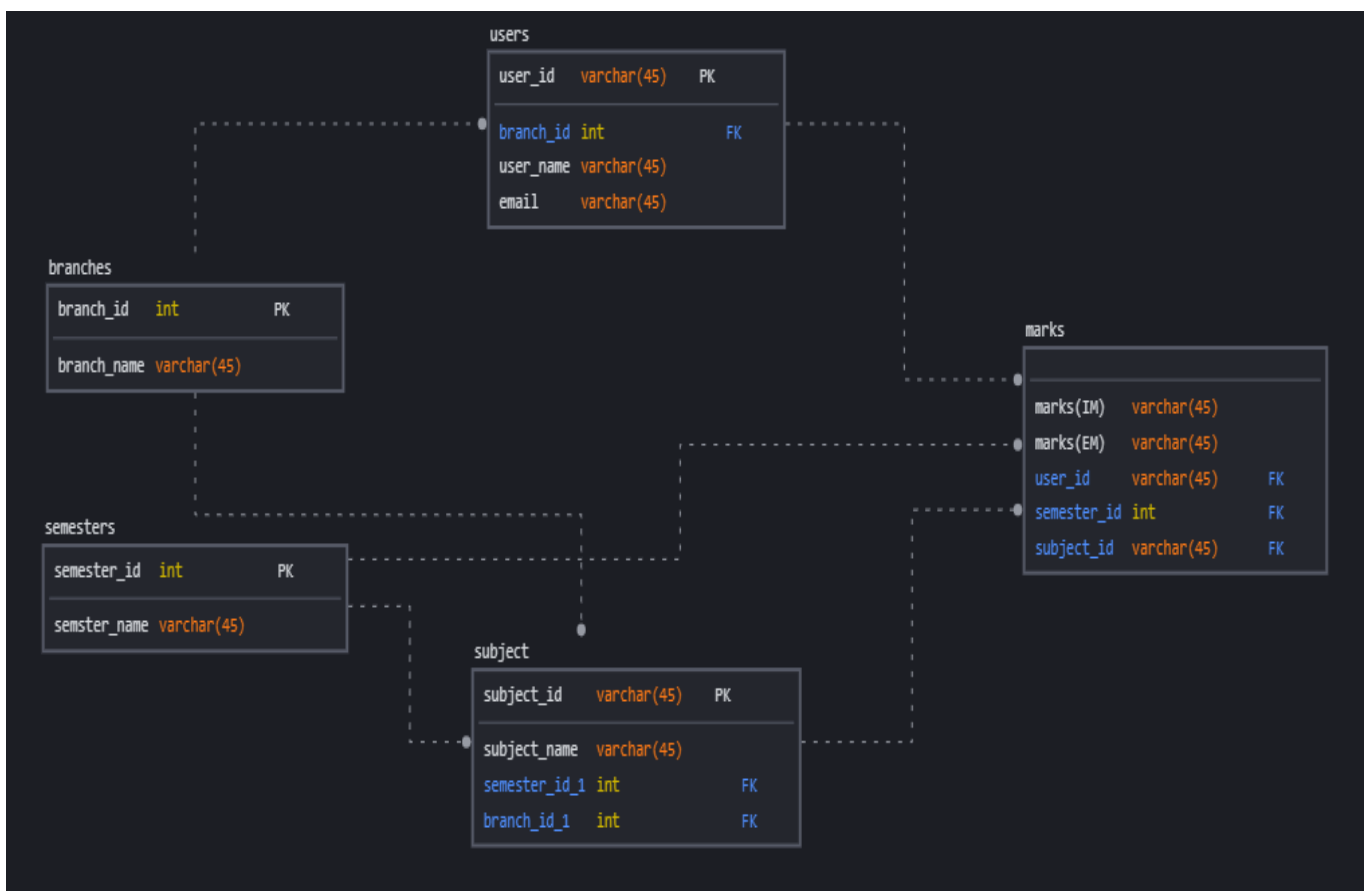# EXAM RESULT PORTAL

Design:

Database Schema Design:

The database schema for the Results System is designed to efficiently store and manage key information related to users, branches, semesters, subjects, and student marks. The schema ensures data integrity and supports the system's core functionalities, allowing seamless user registration, result analysis, and academic performance tracking. With tables such as **Users, Branches, Semesters, Subjects, and Marks**, the schema facilitates organized data storage, enabling administrators, faculty, and students to interact with the system in a structured and secure manner.

Database Schema:

Users Table:

user_id (Primary Key)

user_name

role (faculty, student)

email

branch_id (Foreign Key referencing Branches Table)

Branches Table:

branch_id (Primary Key)

branch_name

Semesters Table:

semester_id (Primary Key)

semester_name

Subjects Table:

subject_id (Primary Key)

subject_name

branch_id (Foreign Key referencing Branches Table)

semester_id (Foreign Key referencing Semesters Table)

Marks Table:

marks (IM)

marks (EM)

user_id (Foreign Key referencing Users Table)

subject_id (Foreign Key referencing Subjects Table)