

Online Shopping Platform

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- **About -**

We plan to create an E-commerce website where the retailers can list their products, and customers can buy those products online.

- **Features -**

- 1) Customer authentication,
- 2) Seller can upload product details (like price, image),
- 3) Categorised item view : search and filter (by price, ratings, brand),
- 4) Product review system,
- 5) Delivery tracking,
- 6) Wishlist, cart, and
- 7) Maintaining customer records for reviews and discounts.

- **Benefits -**

- 1) Convenient and time saving platform for both customers and sellers who wish to buy and sell items respectively anywhere/ anytime.
- 2) Increased advertising and marketing of retailers.

- **A plan for the project : milestones and deadlines -**

We plan to use NodeJs for the backend and Angular for the frontend.

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| Team formation, first sketch of the project requirements, and defining scope. | 7th March |
| Complete requirements & Analysis : Detailed enumerated english requirements, Complete ER diagram, forms, use cases in detail. | 15th March |
| Design Document : Normalised schema, Indexes, DDL, Data load scripts, SQL for transactions. | 20th March |
| Detailed Test Plan including load testing and Demonstration. | 5th April |
| Final report (everything so far + test results + load testing results + conclusions). | 10th April |

- **Relevant concepts in the DB course -**

Design Approaches, Normalization, Schema diagram and ER-diagram, SQL queries, Indexing, DDL.