



PSCMR COLLEGE

EDUCATIONAL COURSE

Presented By :
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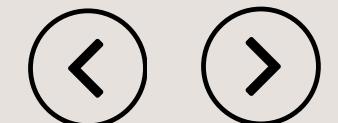


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Abstract

The importance of effective Learning Management Systems (LMS) that can facilitate seamless content delivery, interaction, and collaboration between educators and learners. This project focuses on the development of a robust Learning Management System using the Angular framework, renowned for its ability to create dynamic, responsive, and user-friendly web applications.

The primary objective of this project is to create a feature-rich LMS that caters to the needs of modern educators and learners. Leveraging Angular's capabilities, the system will offer an intuitive and engaging user interface, real-time interactions, and adaptive design to ensure optimal usability across devices.



3 introduction



- This project aims to develop a robust Learning Management System (LMS) using Angular, known for its dynamic and user-friendly web application capabilities.
- The LMS will prioritize seamless content delivery, interaction, and collaboration between educators and learners, featuring real-time interactions and adaptive design for optimal usability across devices.
- Additionally, the project will showcase the MEAN Stack's (MongoDB, Express.js, Angular, Node.js) capabilities by creating a CRUD application, covering all essential data operations.

Contents

HTML

Hyper Text Markup Language
HTML is the standard markup language for creating Web pages. HTML describes the structure of a Web page. HTML consists of a series of elements. HTML elements tell the browser how to display the content.



CSS

Cascading Style Sheets
is a stylesheet language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG, MathML or XHTML). CSS describes how elements should be rendered on screen, on paper, in speech, or on other media.



JAVA SCRIPT

JavaScript is a dynamic programming language that's used for web development, in web applications, for game development, and lots more. It allows you to implement dynamic features on web pages that cannot be done with only HTML and CSS



Contents

NODE JS

Node.js (Node) is an open source, cross-platform runtime environment for executing JavaScript code. Node is used extensively for server-side programming, making it possible for developers to use JavaScript for client-side and server-side code



EXPRESS

Express.js is a small framework that works on top of Node.js web server functionality to simplify its APIs and add helpful new features. It makes it easier to organize your application's functionality with middleware and routing.



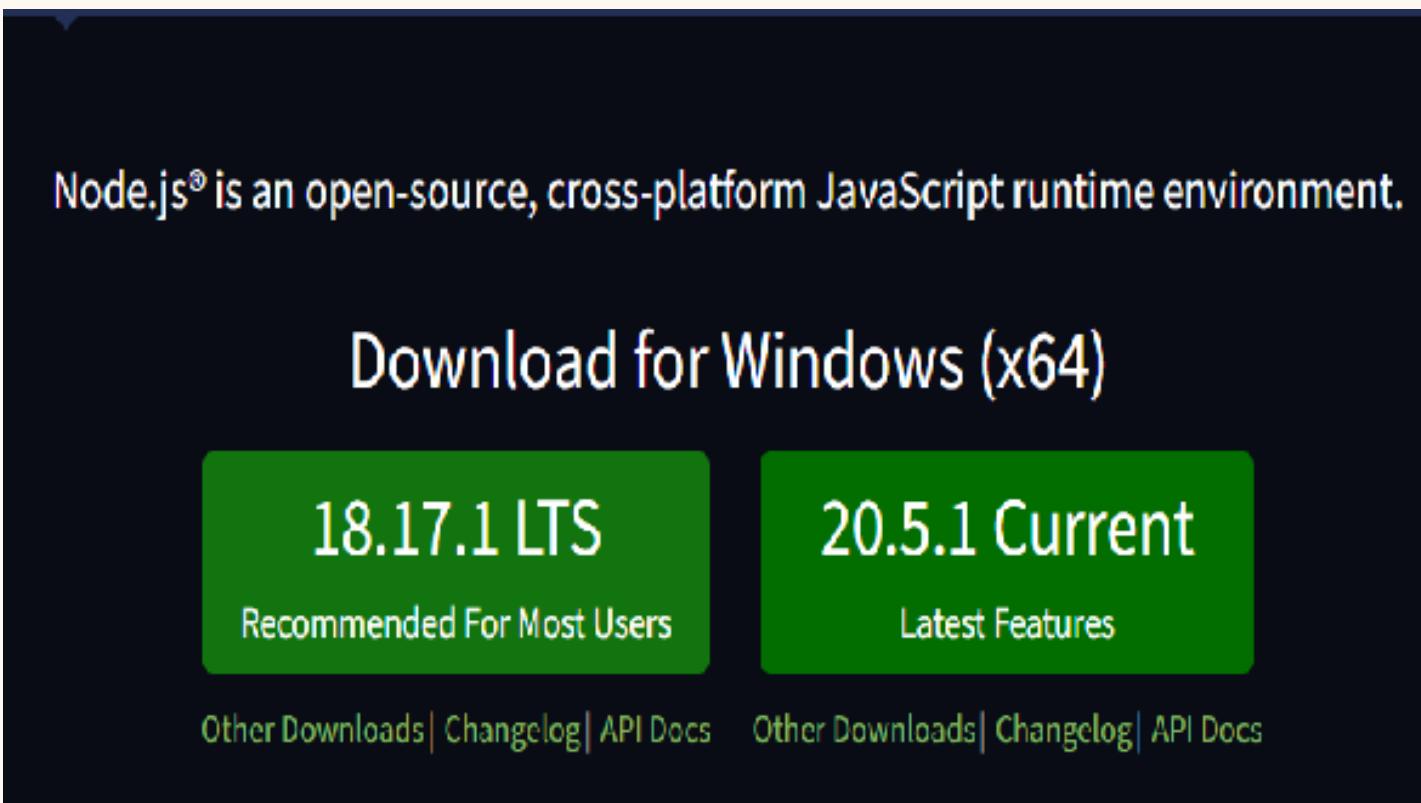
ANGULAR

AngularJS is a Javascript open-source front-end structural framework that is mainly used to develop single-page web applications. It is a continuously growing and expanding framework



Installation

- Node JS
- Download NodeJs (latest version)



- Angular CLI
- Command to install Angular CLI

```
C:\Users\HP>npm install -g @angular/cli
[          ] \ idealTree:semver: t
```

- To Check the Version of Angular CLI ng version

```
at Google under Google's Privacy Policy at https://policies.google.com/privacy. For more
details and how to change this setting, see https://angular.io/analytics. Yes

Thank you for sharing pseudonymous usage data. Should you change your mind, the following
command will disable this feature entirely:

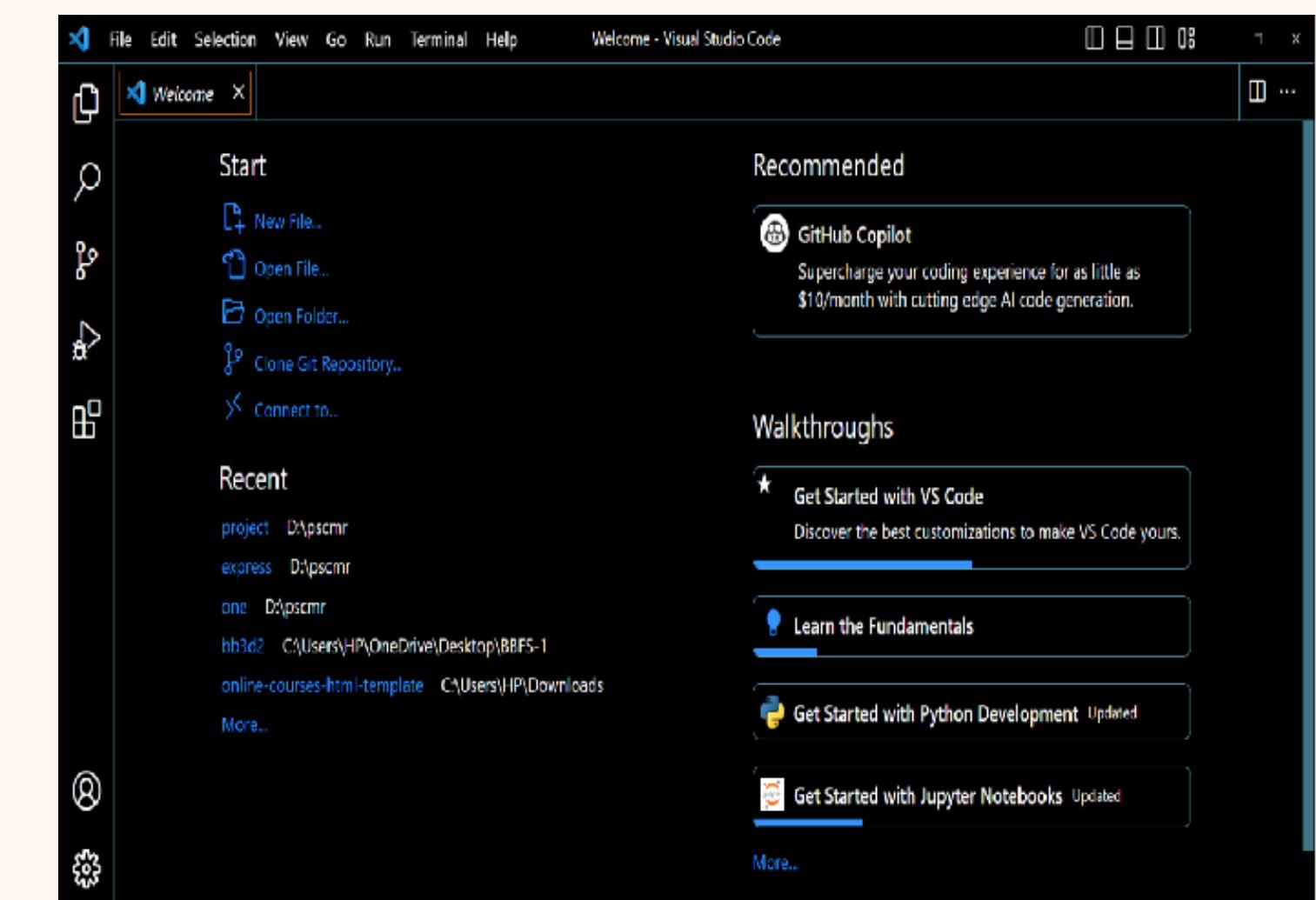
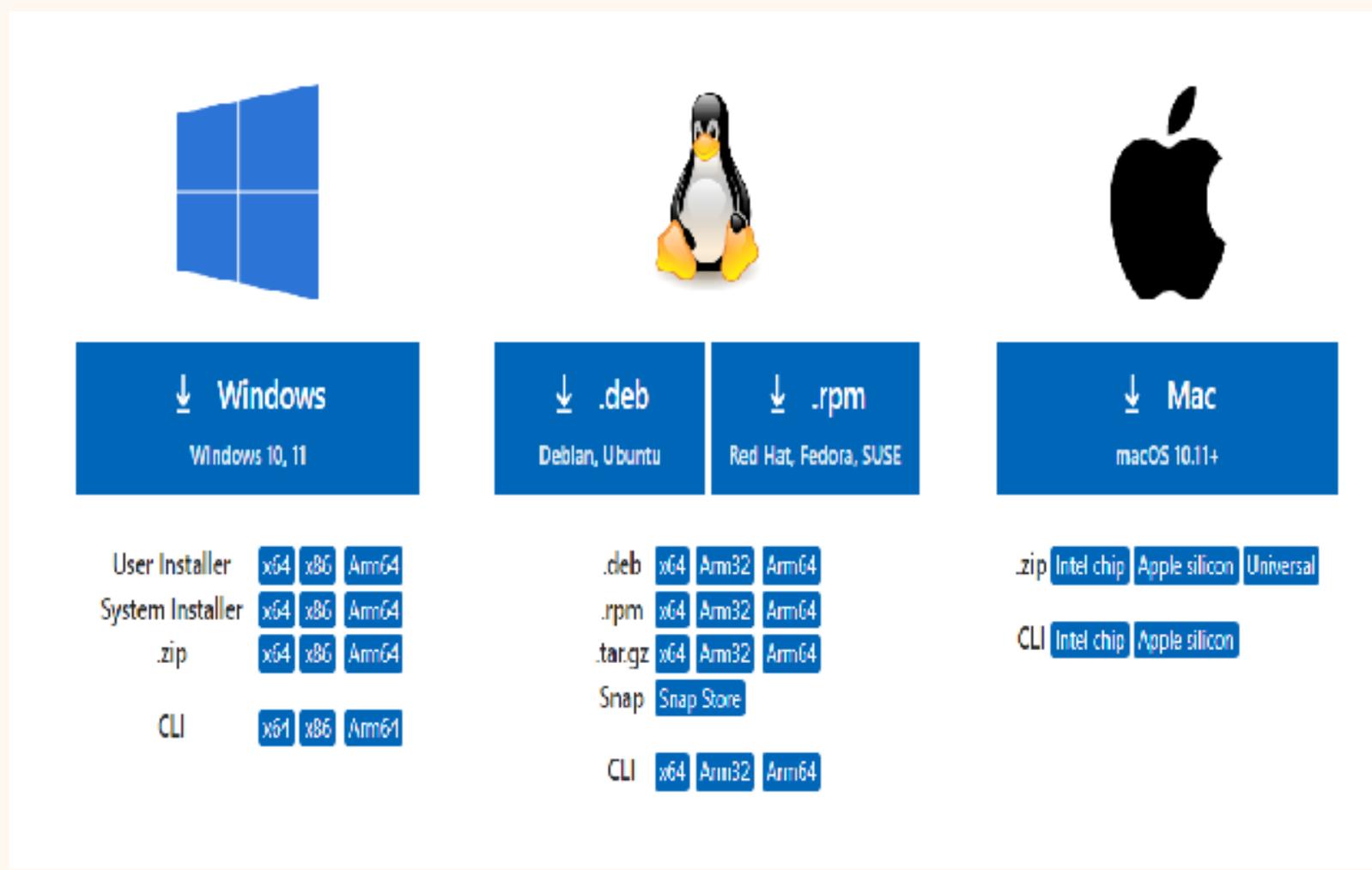
  ng analytics disable --global

Global setting: enabled
Local setting: No local workspace configuration file.
Effective status: enabled

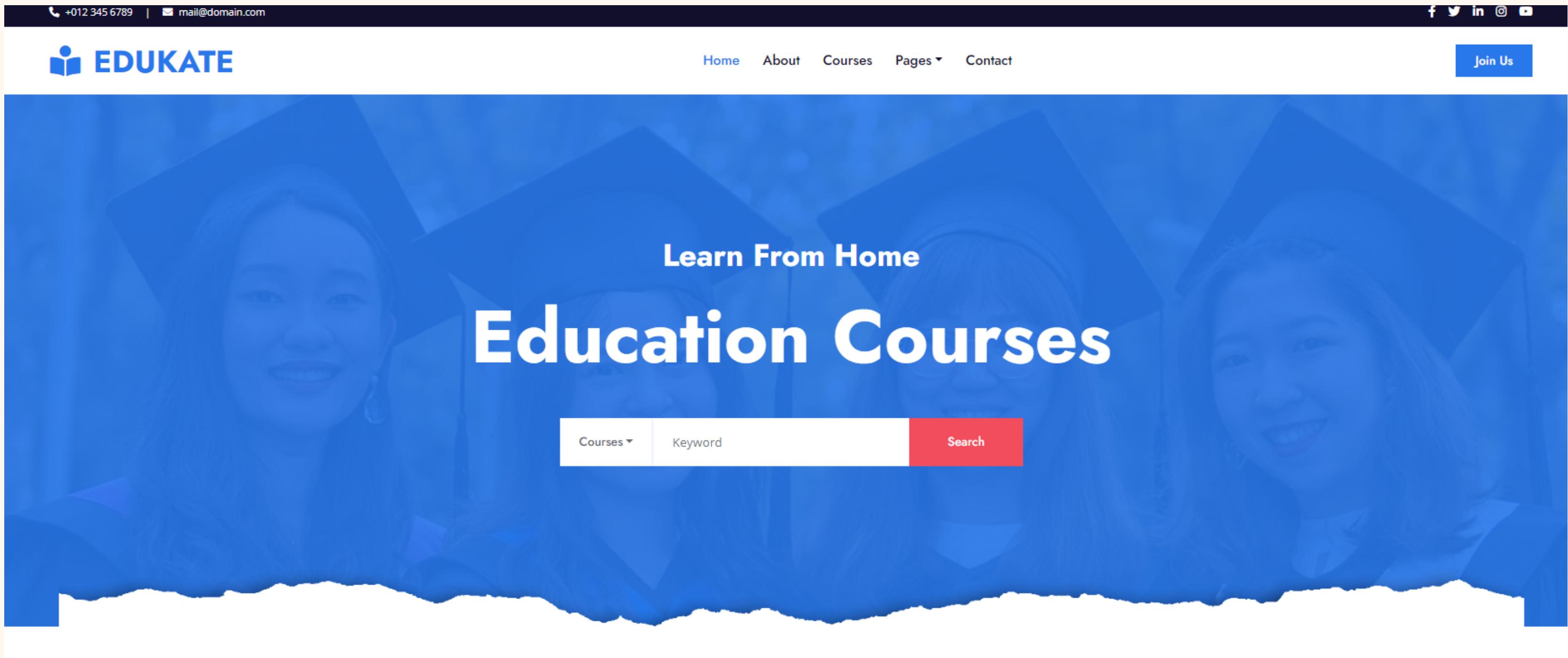
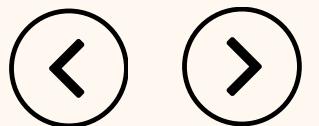
Angular CLI: 16.2.0
Node: 18.17.1
```

Text Editor Used

Visuval Studio Code



3 Out Comes

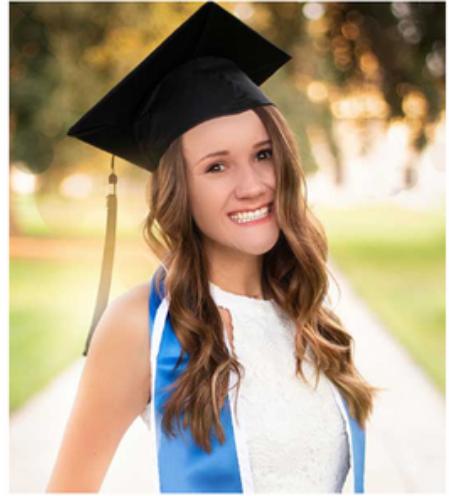


A screenshot of the EDUKATE website. The header features a dark blue bar with contact information (+012 345 6789 | mail@domain.com) and social media links (Facebook, Twitter, LinkedIn, Instagram, YouTube). The main navigation menu includes Home, About, Courses, Pages (with a dropdown arrow), and Contact, along with a prominent 'Join Us' button. The background of the page is a large, semi-transparent image of two smiling people. Overlaid on this image are the text 'Learn From Home' and 'Education Courses' in white. At the bottom, there is a search bar with 'Courses' (with a dropdown arrow), 'Keyword', and a red 'Search' button.

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About Page

This page consist of the content about the Application we developed.

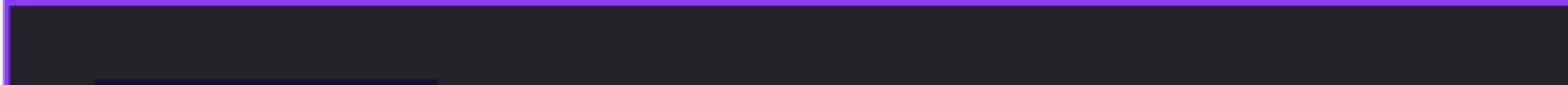
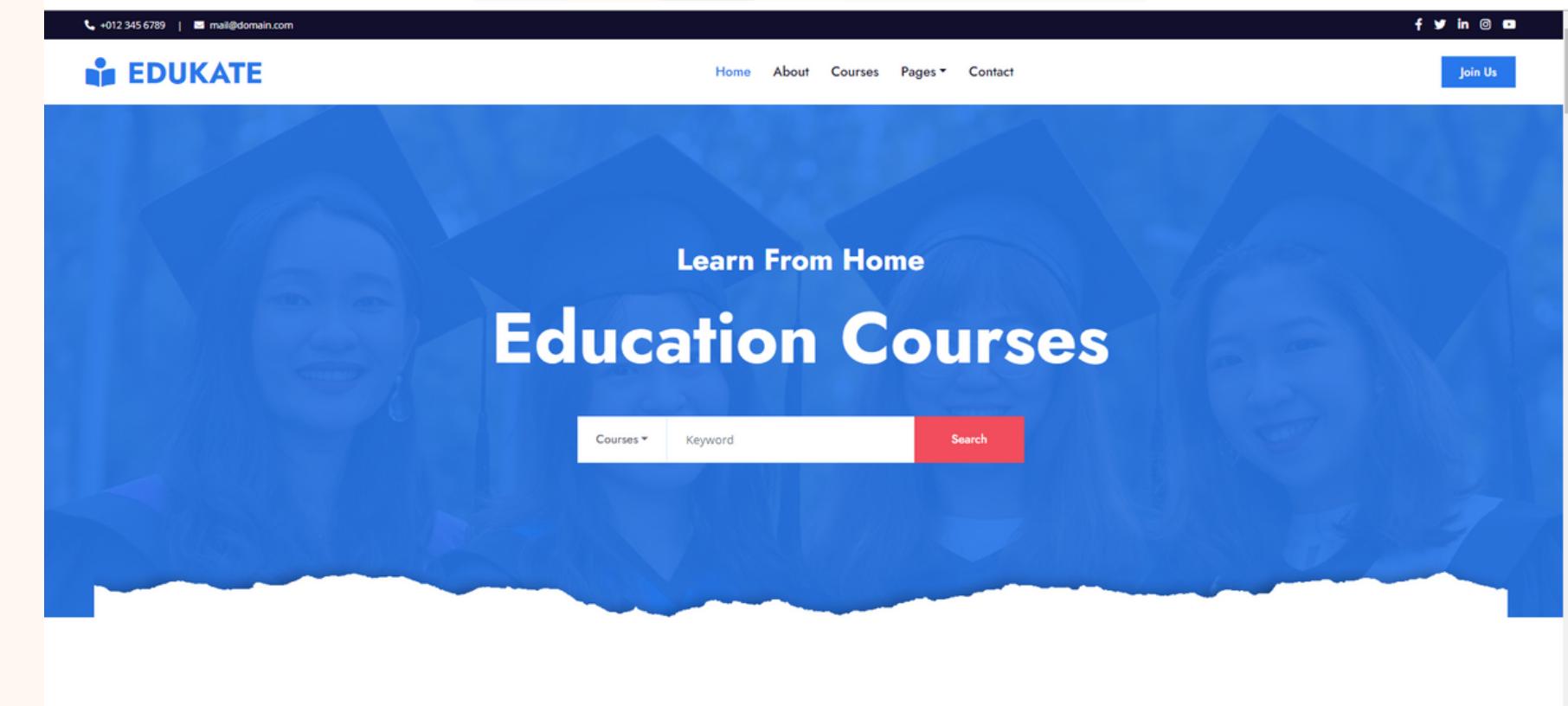


ABOUT US

First Choice For Online Education Anywhere

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123 AVAILABLE SUBJECTS **1234** ONLINE COURSES **123** SKILLED INSTRUCTORS **1234** HAPPY STUDENTS



EDUKATE

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NEWSLETTER

Your Email

Get in Touch

123 Street, New York, USA
mail@domain.com.com
+012 345 67890

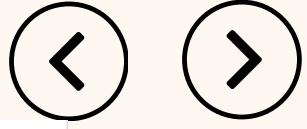
Our Courses

→ Web Design
→ App Design
→ Marketing
→ Research
→ SEO

Quick LINKS

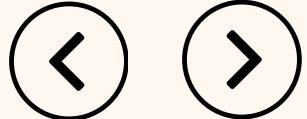
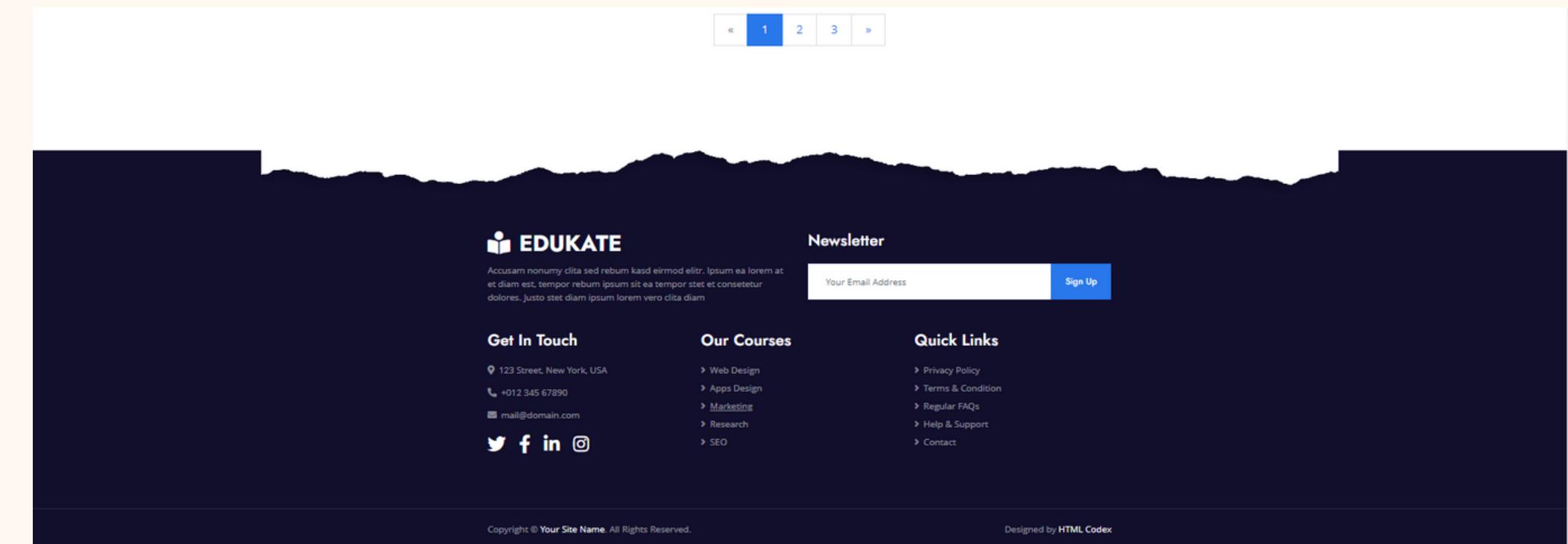
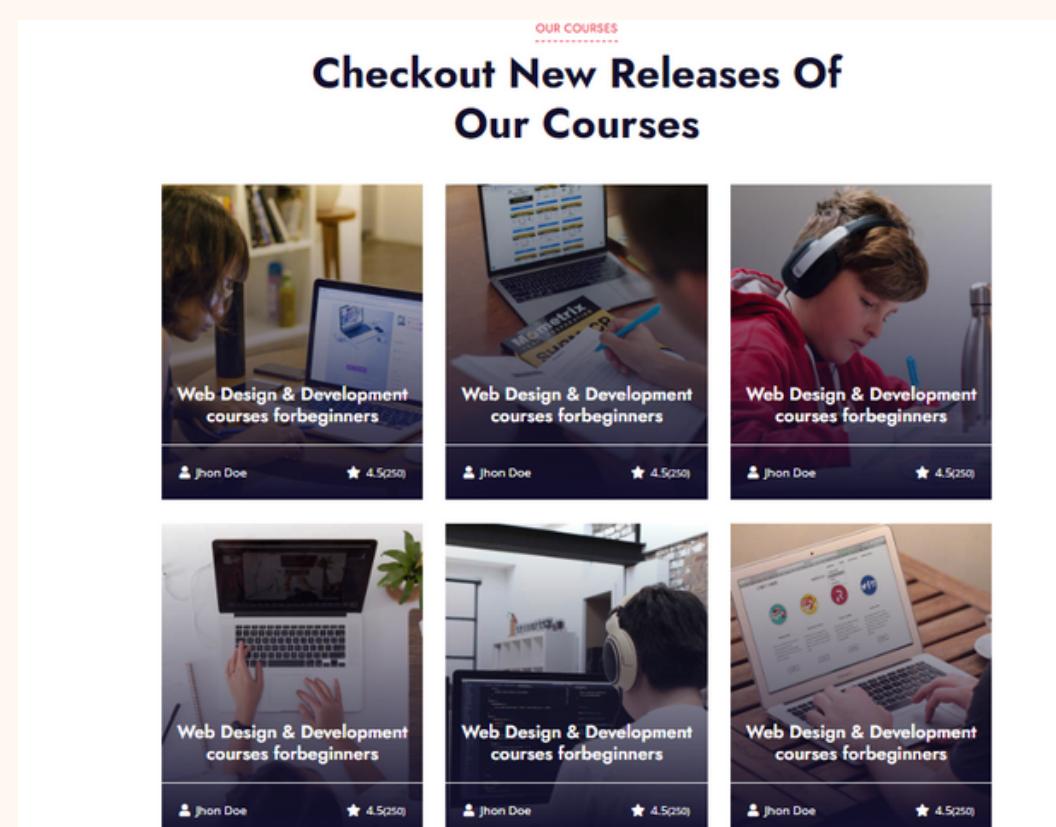
→ Privacy Policy
→ Terms and Conditions
→ Regular FAQs
→ Help and Support
→ Contact

Copy Rights © Your Site Name. All Rights Reserved. Designed by HTML Codex



3 Courses Page

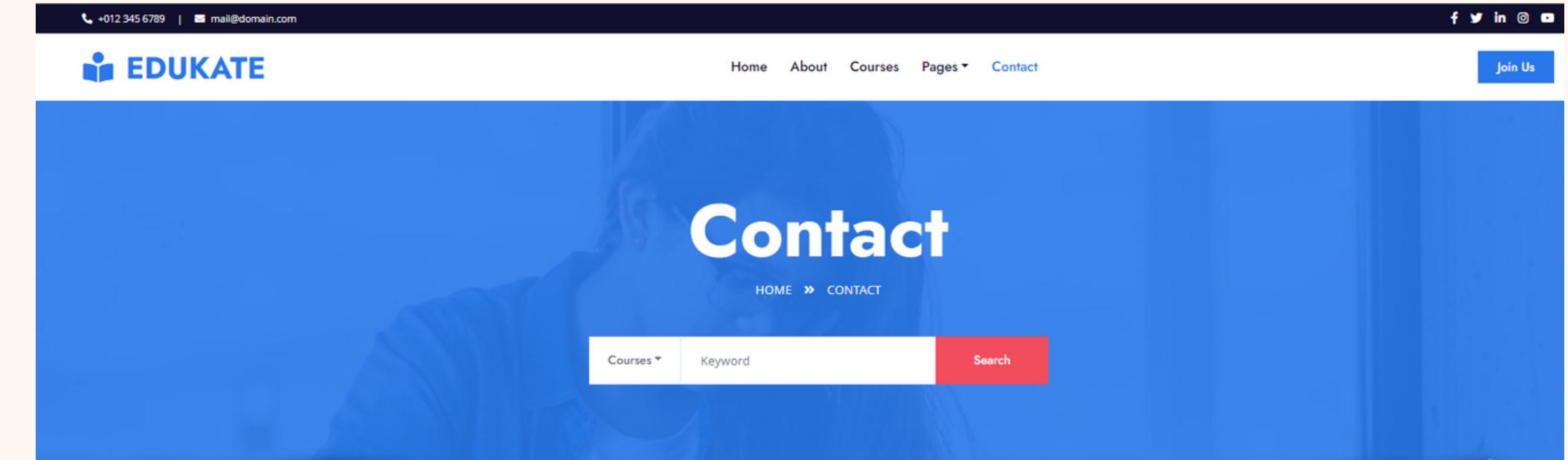
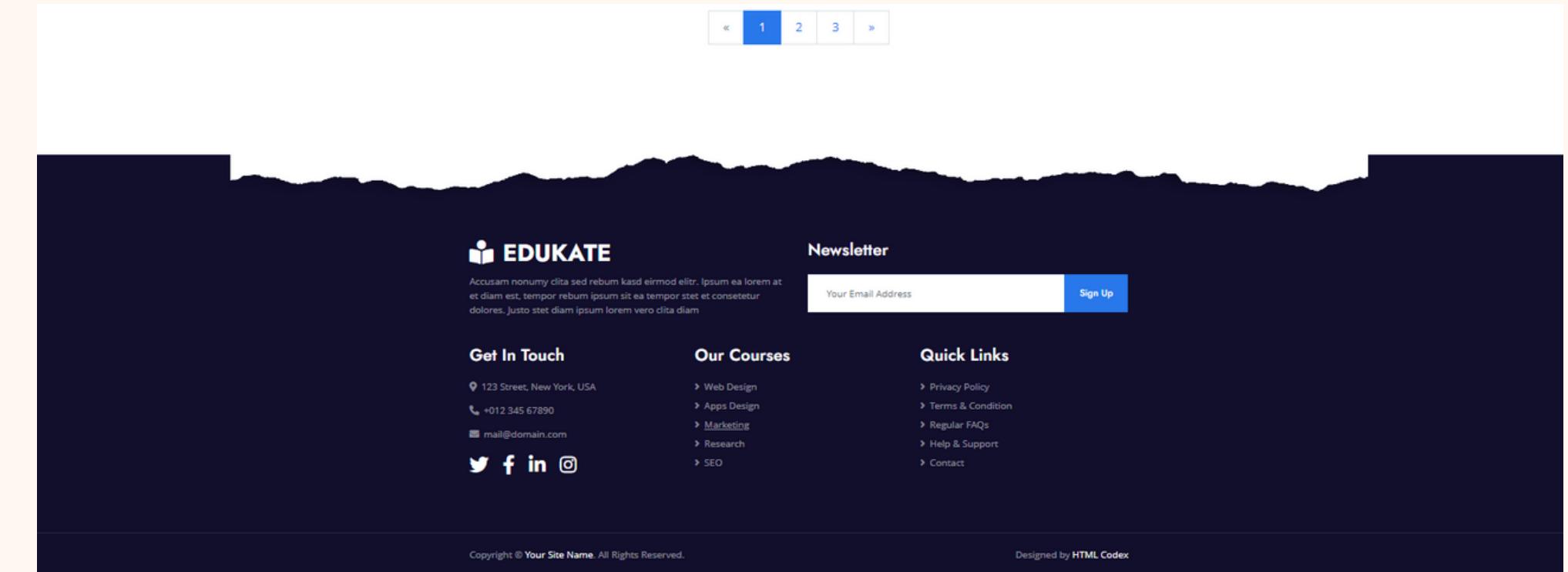
This is courses page which consists of various courses in it including



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Contact

Student can get the information from contact page

A contact form titled 'Send Us A Message'. It features three sections: 'Our Location' with a location pin icon and address '123 Street, New York, USA'; 'Call Us' with a phone icon and number '+012 345 6789'; and 'Email Us' with an envelope icon and email 'mail@domain.com'. To the right is a 'NEED HELP?' section with a large 'Send Message' button.

DB Connectivity

What is MongoDB

MongoDB is a non-relational document database that provides support for JSON-like storage. The MongoDB database has a flexible data model that enables you to store unstructured data, and it provides full indexing support, and replication with rich and intuitive APIs.

DB Connectivity

Create index.js in express Folder

```
*const express = require("express");
*var cors = require('cors')
*const mongoose = require('mongoose');
*const app = express();

*app.use(cors())
*app.use(express.json({ limit: '50mb' }));

*mongoose.set('strictQuery', true);
*mongoose.connect('mongodb+srv://Amalodbhavin:ugOR4cla36edRKZg@cluster0.41uuf3v.mongodb.net', {
  *  useNewUrlParser: true,
  *  useUnifiedTopology: true
*}).then(() => console.log('DB connected')).catch(err => console.log(err))

*app.get("/", (req, res) => {
  *  res.send("Express");
*})
*app.listen(3000, () => console.log("Server running"));
```

MongoDB.com

Sign in with google page

Goto over view in left panner

Connect to DB by connecting Mongo DB for VS code

3. Connect to your MongoDB deployment.

Paste your connection string into the Command Palette.

```
mongodb+srv://[REDACTED]<password>@cluster0.41uuf3v.mongodb.net/
```



MongoDB.com

1. By giving the command npm start in the servers folder-> DB will be Connected
2. After Connecting to DB now we need to Start the Server by giving the command ng serve in the src folder

```
D:\pscsmr\todo\server>npm start
> nodeexpress@1.0.0 start
> node server.js
Server running
DB connected
```

```
✓ Compiled successfully.
✓ Browser application bundle generation complete.
5 unchanged chunks

Build at: 2023-08-23T07:29:44.049Z - Hash: 082046d6308a

✓ Compiled successfully.
```

3. Now By giving localhost:4200 we will get our desired outcome

Thank You

Presented By :

