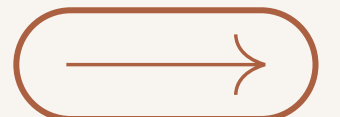CSE 111

Course Catalog

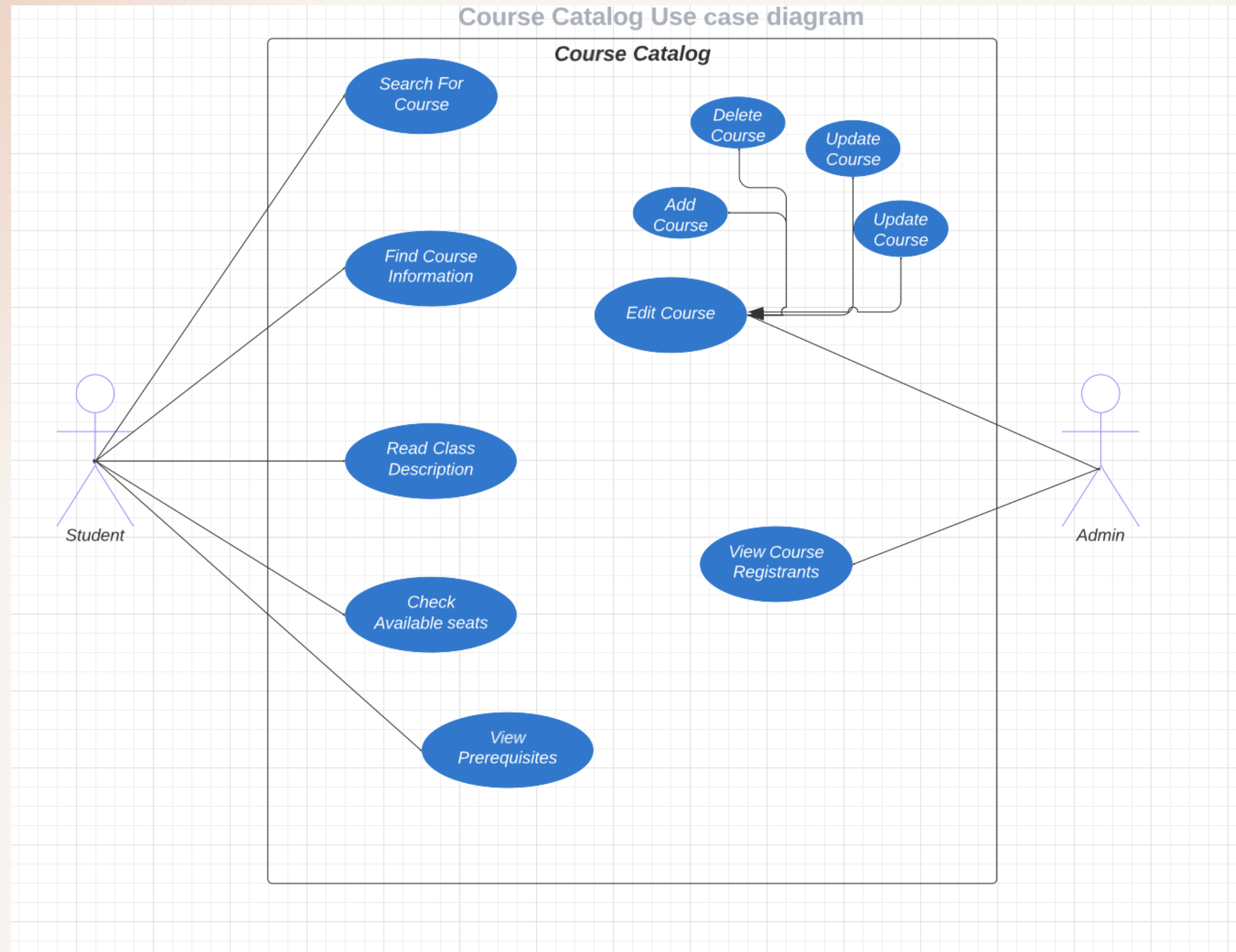By Jennifer Rosen and Corbin Ward

System Description

- Our project is a comprehensive course catalog system
- Students can browse and search for available courses
- Each course entry displays details such as course name, code, description, and credits
- The catalog showcases prerequisites and corequisites for courses
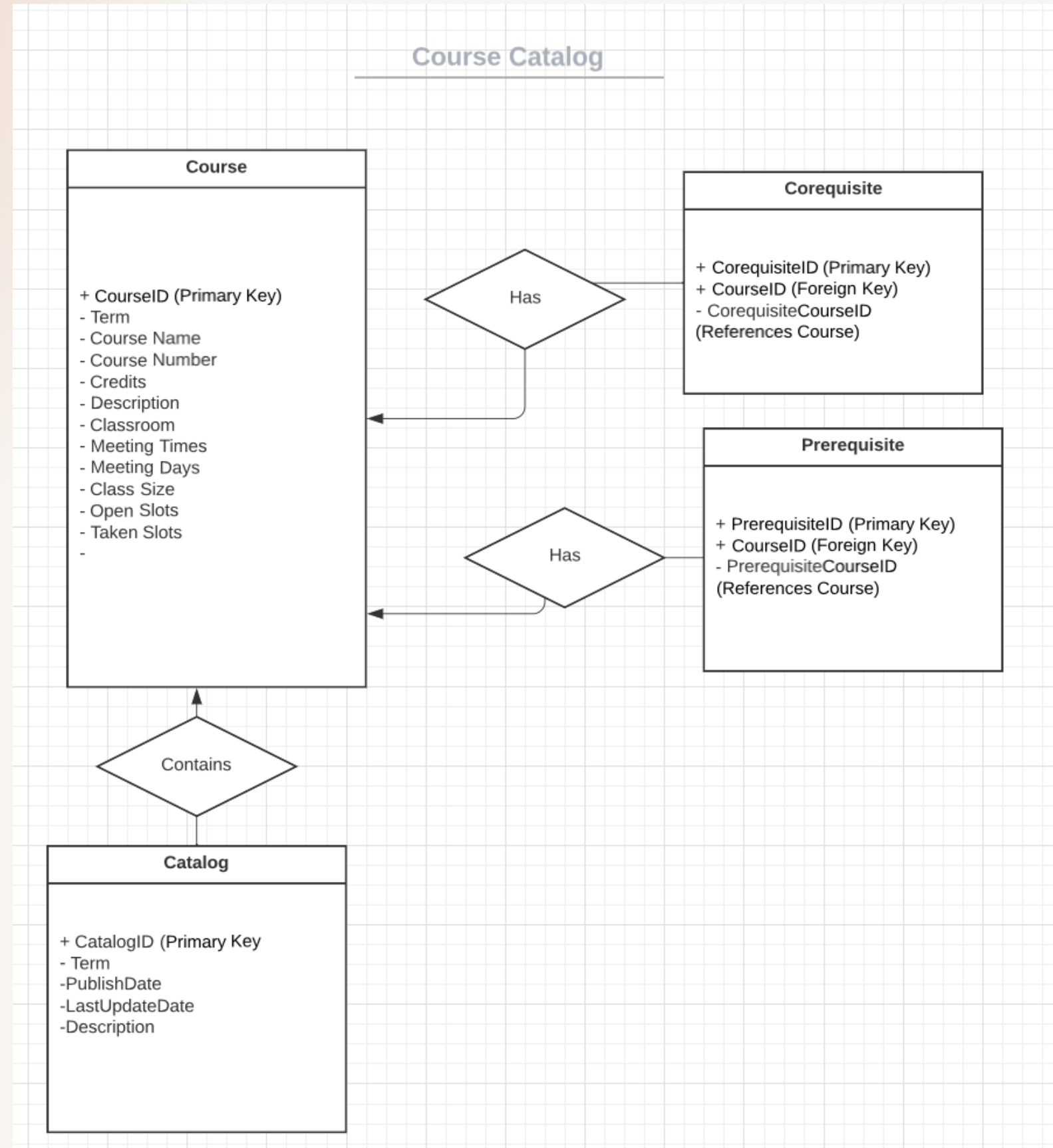- Users can view course schedules and enrollment options

Course Catalog

UML USE CASE DIAGRAM

Course Catalog Use case diagram

Course Catalog

Search For Course

Delete Course

Update Course

Add Course

Update Course

Find Course Information

Edit Course

Read Class Description

Student

View Course Registrants

Admin

Check Available seats

View Prerequisites

Course Catalog

E/R DIAGRAM & SCHEMA

Course Catalog

Course

+ CourseID (Primary Key)
- Term
- Course Name
- Course Number
- Credits
- Description
- Classroom
- Meeting Times
- Meeting Days
- Class Size
- Open Slots
- Taken Slots
-

Corequisite

+ CorequisiteID (Primary Key)
+ CourseID (Foreign Key)
- CorequisiteCourseID
(References Course)

Has

Prerequisite

+ PrerequisiteID (Primary Key)
+ CourseID (Foreign Key)
- PrerequisiteCourseID
(References Course)

Has

Contains

Catalog

+ CatalogID (Primary Key
- Term
-PublishDate
-LastUpdateDate
-Description

Implementation Details

- Integrated Development Environment:
  - We will use Visual Studio Code to write our program
- Languages
  - We will use a combination of JavaScript, HTML, and CSS to host it online
- Database
  - We will use SQLite3 as our database and Node.js to implement our database for the catalog

GitHub Repository