# E-Commerce Website

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# INTRODUCTION:-

# E commerce project is a web application which will enable user to purchase a certain product from the given catalogue.

# Such web applications are used by various companies such as Amazon.in, Flipkart.in and various other companies.

# The purpose making of this website is that we user should be able to book a product conveniently.

# LITERATURE SURVEY:-

In today’s market there are various websites to book a commodity of your choice but the reason that this particular website will be more user friendly than others. Is due to the fact it uses modern front- end tools to make the layout of the website more attractive and hence a better customer satisfaction.

Also, the current web application uses Relational Database Management System such as MySQL to store information regarding the website but in this project, we are going to use MongoDB which is not a RDBMS and stores value in the form of key-value pair.

Not to forget that most of the old websites uses basic html for their layout but in this Project tools are based on JavaScript and various modern tools to make website more attractive and interactive.

The current existing websites also have some advantages such as they are old and tested, they use tools which are widely available across all web browsers.

# Problem Domain:-

In the present scenario the websites which are being used uses old framework for backend such as JSP, php etc , these frameworks though good in their own way lack various thing such as security, efficient and timely response from server and much more.

Speaking of front-end a lot of website uses basic html and JavaScript for their front-end work. Not to forget most websites are poorly made and their User Interface is not up to the mark which leads to less customer satisfaction and negative feedbacks for the website and hence poor image of the company.

Gone are the days of using RDBMS as your database these databases are going extinct and companies are adopting for new ways to store the data.

# Solution Domain:-

By considering the above drawbacks we have made significant improvement in our website which will give at an edge over its competitors.

To make the backend faster we will be using Node.js which is considered much faster than its alternatives.

For front-end we will be using JavaScript for better and efficient layout and also make the code less complicates.

Instead of RDBMS we will be using MongoDB which is considered more technologically advanced and is very recent to the market.

# System Domain:-

### FRONT-END

* HTML
* CSS
* JAVASCRIPT

### BACKEND

* NODEJS
* EXPRESS
* NPM PACKAGES

### DATABASE

* MONGODB
* BOOTSTRAP