Flipzon

1. Project Profile

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| **Project Title:**  **Project Definition:** | Flipzon  E-commerece website for basic and shopping of different products.It has mainly two sides – admin and client.  Admin can login and manages product categories and products itself and can view client orders.  Client can login and search through products and categories and buy them online. Thay can also maintain their shopping cart. |
| **Project Members:** | Nancy Kapadia  Nidhi Mehta  Bhavik Chavda  Dhaval Parmar |

* **Technical Details :**

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| **Front End** | : ReactJS |
| **Back End** | : NodeJS |
| **Database** | : MySQL |

Database Design

1.Role Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| RoleId | int(11) | Primary key | Auto  increment | Id of Role |
| Name | varchar(255) | - | - | Role name |
| Description | Varchar(255) | - | - | Description of role |
| Created At | datetime | - | - | Creation datetime of role |
| Updated At | datetime | - | - | Last modification datetime of role |

2.User Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| UserId | int(11) | Primary key | Auto  increment | Id of User |
| UserName | varchar(20) | - | - | userName of User |
| Password | Text | - | - | hashed password of user |
| Email | varchar(255) | - | - | Unique Email of user |
| contact | varchar(255) | - | - | Contact of user |
| Address | Varchar(255) | - | - | Address Of user |
| Role\_id | Int(11) | Foreign Key | - | Role of the user |
| Created At | datetime | - | - | Creation datetime of user |
| Updated At | datetime | - | - | Last modification datetime of user |

3. Product\_Category Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| CategoryId | int(11) | Primary key | Auto  increment | Id of category |
| Name | varchar(255) | - | - | category name |
| Description | Varchar(255) | - | - | Description of category |
| Created At | datetime | - | - | Creation datetime of category |
| Updated At | datetime | - | - | Last modification datetime of category |

4. Product Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| ProductId | int(11) | Primary key | Auto  increment | Id of Product |
| Name | varchar(20) | - | - | Name of Product |
| Price | Int(11) | - | - | Product Price |
| Main\_image | Text | - | - | Image of Product |
| stock | Int(11) | - | - | Total quantity of product |
| CategotyId | Int(11) | Foreign key | - | Category of product |
| Created At | datetime | - | - | Creation datetime of product |
| Updated At | datetime | - | - | Last modification datetime of product |

5. Product\_images Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| Product\_image\_Id | int(11) | Primary key | Auto  increment | Id of product image |
| image | Text | - | - | Product image |
| productid | int(11) | Foreign key | - | Id of product |
| Created At | datetime | - | - | Creation datetime of product image |
| Updated At | datetime | - | - | Last modification datetime of product image |

6. Order Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| OrderId | int(11) | Primary key | Auto  increment | Id of order |
| Userid | Int(11) | Foreign key | - | Id of user |
| OrderDate | datetime | - | - | Date when user confirm the order |
| Total\_price | Int(11) | - | - | Total cost of order |
| status | Varchar(255) | - | pending | Order status like pending,confirm,delivered |
| Created At | datetime | - | - | Creation datetime of order |
| Updated At | datetime | - | - | Last modification datetime of order |

7. Order\_details Table

| **Field** | **Datatype** | **Key** | **Default** | **Description** |
| --- | --- | --- | --- | --- |
| Order\_detail\_Id | int(11) | Primary key | Auto  increment | Id of order items |
| OrderId | Int(11) | Foreign key | - | Id of order |
| ProductId | Int(11) | Foreign key | - | Id of products |
| Quantity | Int(11) | - | - | Quantity of product |
| Price | Int(11) | - | - | Product price\*quantity |
| Created At | datetime | - | - | Creation datetime of order detail |
| Updated At | datetime | - | - | Last modification datetime of order detail |

* TimeLine

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| Dates(days) | Task | Language | Developer |
| 21-9-2020 to  22-9-2020(2 days) | -Requirement gathering  - scope definition  -database design  -model design | nodeJS  mysql database | Nancy kapadia  Nidhi Mehta  Bhavik chavda  Dhaval parmar |
| 23-9-2020  26-9-2020(4 days) | * client side api   -authentication  login  signup  logout  forget password  change password  -product&category management  Display product and category | Node js | Nancy kapadia |
| * client side api   -order management  Place order  Update order    -client-profile management  Edit client profile  Change password | Node js | Nidhi Mehta |
| * admin side api   -Products Management  Add Product and images  Edit Product  List Products  Delete Products  List of user and orders  -Admin authentication- Login  signup  Admin User  Forgot password  Change Password | NodeJS | Bhavik chavda |
| * Admin side api   -Manage Product Categories  Add  Update  Delete  List  -count api  Product  User  Order  -manage order  Display list,  Update status | Node js | Dhaval parmar |
| 27-9-2020 to   * + 1. (9 days) | * Client side design   - login page  -home page  navigation  Display Product and category  Filters  -product pages  Detailed products | React js | Nancy kapadia |
| * Client side design   -order page  Place order  Confirm order  -edit profile page  Change password page | React js | Nidhi Mehta |
| * Admin side design | React js | Bhavik chavda |
| * Admin side design | React js | Dhaval parmar |