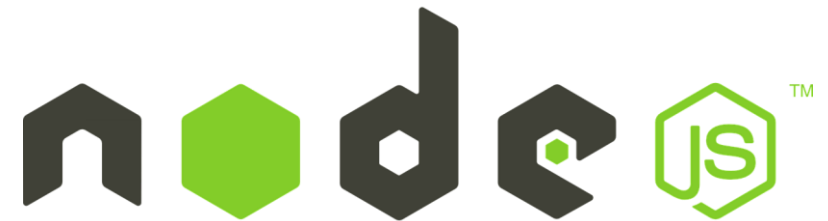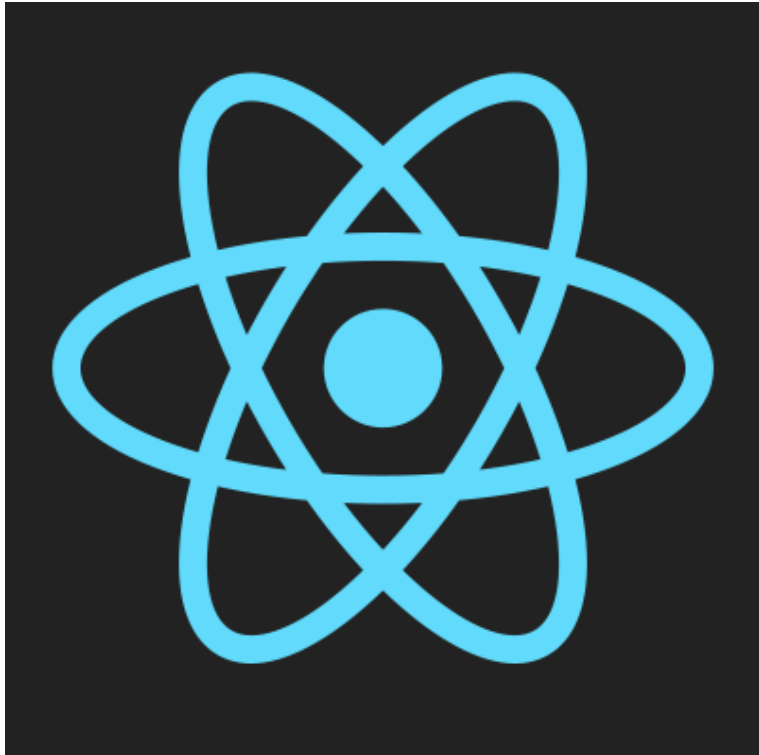# Modern Database Mini Project

Student Information System

Presented By Pavan B N
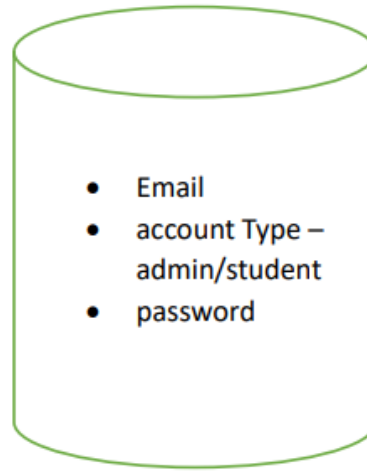
Tech Stack

Database Design

User Model
- Email
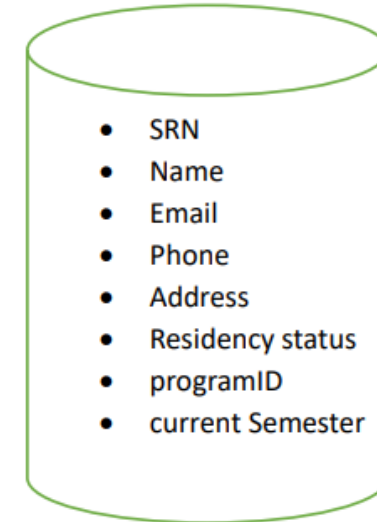- account Type – admin/student
- password
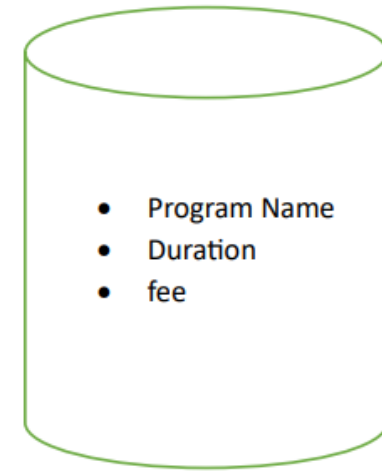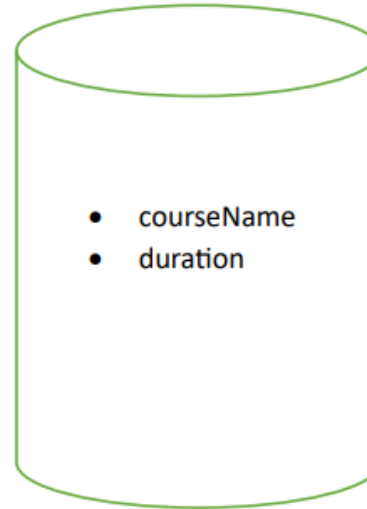
Program Detail Model
- Program Name
- Duration
- fee

Course Detail Model
- courseName
- duration

Student Info Model
- SRN
- Name
- Email
- Phone
- Address
- Residency status
- programID
- current Semester

Enrolled Course Model
- SRN
- Course ID
- Status – active/completed
- CGPA
- SEM
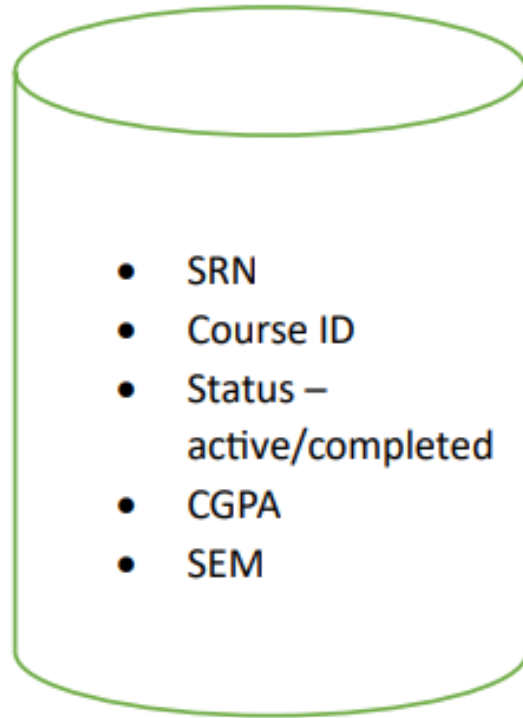
Grade Model
- SRN
- SEM
- Details
- Num of backlogs
- result
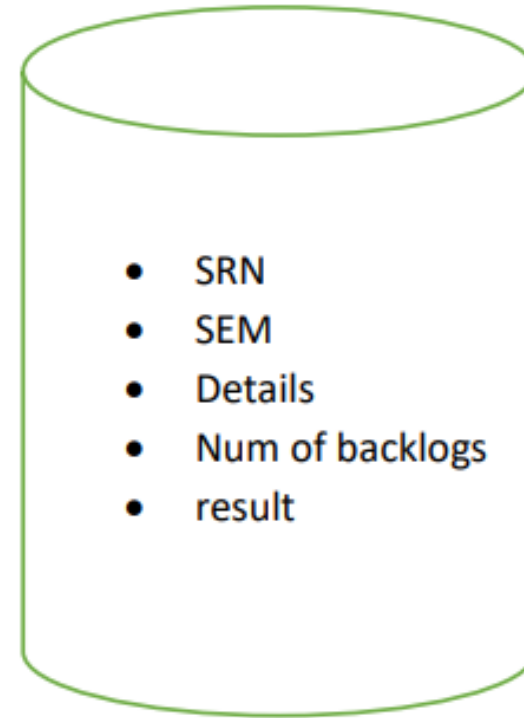
API Endpoints

```
app.use("/auth", AuthRoute)
app.use("/program-detail", ProgramDetailsRoute)
app.use("/course-detail", CourseDetailsRoute)
app.use("/enrolled-courses", EnrolledCoursesRoute)
app.use("/grade-detail", GradeDetailsRoute)
app.use("/student-detail", StudentDetailsRoute)
```
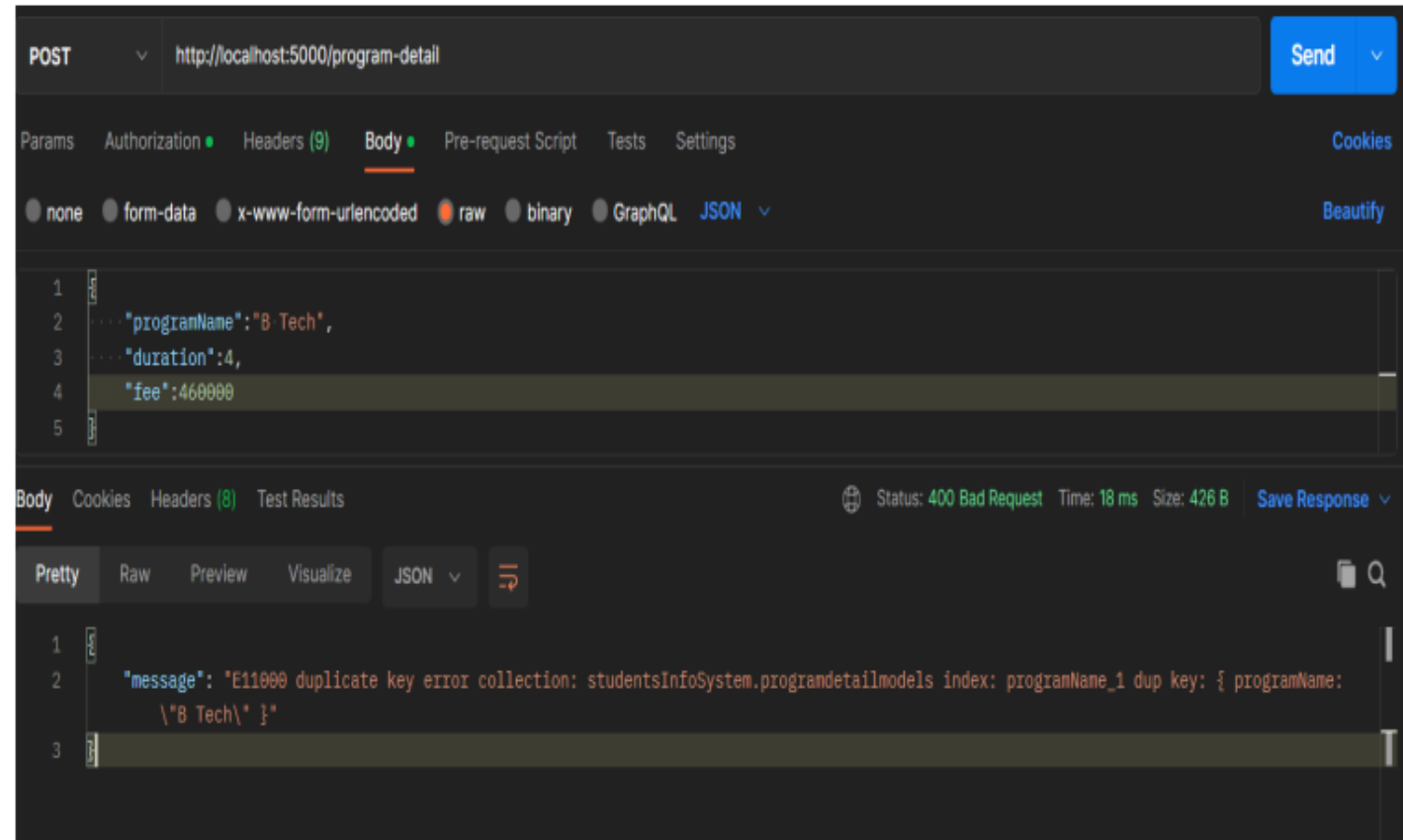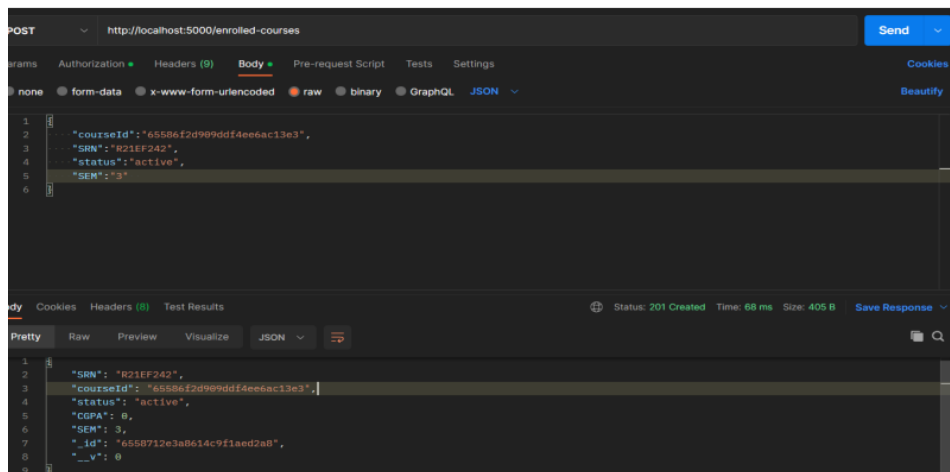
API Testing Using Postman
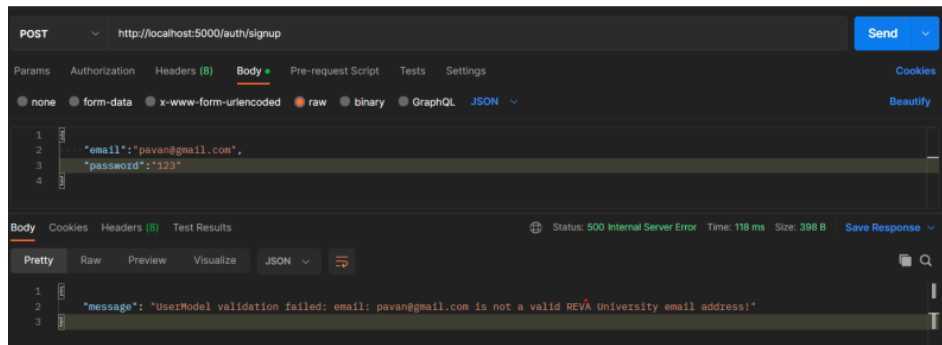
Application Interface React

➢ Admin Dashboard

Admin has access to add new program, courses and enrol new course to a student.

Admin also have access to add and update basic student information and declare the student academics grades

Add Student Information

SRN:

Email:

Name:

Phone:

Address:

Residency Status:

○ Day Scholar   ○ PG   ○ Hostel

Add Student Grades

SRN:

SEM:

Course ID:

Select Course

CGPA:

New Course

Submit

Student can access their information by logging in to the portal

Student Portal   Courses   Grades   Enrolled Courses

Student Details

SRN: R21EF242

Email: 2109723@reva.edu.in

Phone: 8073149346

Address: bangalore laggere - 560058

Residency Status: dayscholar

Program Name: B Tech

Program Duration: 4

Current Semester: 5

logout

My Grades

SRN: R21EF242

SEM: 3

Details:

Java, CGPA: 9.8

Result: pass

Number of Backlogs: 0

SRN: R21EF242

SEM: 4

Details:

Modern Database, CGPA: 9.9

Machine Learning, CGPA: 9.7

OOPs with C++, CGPA: 10

Result: pass

Number of Backlogs: 0

My Enrolled Courses

SRN: R21EF242
Course Name: Modern Database
Course Duration: 6
Status: active
SEM: 5

SRN: R21EF242
Course Name: Embedded System
Course Duration: 6
Status: active
SEM: 5

SRN: R21EF242
Course Name: OOPs with C++
Course Duration: 6
Status: active
SEM: 5

SRN: R21EF242
Course Name: Machine Learning
Course Duration: 6
Status: active
SEM: 5

Thank You