Express

Express is a minimal and flexible Node.js web application framework that provides a robust set of features for web and mobile applications.

REST API

REST is acronym for **RE**presentational **S**tate **T**ransfer. It is architectural style for **distributed hypermedia systems** and was first presented by Roy Fielding in 2000.

API is the acronym for Application Programming Interface, which is a software intermediary that allows two applications to talk to each other. Each time you use an app like Facebook, send an instant message, or check the weather on your phone, you're using an API.

When you use an application on your mobile phone, the application connects to the Internet and sends data to a server. The server then retrieves that data, interprets it, performs the necessary actions and sends it back to your phone. The application then interprets that data and presents you with the information you wanted in a readable way. This is what an API is - all of this happens via API.

Express is used to create REST API.

Installation

- Assuming you've already installed Node.js, create a directory to hold your application, and make that your working directory.
- Use the npm init command to create a package.json file for your application
- Now install Express in the myapp directory and save it in the dependencies list

    npm install express - -save

Hello world program

Let us Write our first program in Express.

Create express application

const express=require("express");

const app=express();

This "app" object, which is traditionally named app, has methods for routing HTTP requests, configuring middleware, rendering HTML views, registering a template engine, and modifying application settings that control how the application behaves

Assign port number

const port=3000;

app.listen(port,()=>{ console.log(` app listning on ${port}})

Define a route:

Syntax:

app.METHOD(path ,request handler)

Here,

app - Its express object

path – path of request

request handler- To handle request of client

Ex:

app.get("/",(req ,res) => {

res.send({message :"Hello world "})

})

Error handling in express app

Plz visit the my article on this

https://www.linkedin.com/pulse/error-handling-express-application-rajesh-t