

# Robust Express Application Assignment

## Problem statement -

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 signup, login, forgot password etc. use PassportJS if required.
- 2) 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
- 3) API to add products to cart and remove products from cart.
- 4) All APIs should give response in a proper standard format.

Create middlewares and libraries wherever you feel is required. Extra marks will be given for careful structuring of the project and quality of code. You have to follow all the guidelines taught in the sessions.

Host this code in a github repository as well and send the link of that repository in the submission.

Handle all error cases carefully to make sure that your nodejs application doesn't crash.

**Technologies to be used** - NodeJs, ExpressJs and MongoDB

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## Evaluation Basis

This project will be evaluated on following basis -

- 1) **Quality of JavaScript code** - Your application's Javascript code should be optimized to be readable with proper indentation and comments. It should be broken down into functions for better maintainability and it should not contain any logical bugs.

- 2) **Project MVC structure and design of schemas** - Extra skill score will be given for design of good schema and mvc structure of the application.
- 3) **Intuitive Thinking** - You have thinking intuitively and make the website as easy to understand as possible. You have think about all the possible error cases and you have to handle them by giving proper response to user.
- 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) Compressed Folder containing all your code.
- 2) A text file containing the link of your github repository.

Create a folder containing all these deliverables. Compressed all these into a ZIP/RAR format and then upload it in the assignment page.

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**Warning** - Do not submit incomplete projects or projects that are not running. They will result in negative skill score. Always use support system in case of queries.

