Building a REST API in JavaScript with Express:

Introducing the REST API Stack



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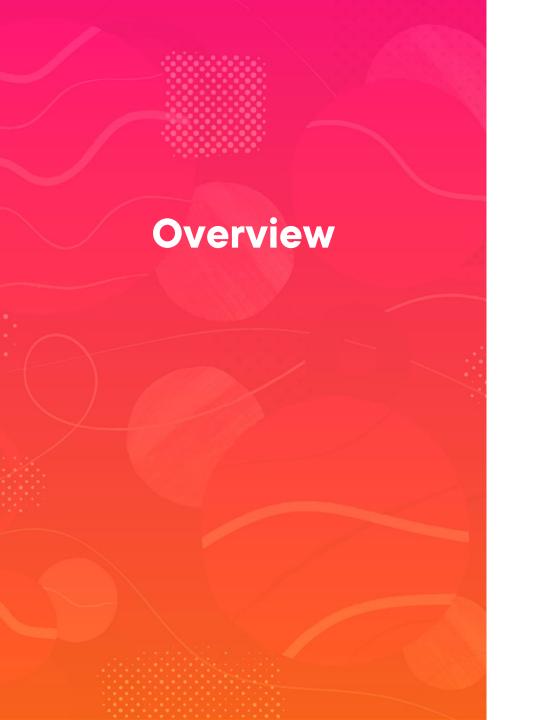




In this course we are going to **build** a simple **CRUD REST API** app using **Node.js**, **JavaScript**, & **Express**.

We will build REST API containing a list of items.

We will be able to **create**, **read**, **update**, & **delete** items in our list via our REST API.



Exploring JavaScript, Node.js, & Express
Initialize a Node.js Project & Install Express
Constructing a Web App with Express &
JavaScript

Exploring JavaScript, Node.js, & Express





Exploring JavaScript

JavaScript is a scripting language enabling you to create dynamic content, control multimedia, animate images, & much more across web, desktop, and mobile platforms

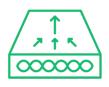
Features of JavaScript



Object-Centered Script Language



Statements Looping



Client edge Technology



Ability to perform In Built Function



Interpreter Centered



Handling Events



Exploring Node.js

Node.js is an open-source JavaScript runtime environment that is cross-platform, asynchronous, & event-driven used to build fast & scalable server-side apps

Features of Node.js



Open Source



Single-Threaded



Asynchronous



No Buffering

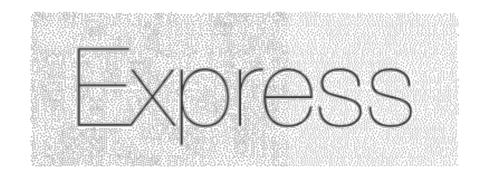


High Scalability



Cross-Platform

Exploring Express



Express.js is a lightweight & flexible opensource framework for Node.js supporting web or mobile development. It manages routing, sessions, HTTP/S requests, error handling & more.

Features of Express.js



HTTP utility methods & middleware to ease building API's



Model-View-Controller (MVC) architecture based



Faster web development



Integration with databases such as MongoDB, Redis, MySQL



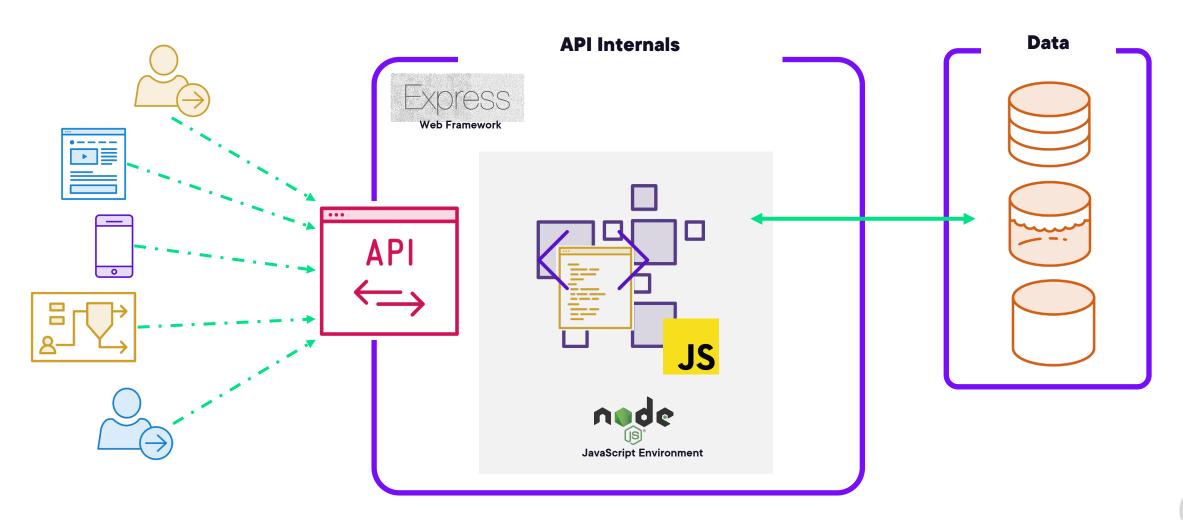
Provides templating engines: Jade & EJS



Simplifies app configuration & customization



Bringing it All Together - The REST API Stack





Initialize a Node.js Project & Install Express



Demo

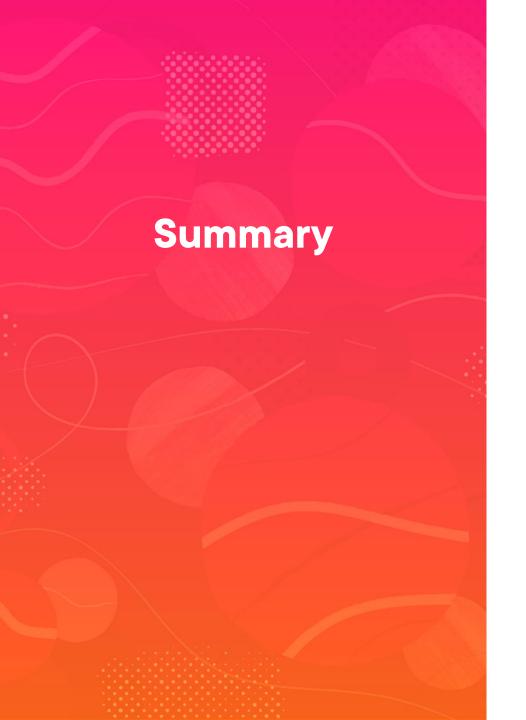
Demo: Initialize a New Node.Js Project & Install Express

Constructing a Web App with Express & JavaScript



Demo

Demo: How to Construct a Web App With Express & JavaScript



In this module we covered:

- A review of JavaScript, Node.js, & Express
- How you can initialize Node.js & install Express to be ready for hosting your REST API
- And how to construct a Web App with Express& JavaScript & test its endpoint

Why this is important?

 Regardless if you are a beginner or intermediate learner this module serves as a solid foundation for the next two modules.
 You saw an example of initializing Node.js & installing Express. Knowing this will support you on the rest of your journey through this course. **Up Next:**

Setting Up the REST API Project

