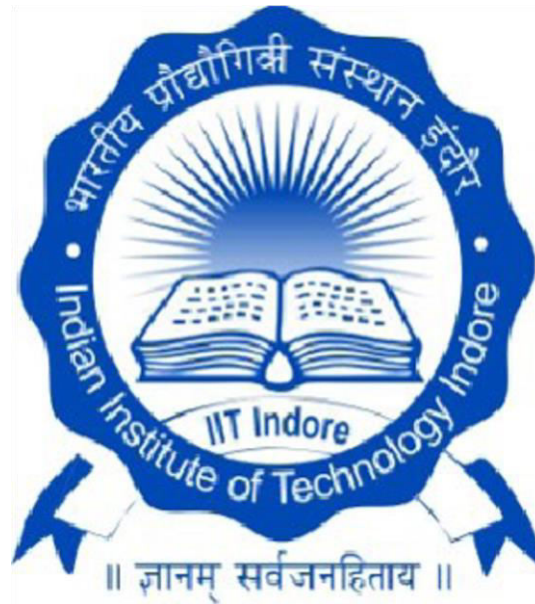


IIT INDORE



Department of Computer Science Engineering

Course Code – CS257
Database and Information System
B.Tech. – 3rd Semester

Project Report
Learning Management System

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Learning Management System (LMS)

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LMS

Learning, because you use it to deliver education courses or training programs.

Management, because it helps you organize these courses (create them, change them, assign them to students, grade them, etc.).

System, last but not least, is just a fancy word that translates to "software". An LMS is a computer program.

Just like Word helps you write documents and Gmail helps you manage your emails, an LMS is a software program that helps you create, manage and deliver eLearning courses.

An LMS is the "engine" that powers eLearning, and in the most common form it consists of two separate parts:

- A server component that performs the core functionality (creating, managing and delivering courses, authenticating users, serving data and notifications, etc.)
- A user interface that runs inside your browser as a web (like Gmail or Facebook), that is used by administrators, instructors and students.

Why LMS?

Employee training | Employee orientation | Knowledge retention | Education

An LMS can be used for all kinds of learning activities (that's why they put the "L" in the acronym after all). But it's also an invaluable business tool, one that has been embraced by enterprises and organizations big and small.

What LMS Exactly do

An LMS handles the management and delivery of eLearning courses.

Well, an LMS lets you create eLearning content (lessons), organize it into courses, deliver the content (either internally to your business or to a wider internet audience), enroll students to said courses, and, finally, monitor and assess their performance (attendance, grades, etc.).

Capabilities of an LMS

- **Creating an eLearning course**
- **Organizing your courses**
- **Delivering your courses**
- **Managing your users**
- **Monitoring and assessing student progress**

- **Advanced LMS features**

- The ability to organize and hold e-conference sessions, with multiple students participating through audio and video

- Online whiteboard functionality, so instructors and students can create and share writings and drawings in real time

- The ability to sell courses and integrate with payment processors such as PayPal and Stripe

- The ability to use the LMS with mobile devices (smartphones and tablets), including being able to study when offline

- The ability to integrate with third party systems and exchange data through eLearning standards such as SCORM and Tin-Can

- The ability to use your own branding and/or create custom themes for the LMS user interface

- The ability to extend the platform's features with your own custom scripts and plugins, based on a publicly available and well documented API

- **Deployment**

- Locally deployed (self-hosted) LMS
 - Private Cloud (hosted LMS)
 - Cloud based LMS

Specification

- FRONT END
 1. HTML (Page designing)
 2. CSS (styling), BOOTSTRAP
 3. JAVASCRIPT
- BACK-END
 1. NODEJS WITH EXPRESS
- DATABASE
MYSQL

ENTITY-RELATIONSHIP DIAGRAM (ER Diagram)

.. ENTITY SETS—

1.Students

2.Instructor

3.Courses

..RELATIONSHIP SETS—

1.ADDS

2.REGISTER

3.UPLOADS.

FUNCTIONAL DEPENDENCIES CONSTRAINTS-

1.STUDENTS

(Studentid)->(username, phone no, email, First_name, Last_name).

(username)->(phone_no,email)

2.INSTRUCTOR

(Instructor_id)->(username, First_name, email,address,last_name)

(username)->(Phone_no, email)

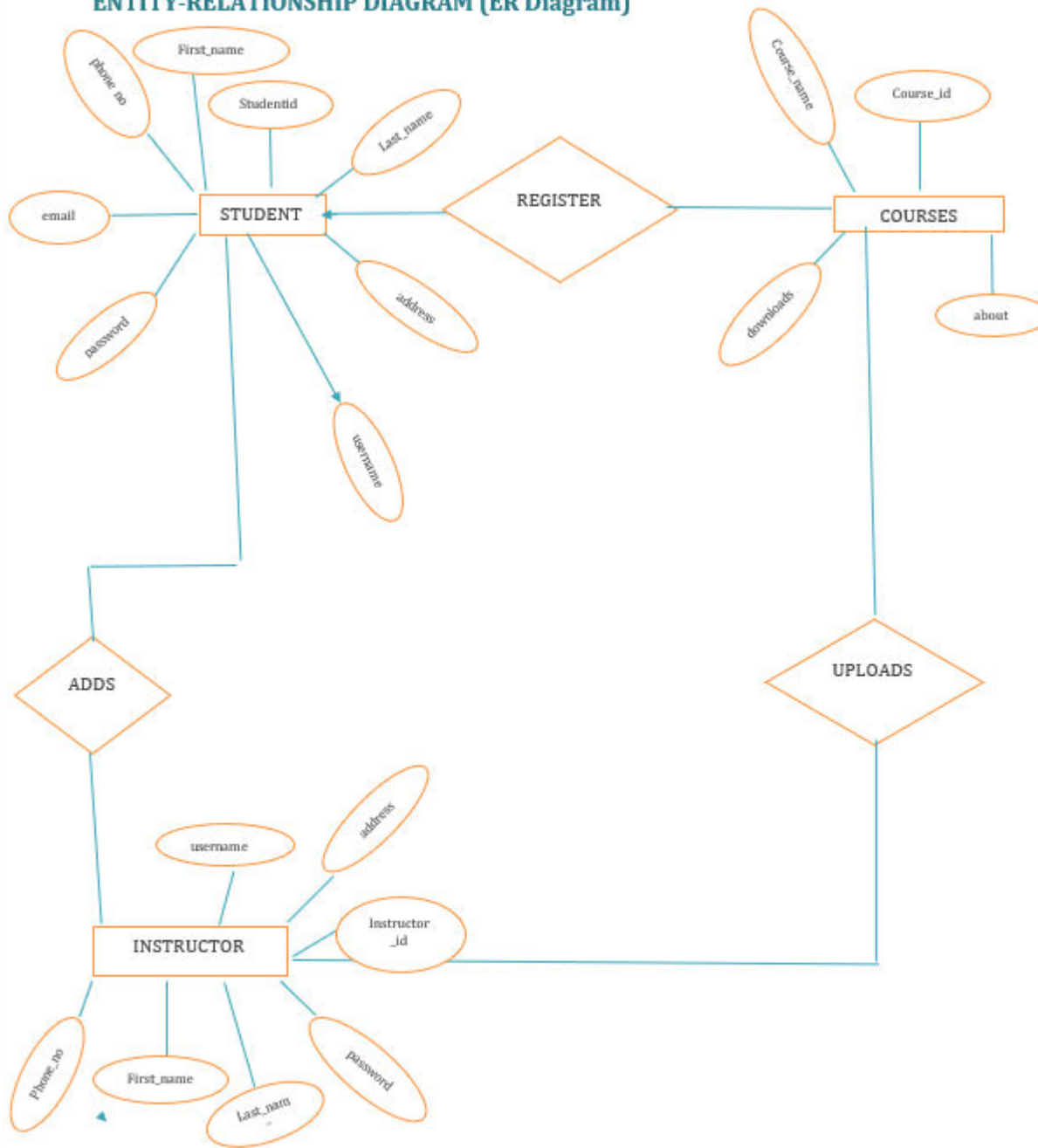
3.COURSES

(course_id)->(Course_name, download link)

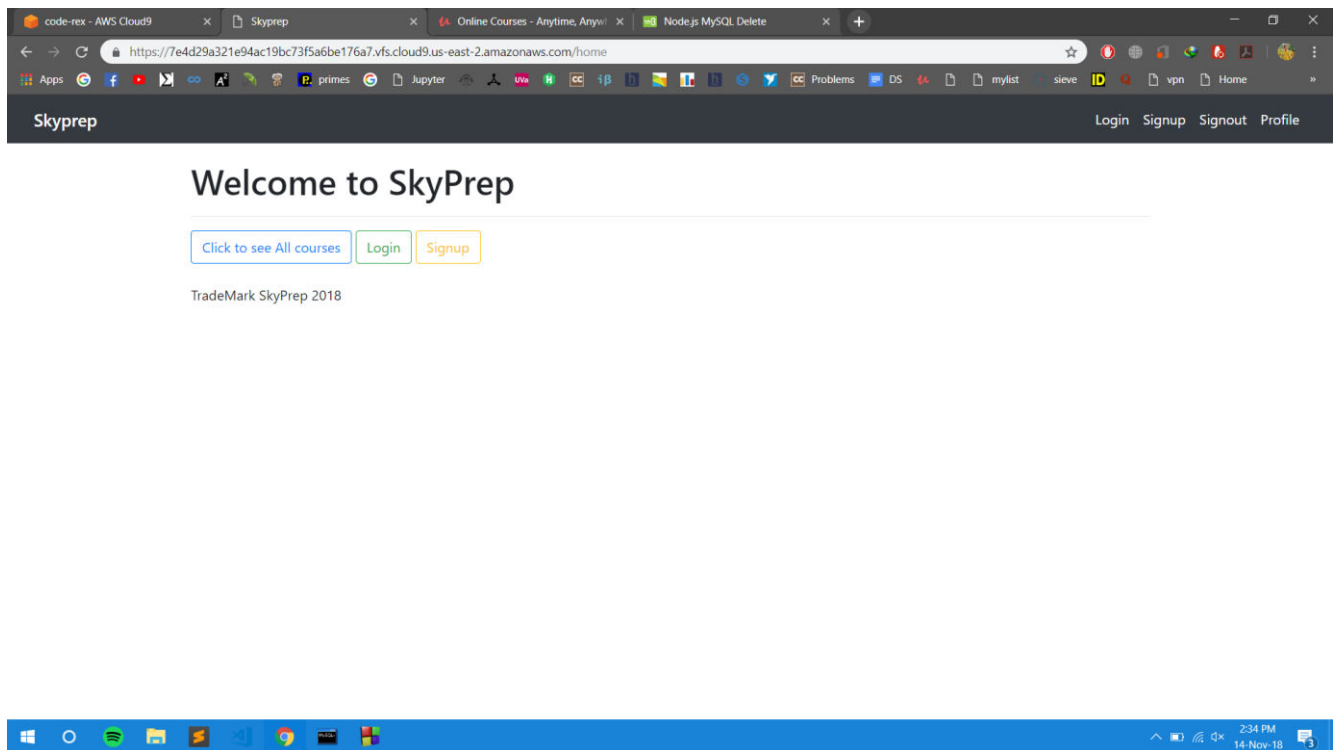
4.REGISTER

(Course_id,student_id)

ENTITY-RELATIONSHIP DIAGRAM (ER Diagram)



Screenshots



code-rex - AWS Cloud9 x Skyprep x Online Courses - Anytime, Anyw... x Node.js MySQL Delete x

https://7e4d29a321e94ac19bc73f5a6be176a7.vfs.cloud9.us-east-2.amazonaws.com/courses

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Skyprep Login Signup Signout Profile

Welcome to All Courses

A Learning Management Web-App

[Add a New Course](#)

S.no	Name	Description	Download link	Enroll	Delete
1	AWS	AWS certified solutions	Link	Enroll	Remove
2	WEB	WEB DEVELOPER	Link	Enroll	Remove
3	Ethical Hacking	The complete Ethical Hacking	Link	Enroll	Remove
4	Angular2	Learn Angular2	Link	Enroll	Remove
5	WordPress	Wordpress	Link	Enroll	Remove

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https://7e4d29a321e94ac19bc73f5a6be176a7.vfs.cloud9.us-east-2.amazonaws.com/login

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Skyprep Login Signup Signout Profile

Login

Student

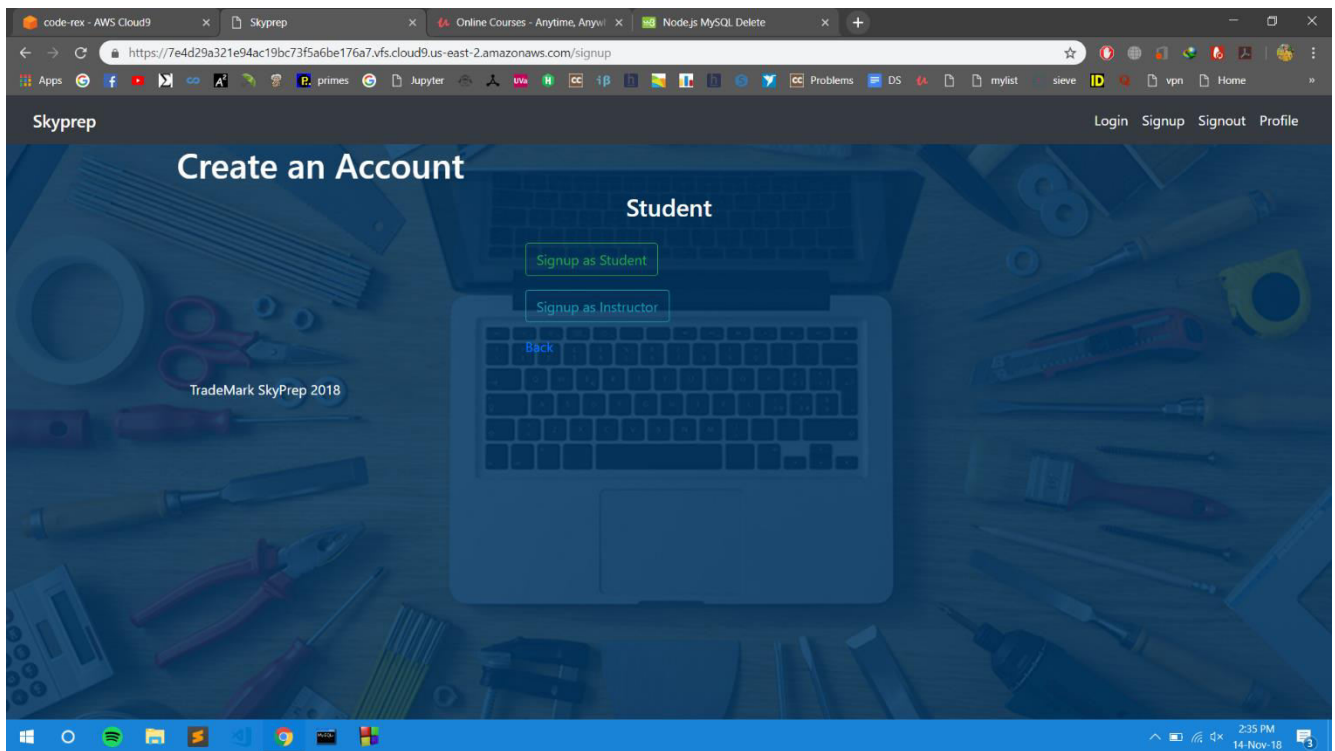
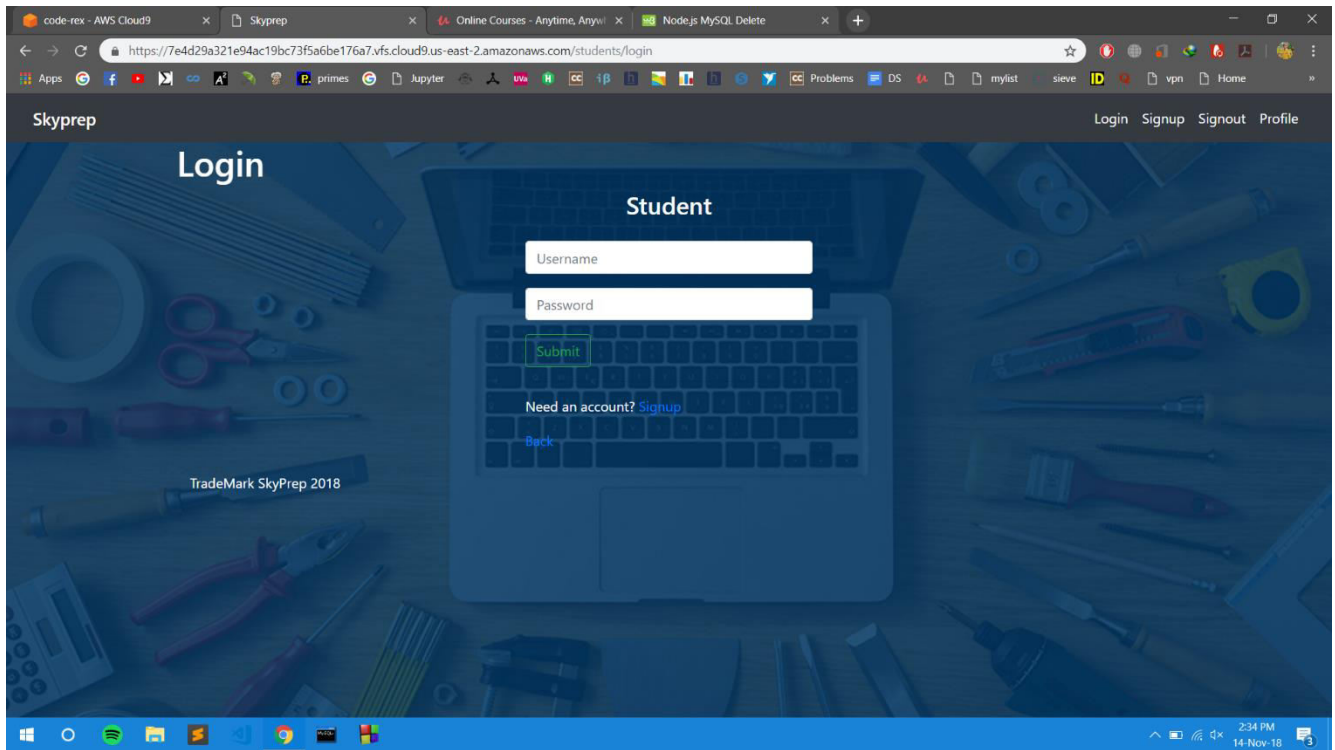
[Login as Student](#)

[Login as Instructor](#)

[Back](#)

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https://7e4d29a321e94ac19bc73f5a6be176a7.vfs.cloud9.us-east-2.amazonaws.com/students/signup

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Skyprep Login Signup Signout Profile

Create an Account

Student

Your First Name

Your Last Name

Username

Your Email

Your Phone Number

Your Address

Password

Submit

Already have an Account? [Login](#)

[Back](#)

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https://7e4d29a321e94ac19bc73f5a6be176a7.vfs.cloud9.us-east-2.amazonaws.com/students/profile

Apps f y p primes Jupyter Un CC iB Problems DS mylist sieve ID vpn Home

Skyprep Login Signup Signout Profile

Welcome Sahil kumar



User Name:	sahil
Mobile:	8565077815
Address:	allahabad
Email:	allahabad

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