Welcome to the Codecademy Full Stack Developer Bootcamp for Beginners

We're excited to have you on board for this journey, starting **12ᵗʰ August 2025**. To help you get started smoothly, here's everything you need to know:

BOOTCAMP SCHEDULE:

Session Days: Wednesday and Saturday

Session Timings (Across Time Zones):
>**India (IST):** Wednesday & Saturday, 6:30 AM – 9:30 AM
>**US Eastern Time (ET):** Tuesday & Friday, 9:00 PM – 12:00 AM (midnight)
>**US Pacific Time (PT):** Tuesday & Friday, 6:00 PM – 9:00 PM
>**UK (GMT):** Wednesday & Saturday, 2:00 AM – 5:00 AM
>**EU (CET):** Wednesday & Saturday, 3:00 AM – 6:00 AM

IMPORTANT UPDATES & COMMUNICATION

Please note, all updates regarding live sessions will be posted in the **#announcements** channel of the discord server. Make sure to check Discord regularly!

LIVE SESSIONS VIA ZOOM

- You must have a **Zoom account** to join the live sessions.
- Please set your **Zoom username** to your real name for easy identification.

HOW TO JOIN THE ZOOM SESSIONS?

1. Log into your **Codecademy dashboard** and navigate to **My Home** (top menu).
2. Find your **enrolled bootcamp** and check the upcoming session.
3. Click **"Next Session"** to open the bootcamp schedule page.
4. The **session link activates 5 minutes before**—click it and join!

In case of any issues, a backup Zoom link will be shared via Discord.

SESSION RECORDINGS

Missed a session? No worries!
- Recordings will be available on the **bootcamp schedule page**.
- Click on a **past session** to view the recording anytime.

- Past session links will be posted in #announcements channel of the Discord server within 24 hours.

Your **Code Pro access** will be activated on **11th August (Monday)**. If it's not activated, please reach out to me via **Discord DM**.

To ensure a smooth experience, here are a couple of important notes:
- If you already have an active **Pro subscription**, please write to us once your current subscription ends so we can extend your **12-month access**.
- If you're currently on a **trial plan**, you can let the trial expire without making a payment. Once it ends, let us know and we'll activate your Pro access.

Let's gear up for an exciting learning journey! If you have any questions, feel free to ask in the **#general** channel. See you in the first session!

Course Curriculum

Week #	Week Title	Session #	Session-wise Overview
Week 1	HTML Fundamentals	Session 1	Onboarding + IDE, AI for Learning, Intro to Web Development. HTML5 Document Structure, Doctype, Elements, Attributes, Emmet, W3C Validator. Semantic Elements, inline, block
		Session 2	Headers, Paragraphs, and MDN Docs. Tables, Lists, Links and Navigation. Office Hours
Week 2	HTML & CSS Fundamentals & Layout	Session 3	HTML Forms & Input Types. PROJECT: Personal Bio Page HTML Only. CSS Basics: Selectors, Rulesets, Properties
		Session 4	Box Model. Typography, Colors, Display & Position. Office Hours
		Project	PROJECT: Personal Bio Page HTML Only
Week 3	CSS Fundamentals & Layout	Session 5	Chrome Dev Tools Intro. Flexbox. CSS Grid Layout
		Session 6	Specificity, Responsive Design with Media Queries. PROJECT: Styled Landing Page. Office Hours
		Project	PROJECT: Styled Landing Page
Week 4	Advanced CSS & Frameworks	Session 7	CSS Animations. Transitions, Transform, Advanced Selectors, Pseudo-elements. Intro to UI Frameworks/Libraries

		Session 8	Bootstrap Fundamentals: Components, Utilities, Grid System. Tailwind Fundamentals. Office Hours
Week 5	CSS Wrap-up, Git & JavaScript Fundamentals	Session 9	Google Fonts, Font Awesome. PROJECT: Major Project #1 - Responsive design with animations. Git and Github Fundamentals: Installation, Repository Setup, Account Setup
		Session 10	Git Basic Commands, Branching and Merging. JavaScript Basics: Variables(let/const/var), Data Types. Office Hours
		Project	PROJECT: Major Project #1 - Responsive design with animations
Week 6	Git & JavaScript Fundamentals	Session 11	Operators, Control Flow, Loops, Conditionals. Functions, Scope. Debugging Intro
		Session 12	GitHub Portfolio Setup. PROJECT: GitHub Portfolio Setup & Interactive Calculator. Office Hours
		Project	PROJECT: GitHub Portfolio Setup & Interactive Calculator
Week 7	Advanced JavaScript & DOM	Session 13	Arrow Functions, Higher Order Functions. Arrays and Array Method. Objects and Object Methods
		Session 14	Destructuring, Spread Operator. DOM Selection, Manipulation. Office Hours
Week 8	Advanced JavaScript & APIs	Session 15	Events - Handling, Bubbling, Event Loop. Form Processing, Local Storage. PROJECT: Todo List App
		Session 16	Working with APIs, Fetch API. JSON, Error Handling. Office Hours
		Project	PROJECT: Todo List App
Week 9	Async JavaScript & APIs	Session 17	Callbacks, Promises, Async/Await
		Session 18	Exploring Free APIs, Postman. Multiple API calls, Data Processing. Office Hours
Week 10	API Integration & React Intro	Session 19	PROJECT: Vanilla JS frontend, API integration with one or more APIs. Introduction to React and the Virtual DOM, React vs Vanilla JS. JSX, Components, Props
		Session 20	State Management with useState. Thinking in React. Office Hours
		Project	PROJECT: Major Project #2 - Vanilla JS frontend, API integration with one or more APIs
Week 11	React Fundamentals	Session 21	Event Handling. Conditional Rendering. React Lists and Keys, Forms in React

		Session 22	PROJECT: React Counter & Todo App. Component Lifecycle with useEffect. Office Hours
		Project	PROJECT: React Counter & Todo App
Week 12	Intermediate React & Routing	Session 23	Side Effects, Cleanup. Custom Hooks. React Dev Tools and Debugging
		Session 24	React Router Setup. Routes, Links, Navigation. Office Hours
Week 13	React Routing & State Management	Session 25	URL Parameters, Protected Routes. PROJECT: Multi-page React Application. Context API - useContext
		Session 26	Global State Management, Redux Part 1. Global State Management, Redux Part 2. Office Hours
		Project	PROJECT: Multi-page React Application
Week 14	React Performance & Best Practices, State Wrap-up	Session 27	useReducer Hook. Updating Objects, Arrays, and Queuing. Component Optimization, Performance & Best Practices Part 1
		Session 28	Component Optimization, Performance & Best Practices Part 2. PROJECT: Major Project #3 - React App with routing, hooks, and state management. Office Hours
		Project	PROJECT: Major Project #3 - React App with routing, hooks, and state management
Week 15	Backend with Node & Express	Session 29	Introduction to Node.js. NPM, Module System. HTTP Concepts
		Session 30	Express.js Setup. Express Routing. Office Hours
Week 16	Express & MongoDB Basics	Session 31	Middleware, Request/Response Objects. Static Files, Error Handling. PROJECT: Express API
		Session 32	Introduction to NoSQL. MongoDB Basics, Document Structure. Office Hours
		Project	PROJECT: Express API
Week 17	MongoDB & Mongoose	Session 33	MongoDB CRUD Operations. Database best practices. Mongoose Setup
		Session 34	Schemas, Models, Validation. Relationships, Population. Office Hours
Week 18	MongoDB, REST APIs & Cloud	Session 35	PROJECT: Connecting Express to MongoDB with Mongoose. Cloud Services Overview - AWS, Azure, Google Cloud. DotEnv / Environment Variables
		Session 36	MongoDB Atlas Setup. REST APIs in Depth, RPC vs REST. Office Hours

		Project	PROJECT: Connecting Express to MongoDB with Mongoose
Week 19	REST APIs & Authentication Basics	Session 37	Advanced Rest Concepts. API First Design, Auto Generating Docs. Using Protected APIs
		Session 38	PROJECT: RESTful API with 3rd Party API Integration and MongoDB. User Authentication Concepts & Password Security with Bcrypt. Office Hours
		Project	PROJECT: RESTful API with 3rd Party API Integration and MongoDB
Week 20	Authentication & Security	Session 39	JSON Web Tokens (JWT) - Structure, Signing, Verification. JWT Implementation - Login/Register Routes. Protected Routes & Middleware
		Session 40	Authorization vs Authentication, Role-based Access. Security Best Practices - HTTPS, Environment Variables, Input Validation. Office Hours
Week 21	Securtiy Wrap-up, Full Stack Integration	Session 41	OWASP Top 10. Major Project #4 - Complete RESTful API with 3rd Party API Integration, Authentication, and MongoDB. Connecting React to Express API
		Session 42	Axios Configuration + CORS. Environment configuration. Office Hours
		Project	PROJECT: Complete RESTful API with 3rd Party API Integration, Authentication, and MongoDB
Week 22	Software Development Lifecycle & Full Stack Authentication	Session 43	Authentication Flow in React. Protected Components. Error Handling & Loading States
		Session 44	PROJECT: Full Stack Authentication - Complete login system integration. SDLC Overview. Office Hours
		Project	PROJECT: Full Stack Authentication - Complete login system integration
Week 23	Agile, Prototyping & MERN Planning	Session 45	What is Agile?. Stories and Acceptance Criteria. Ceremonies and Artifacts, Prototypes and Wireframes
		Session 46	MERN Architecture Planning. Project Setup. Office Hours
Week 24	Backend Authentication and Frontend Architecture	Session 47	Database Design with Mongoose, Authentication.
		Session 48	User interface design. Component architecture. Office Hours
		Project	PROJECT: Backend setup with authentication

Week 25	Final Project Frontend	Session 49	State management implementation. API testing with Postman. Unit testing with Jest
		Session 50	E2E Testing with Playwright. Work on Final Project. Work on Final Project and Q&A
Week 26	DevOps Fundamentals & Project Deployment	Session 51	Cloud Deployment Providers and Overview. Development vs Production Environments, Build Processes, Observability. Frontend vs Backend Deploys, CORS in Production, Environment Variables
		Session 52	Final Project Deployment Work. Technical Interview Strategies. Coding challenges practice, Behavioral Questions
Week 27	Career Preparation & Graduation	Session 53	Mock interviews, Portfolio Presentation Techniques. Technical Interview Practice Assignments. Resume Building & Job Search Strategies - Professional resume creation
		Session 54	LinkedIn optimization, job search platforms, networking strategies, and application best practices. Complete professional resume and LinkedIn profile. Final Presentations & Graduation Ceremony
		Project	Final Presentations & Graduation Ceremony