**Project 1 : E-Commerce (similar to amazon)**

● Roles: Admin, User

● As user i can register

● As admin i can add/edit/delete products

● As admin i can add/edit/delete categories

● As admin i can specify product quantity

● As user i want to search for a product

● As user i want to have access to products by category

● As user i want to have the ability to add product to wishlist.

● As user i want to have the ability to buy multiple items of same product.

● As user i want to have the ability to change color of the products.

● As user i want to have the ability to pay online. \*\*\*\*\*\*\*

● As user i want to have the ability to specify the delivery type (delivered to

specific address or to trusted locations). \*\*\*\*\*\*\*

● As user i want to order products by price, brand, and rating. \*\*\*\*\*\*

● As user i want to have the ability to compare products. \*\*\*\*\*\*

● As user i want to have the ability to add review for a delivered product. ?????

● As user i want to have the ability to contact the support (chat messages). \*\*\*\*\*\*

● As user i want to have the ability to check the delivery status of the product.

**Extra Works:**

1. Add Seller as Role.
2. Unit testing.
3. Languages.
4. Penetration test.
5. Favorite Page
6. Delivery price for each country

**Pages:**

1. Login page
2. Register page
3. Profile page (Admin/User)
4. Products page (Admin)
5. Add Product page (Admin)
6. Edit Product page (Admin)
7. Category page (Admin)
8. Add Category page (Admin)
9. Edit Category page (Admin)
10. User page (Admin)
11. Orders Page (can edit on delivery status)
12. Home page
13. Cart Item page
14. Review page
15. Product page
16. Delivery page
17. Payment Page (Cash on delivery / credit card)
18. Rating and comments for product page
19. Chating page

**What should we learn ?**

1. ReactJs ( React router, Redux, …) (Ali)
2. NodeJs and Express (Yasser)
3. Mongo DB (Yasser)
4. Style Component (Ali)
5. Clean Code (Souzan)
6. Design (Souzan)

**Programs used :**

1. React js
2. Node js and express js
3. Mongo db Compase atlas
4. Figma
5. Jira
6. UML (Visio)
7. Power Point
8. Word
9. Github (Private)

**Data base:**

1. User
2. Name
3. Email (unique)
4. Password
5. isAdmin
6. Products
7. Name
8. ImageColor:{image: … , color: …}
9. Category
10. Price
11. CountInStock
12. Rating
13. Category
14. Name
15. Orders
16. OrderItems
17. Quantity
18. productId
19. UserId
20. Payment Method
21. itemsPrice
22. deliveryPrice
23. totalPrice
24. isDelivery
25. isPaid
26. deliveryAddress
27. fullName
28. address
29. city

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