



EDUREKA

FULL STACK WEB DEVELOPMENT

CURRICULUM



CONTENT

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HTML, CSS AND Bootstrap From Level 0

Build a Static Version of Zomato Like Website

Interview Preparation Module 1 (HTML + CSS + Bootstrap)

Mini Project - Netflix Homepage

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MODULE 2

Javascript

Making The Zomato Like Website Dynamic Using Javascript

Interview Preparation Module 2 (Javascript)

Mini Project - Weather App

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MODULE 3

NodeJS

ExpressJS

MongoDB

Building Backend Of Zomato Like Website Using Node Js, Express Js

Make Database For The Zomato Like Website Using Mongodbs

Interview Preparation (Nodejs, Express js, MongoDB)

Mini Project - Video Streaming Platform

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MODULE 4

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 - Payment Gateway
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 - Building And Styling The Responsive/dynamic Version Of Zomato Using ReactJS
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MODULE 1



HTML, CSS and Bootstrap From Level 0



Build a Static Version of **Zomato Like Website**



Interview Preparation Module 1
(HTML + CSS + BOOTSTRAP)

Class 0 - Basic Introduction



- Git and GitHub
- Edureka Learning Management System Walkthrough
- Introduction with Instructors, Mentors, and Teaching Assistants
- Job Related Information / Tips to Crack Interviews
- Understanding how website like Zomato is built

Week 1

HTML



- HTML Basics
- HTML Title, Meta, Img, Div, Span Tags
- Block Level, Inline Level, Inline Block Level Elements
- Dropdown, Input tag, Buttons, Heading tags, Paragraph tag
- Table, List tags, Anchor tags, Forms



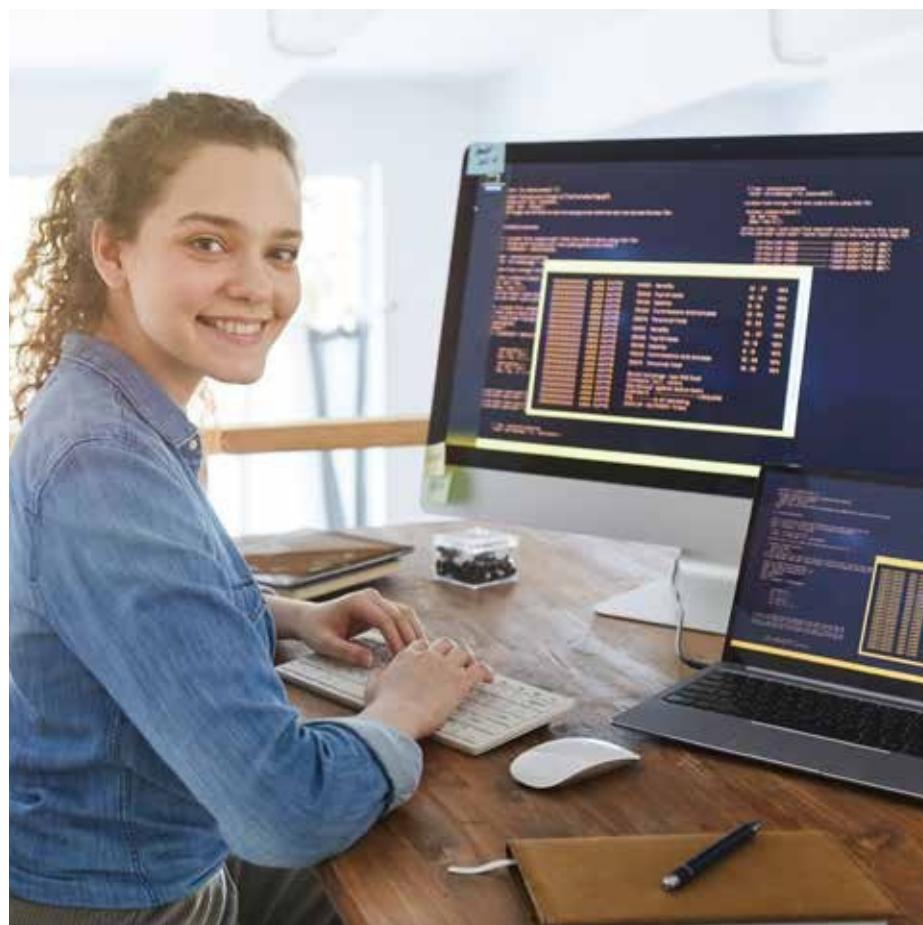
Building Static Version of Zomato Like Website Using HTML



Week 2

CSS

- CSS Basics
- CSS - Inline, Internal, and External
- Selectors
- Dimension
- Display
- Background
- CSS Box Model
- Border
- Margin
- Padding
- Position
- Z-Index
- Font-Style



Styling the Static Version of Zomato Like Website Using CSS



Bootstrap

Week 3,4 **Bootstrap**

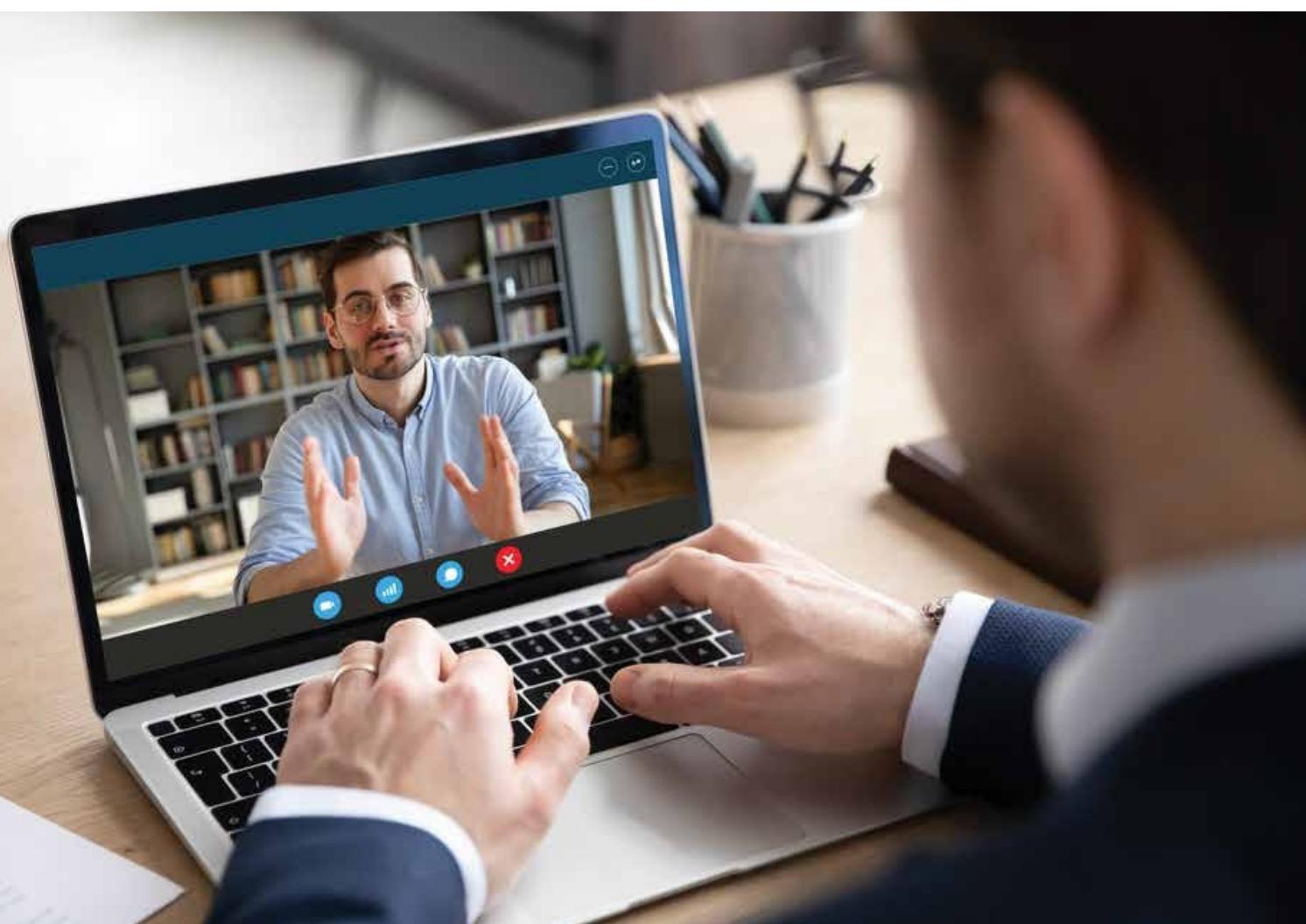
- Responsive Web design
- Breakpoints
- @media Rule
- Debug CSS via Browser
- Bootstrap Introduction
- Bootstrap vs. Media queries
- Include Bootstrap in HTML
- Bootstrap using cdn
- Breakpoints in Bootstrap
- Containers
- Bootstrap Grid System
- Bootstrap Flex
- Bootstrap Navbar
- Bootstrap Collapse
- Bootstrap Typography
- Bootstrap Images
- Bootstrap Buttons
- Bootstrap Button Groups
- Bootstrap Icons
- BS Dropdowns
- BS Form Control
- BS Inputs Group
- BS Carousel
- BS Tables
- BS Utilities



Making the Zomato Like Website
Responsive Using Bootstrap

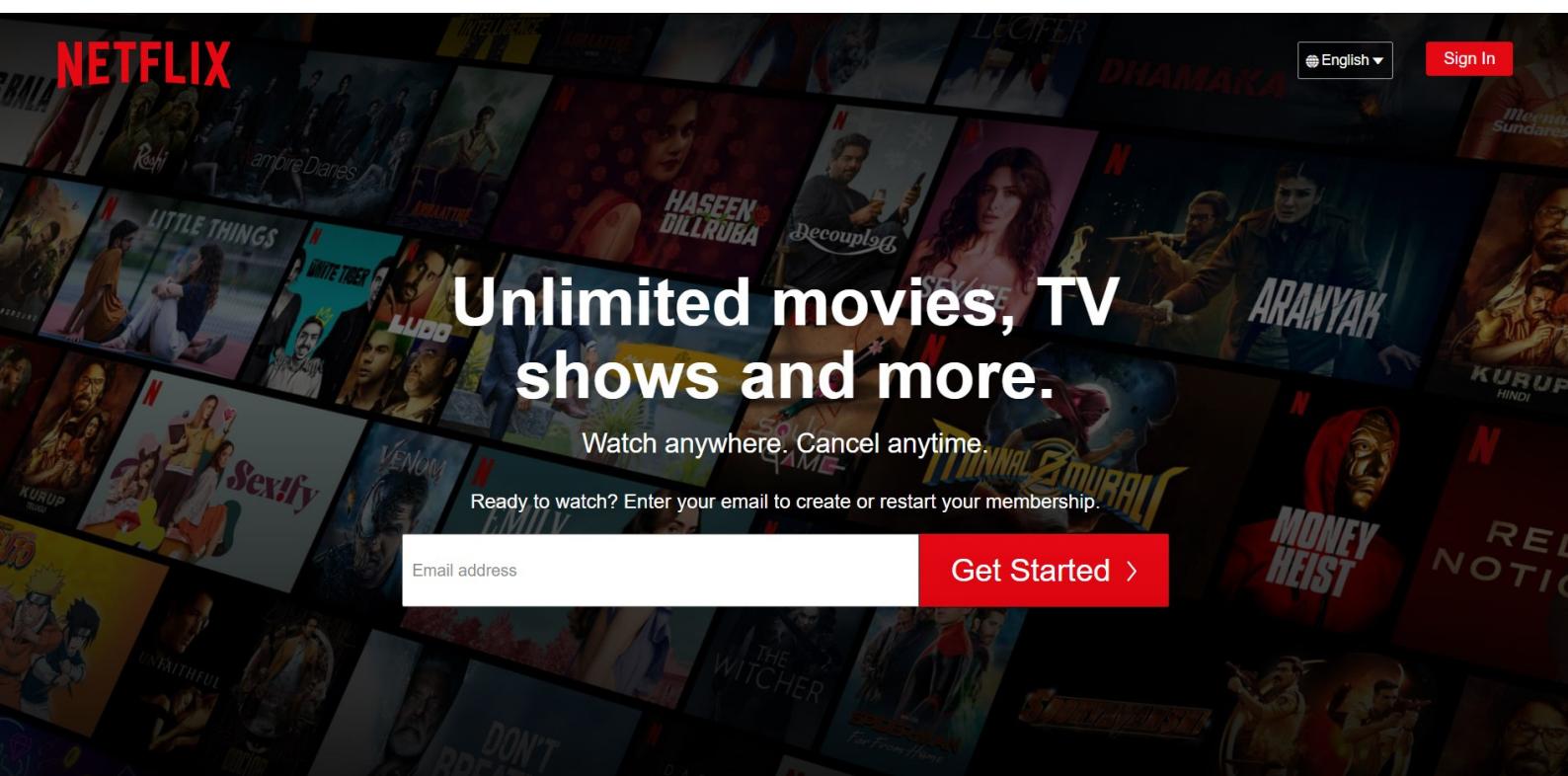
Interview Preparation

Module 1 (HTML + CSS + BOOTSTRAP)



HTML CSS Bootstrap Mini Project

Build a Static Netflix Homepage

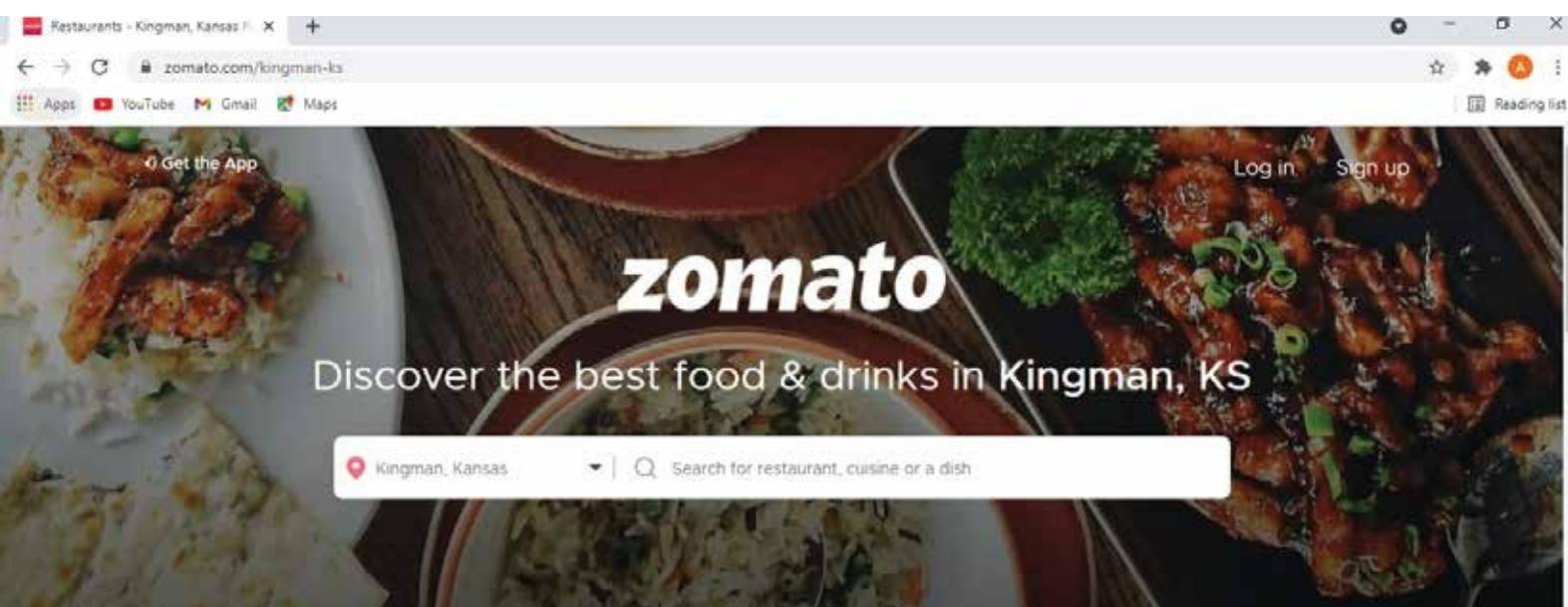


HTML CSS Bootstrap Certificate

Upon completion of this project



MODULE 2



Javascript



Making the **Zomato Like Website Dynamic** Using Javascript



Interview Preparation Module 2 (Javascript)



Week 5,6,7

Javascript

- Intro to JS
- Why JS
- Integration of JS
- JS Variables
- Data Types
- Operators
- Conditional Statements
- I/O Statements
- Classes & Objects
- Array
- Array Operation
- String
- String Operations
- Loops
- DOM Manipulation
- Math object
- Date object
- Ternary Operator
- Form Validation
- ES5, ES6 & Difference
- let, var & cons
- Template string
- this keyword
- Arrow functions
- default params
- IFFE
- Query string
- Object Destructuring
- Hoisting
- Callback Functions
- Promises
- Async/Await
- Cookies
- Session Storage
- Local Storage
- Concise Functions
- Spread Operator
- Rest Operator
- Debug JS using Browser
- Data Structures & Algorithms



Making the Zomato Like Website Dynamic Using Javascript

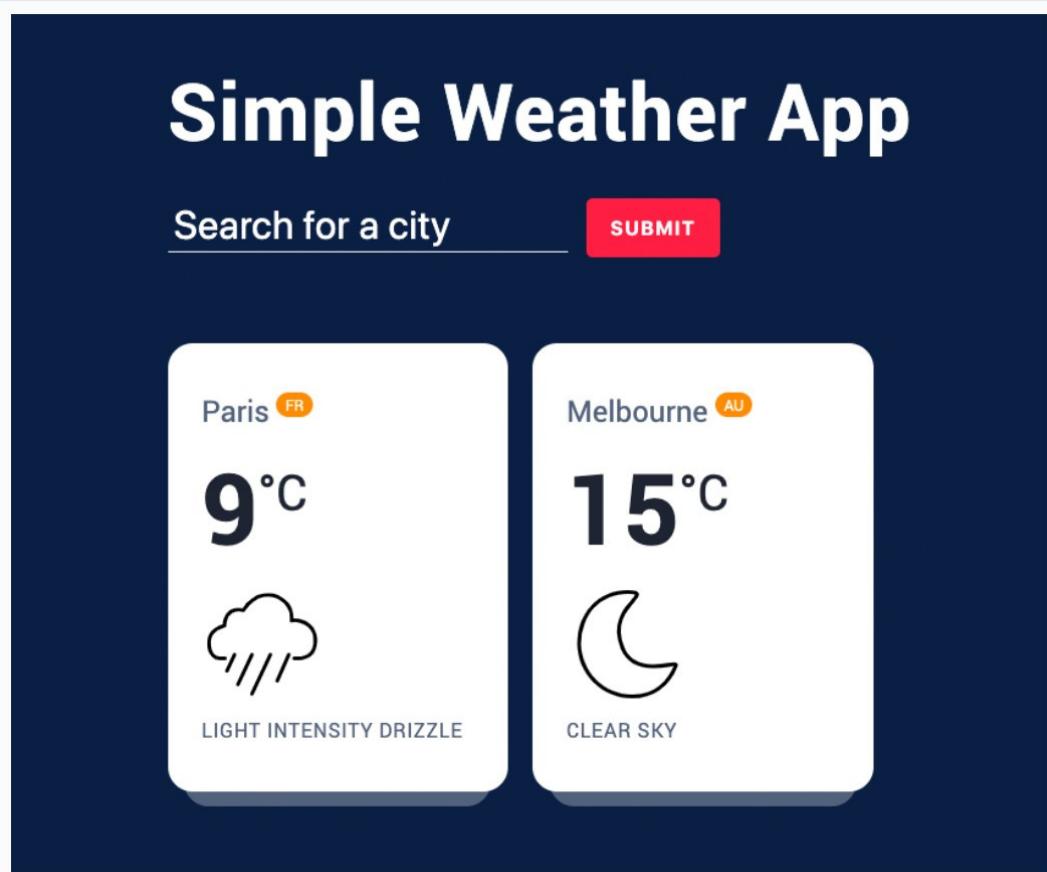
Interview Preparation

Module 2 (JAVASCRIPT)



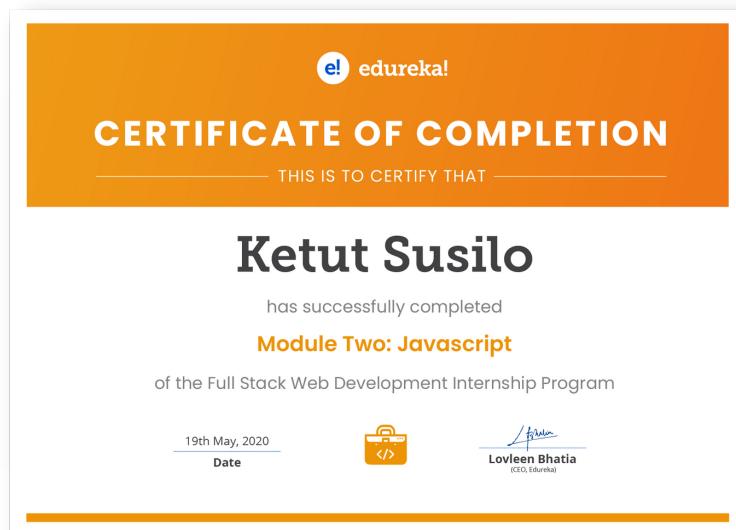
JavaScript Mini Project

Build a Weather App

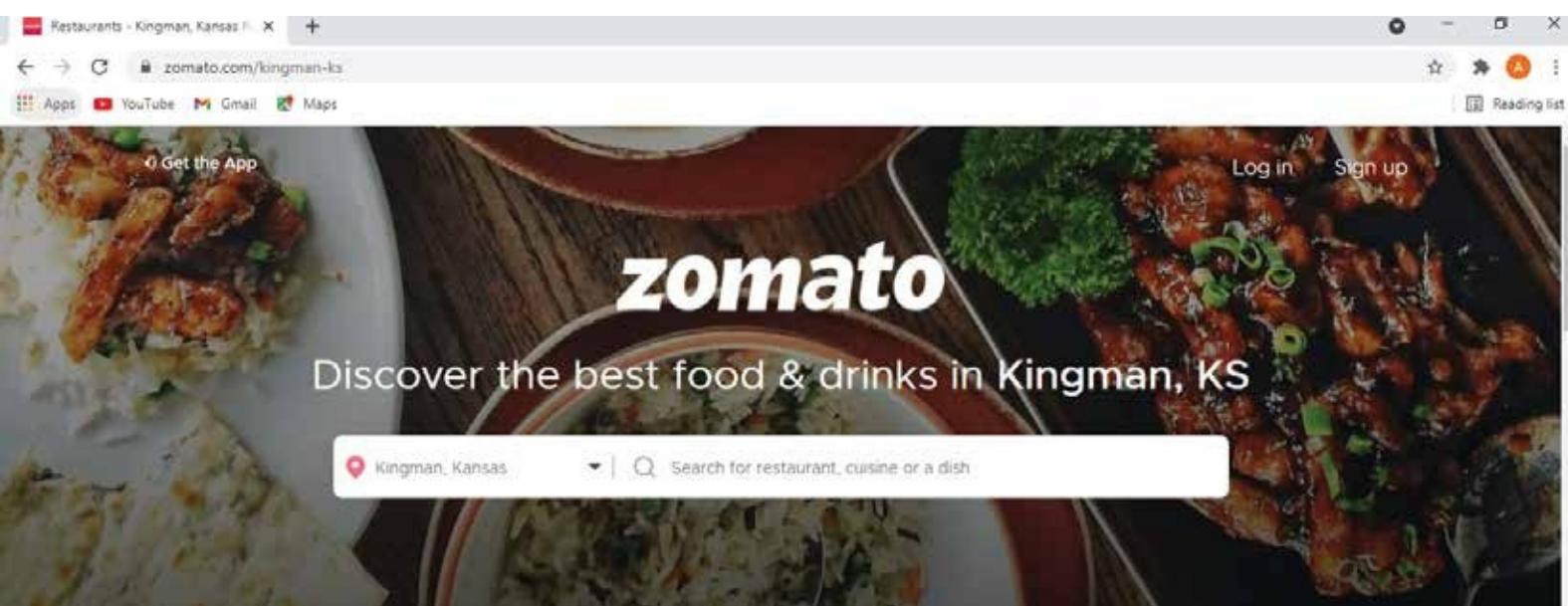


JavaScript Certificate

Upon completion of this project



MODULE 3





Week 8

NodeJS

- Backend development
- Node.js and its installation
- Single and multi thread model
- Module
- How to import a module
- Main types of modules
- Import npm packages
- Local and global packages
- Request & Response in server
- Nodemon
- Postman
- Verbs in API (GET, POST, PUT, DELETE)
- Status Codes



Building Backend of Zomato Like Website
Using Nodejs

Week 9

ExpressJS

The logo for Express.js, featuring the word "Express" in a light gray sans-serif font and "JS" in a bold black font inside a yellow square.

- Express node.js (features and installation)
- Body parser
- Get and post Rest API
- Client server connection using express
- Routing using node.js (express js)
- MVC Architecture
- Intro to Debug API's in Chrome
- Inspect Panel
- Elements
- Console
- Sources
- Network
- Application
- Performance
- Request Params



Building Backend of Zomato Like Website
Using Expressjs



Week 10,11 MongoDB

- Databases, Types of DB, Base Routes
- MongoDB
- MongoDB client server connection
- ObjectId
- CORS
- MongoDB compass
- MongoDB compass installation
- MongoDB compass dashboard
- CRUD operations
- Data modelling (approach and perspectives)
- Types of data models (flat, star, hierarchical, relational and object-relational)
- MongoDB architecture
- Data modelling in MongoDB
- Connecting MongoDB and node.js
- MongoDB CRUD operations
- Read and write operations
- Write concerns and their levels
- Bulk inserts in MongoDB
- Parameterizing API based on user search



Make Database for the Zomato Like Website Using Mongodb

Interview Questions

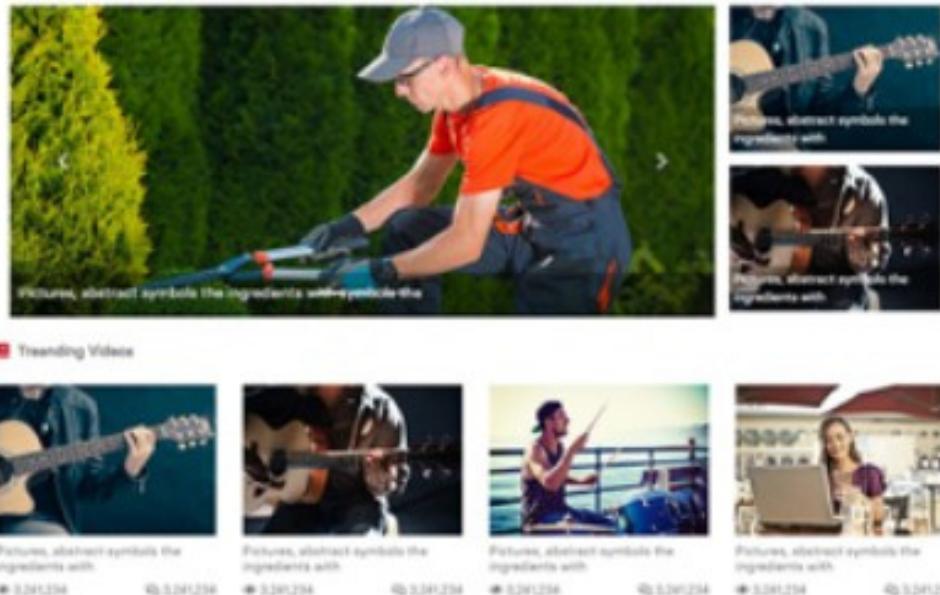
(Nodejs, Express js, MongoDB)



NodeJS ExpressJS MongoDB

Mini Project

Build Backend of a Video Streaming Platform



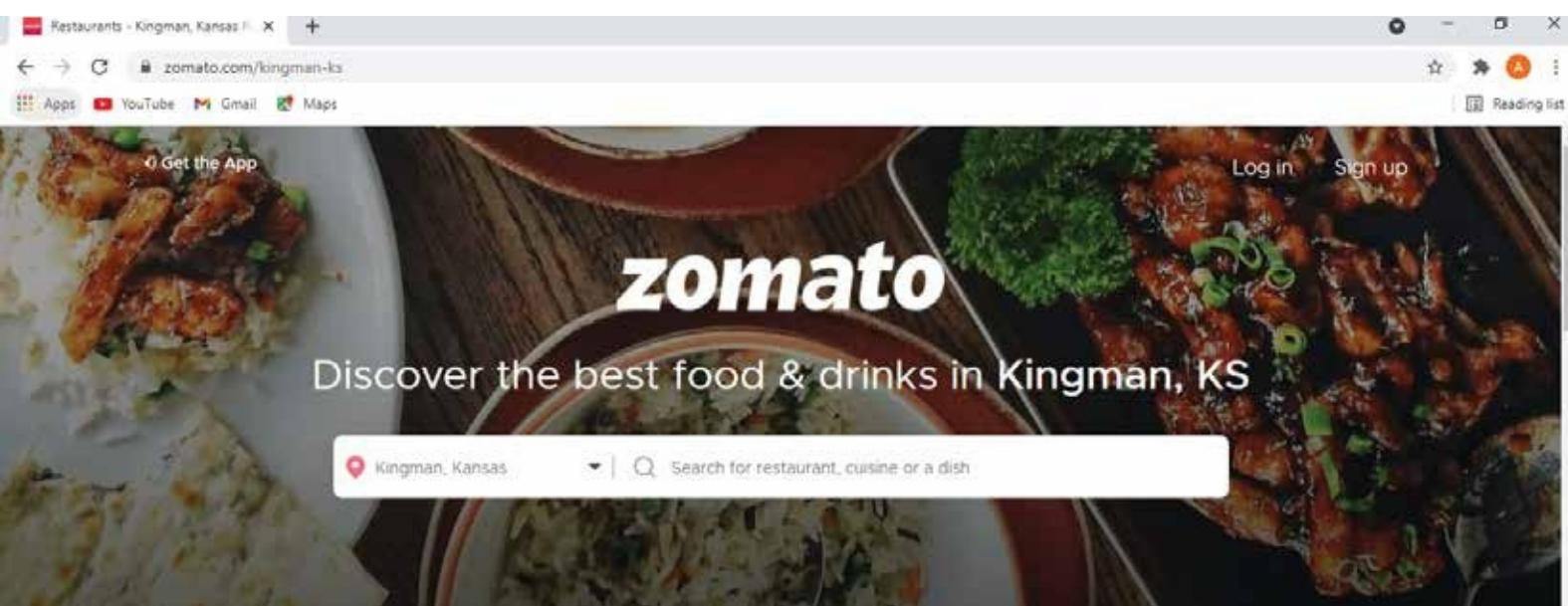
- List Multiple Videos
- Fetching Videos
- Click on the link to play them

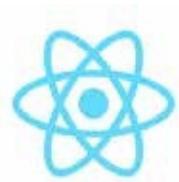
NodeJS ExpressJS MongoDB Certificate

Upon completion of this project



MODULE 4





Week 12 to17 **ReactJS**

- React
- MVC architecture
- React and its features
- React architecture
- Virtual DOM
- NPM
- Package.json
- Installation
- JSX
- React elements
- Render function
- Components of React
- Props
- States
- Component lifecycle(mounting, updating and unmounting)
- React bootstrap typeahead
- Passing values between the components
- Conditional rendering



- Ternary operator
- Iteration inside JSX
- React components for Home Page
- Location dropdown functionality
- Restaurant Search Box functionality
- Quick Searches onClick navigation functionality
- React Modal
- SignUp
- Login
- React Components for Filter Page
- Search Location dropdown
- Cuisines checkbox functionality
- Prices radio buttons functionality
- Sort functionality
- Pagination functionality
- React responsive carousel
- React tabs
- Routing
- React router and its features
- Configuring the application components



- import components
- Navigation using links
- 404 page and its configuration
- URL parameter and their configuration
- Dynamic routing
- Query string
- React Modal onClick of Place online order button
- List of Menu's for the restaurants
- Add / remove menu item
- Subtotal Calculation
- React Forms



Building and Styling the Responsive/
Dynamic Version of Zomato using Reactjs

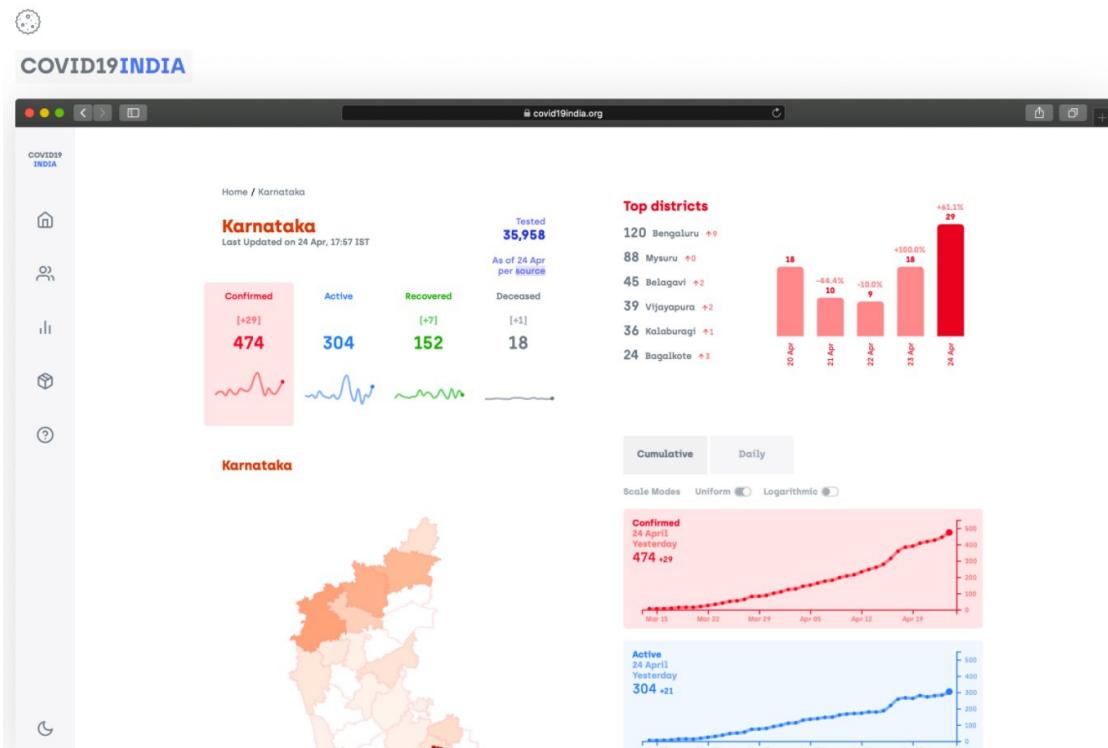
Interview Questions

(ReactJS)



ReactJS Mini Project

Build a Covid Tracker App



ReactJS Certificate

Upon completion of this project



Week 18

Payment Gateway



- Payment Gateway
- Material UI library

Week 18

Deployment



- Deployment
- Heroku
- Domain
- Hosting



Which versions of the technologies we will be using?



Tech	Version
HTML	5
CSS3	3
BOOTSTRAP5	5
JAVASCRIPT	ES5 and ES6
NODEJS	V16
EXPRESSJS	V5
MONGODB Atlas	Cloud
REACTJS	V17





Evaluations:

After completion of course, final evaluations are conducted:

1

Final **project submission**.

2

Second **additional project submission** (optional).

3

Mock interview round taken by Full Stack Web Development Industry Expert





Certifications:

You will get one of the three certificates based on your performance in evaluation:

**1**

Course Completion Certificate
(Attending evaluation is NOT mandatory)





Certifications:



2

Internship Certificate

(Attending evaluations is mandatory for this)





Certifications:



3

Super Intern Certificate
(Attending evaluation is mandatory)





Placement Assistance:

1

Online Portfolio building

2

Resume building

3

Personality Skill development session

4

Increasing online visibility on platforms like linkedin, naukri, etc.

5

Additional Interview Preparation **study Material**

6

Placement assistance by referring to Edureka's Partner Hiring Companies





EDUREKA

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