**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. Orders Page (can edit on delivery status)
11. Home page
12. Cart Item page
13. Review page
14. Product page
15. Delivery page
16. Payment Page (Cash on delivery / credit card)
17. Rating and comments for product 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. Image (multiple: depends on the color)
9. Color (multiple)
10. Category
11. Price
12. CountInStock
13. Rating
14. Category
15. Name
16. Orders
17. OrderItems
18. Quantity
19. productId
20. UserId
21. Payment Method
22. itemsPrice
23. deliveryPrice
24. totalPrice
25. isDelivery
26. isPaid
27. deliveryAddress
28. fullName
29. address
30. city

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