

Assignment Name - Basic Node Js and REST API

Problem Statement -

As a solution to this problem statement, you have to create an Express MVC based REST API for a Ecommerce website. Take ideas from [flipkart.com](https://www.flipkart.com) or [amazon.in](https://www.amazon.in). The API should have following features -

- 1) API to list products, create a product, view information of a particular product, delete a product, edit a product etc.
You can think of more API by taking reference from above mentioned websites.
Extra skill score will be given for this intuitive thinking
- 2) API to add products to cart and remove products from cart.
- 3) Create API documentation for all your APIs.

Here are some important points -

1. Strictly follow the project structure taught to you in the level.
2. Create your Models very carefully and with proper thinking
3. Create middlewares and libraries wherever required. You should also include the default middlewares and libraries described in the level.
4. Handle all the possible errors and make sure your application is not crashing.
5. Your submission must contain proper API documentation as taught in the level
6. Do not submit node_modules folder. Delete it from your submission. Just make sure your package.json file contains the list of all the modules you use. The mentor will run npm install using that package.json only.

Evaluation Basis

This project will be evaluated on following basis -

- 1) **JS code** - Your JS code should follow the best practices taught to you in the level and should use modern javascript as much as possible.
 - 2) **Intuitive Thinking and Creativity** - You will get marks for intuitive thinking and creativity. So try to be as creative as you can.
 - 3) **NodeJS and ExpressJS code** - Your NodeJS and ExpressJS code should follow the best practices taught to you in the level. You should also follow the application structure given in the video.
 - 4) **Originality of code** - Your code will be checked for plagiarism and if it's not original, it will be discarded with a negative skill score.
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Deliverables from Candidate

- 1) A Text File containing the link of Github repository containing all your code along with additional resources(if any) and documentation of your API
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Warning - Do not submit incomplete or wrong assignments. They will result in negative skill score. Also, you will not get a second attempt at the assignment! So whatever score you get will be the final score