Capstone Project

Frontend --🡪 React JS

Backend -🡪 Express JS with Mongo Db database

Real-World Scenario:  
An EdTech company is looking to expand the boundaries of its business to the online sphere. They want their learners to be able to access all the learning materials and live class recordings online. It will also increase its customer base (from metropolitan cities tonewinternationalmarkets).  
Create a learning management system for this scenario.

Features of the project:  
•  
Admin should be able to add and update the courses.  
•  
Admin should be able to view the details of the faculties and learners.  
•  
Faculties and learners should be able to see all the course details.  
•  
Learners should be able to request for the course access.  
•  
Faculties should be able to update the course.  
•  
Learners can provide feedback and ratings for courses.  
•  
Group chat options for collaborative

Real-World Scenario:  
A packers and movers company notices that there has been a gradual decline in the number of leads or inquiries in the last three quarters. As a response to this declining demand, they decide to take their business online.  
They want a web application that can handle all the inquiries and bookings for prospective customers. They also want to provide quotations based on the details provided by the customers regarding the scope of their work.  
Create an online application for this scenario.

**Cab Booking**

Type of users

Admin --🡪 sign in and signup

Add cab details, view all cab details, update cab details and delete cab details etc.

View all booking details.

Customer 🡪 sign in and sign up

View all cab information base upon source and destination

Book the cab.

Create the folder as

Capstone project -🡪TypeOfProject Name

Backend folder

**npm init -y package.json file create**

**npm install express mongoose dotenv cors**

.env filder

**Provide Database URL and Port number details.**

config folder -🡪

dbConfig.js it provide database connection

model folder 🡪

**users.model.js**

repositories 🡪

user.repostories.js

**signup and sign functionality**

service

signup and sign functionality

continue with other folder structure

**Frontend folder**

create-react-app react-login-app

or

npx create-react-app react-login-app

after project creation move inside a project folder

cd react-login-app

**npm install axios react-router-dom**

CORS policy

**Cross Origin Resource sharing**

Front end --- > React JS -🡪 3000

Communication between react and express Js through browser.

Backed end -🡪 express JS 🡪 3001

In Backend technologies using xml file or using annotation or using few external module we need to allow to access resource through browser.

In Express JS we need to use third party module is **cors**. this module we need to install and configure using middleware module to allow to access any resource