

# Documentation

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## Requirements

### TYPES OF USERS

1. Buyers
2. Admin
3. Vendor

#### **Buyer**

- There will be login
  - login with Facebook/Gmail using there Api
  - login with Email with email authentication
  - login with Mobile number with mobile number verification.
  - Forget username/password for email and mobile number signin
- There will be categories and sub category lists(if any) depending upon the data inserted by admin.
  - For some category there will be sub category like
    - Fast Food will have Indian, Chinese, Continental
    - Groceries will have Oil Masala Toothpaste etc
    - And many more which is customisable
- Only those item will be displayed to the user which is deliverable to that user (calculated user lives withon dilivery range of item ).
- User can enter a custom location
- If user has viewed any item then it will be saved as a searched history for that user.(to be stored in DB so that data persist across device)
- User can save any item as buy it later option (to be stored in DB so that data persist across device)
- For category page there will be option for filter(Categories,price range) and sort (popularity,average rating,latest, low to high, high to low)
- For the Home Screen all Feature items will be displayed which was decided by admin.
- User can add item to cart (to be stored in DB so that data persist across device)
- At buy page enter address or use the saved one to proceed to payment process.
- User can add address and save it for future use
- Your can see all the ordered products
- There will be my Account Section where user can see and Edit there profile
- User can't change email or phone number if he/she has logged in with that.
- Mobile number or Email ID if added have to be verified first before proceeding to buy any new product
- User can browse items without login but he/she can buy any item iff the same is logged in
- If some item is out of stock then user will get a option of Notify me to get the notification if item is available(to be stored in DB so that data persist across device).
- User can save ir delete payment card details
- user can give rating and write review on any products
- can see all the users have put there items in cart (with details)
- vendor page will be there to give a brief idea about the vendor to the user

- We can give best Seller options depending upon the ratings
- We can have New Releases
- user can see Offered Products
- **User can opt for self pick and decide range upto which he/she can pickup**

## Admin

- Can add new categories or sub-categories(Notification will be send to vendors).
- Approve or deny any request of vendor for any item (send notification with approved or declined with proper message)
- Admin can delete or hide any item (Send proper reason for hiding/deleting product).
- Admin can see all the listed product by the vendor and his/her sales with statistics(Charts may be for better visualization)
- Admin can see purchase history and browsing history of the User
- Admin can send Notification to a particular users
- Admin can pause account of any user/vendor with proper notification to the same
- Admin can delete any rating and reviews of the customer
- Admin can approve or disapprove vendor's request of adding new category
- Admin can see all the pending items to deliver with some filters(vendor name,...) and sort(time, name...)
- **Admin will decide the minimum distance or minimum cost after which delivery rates will applied**

## Vendor

- Vendor Login same as users(give role to decide buyer,admin,vendor)
- Vendor can add new product (product must have location and delivery Range and Quantity with all other important details).
- Vendor can edit or delete existing products
- Vendor can request admin to add new category or subcategory
- Vendor can see all his listed product and quantity remaining
- Vendor can increase or decrease quantity of existing product
- Vendor can disable any items listed by him/her
- **Vendor can disable his account and if some user is current viewing his product it will give a proper message and should take him back to previous page**
- Vendor can see all the pending orders from the lists
- Vendor can give offers and promocode to the user
- Vendor can send Notification of there new offers
- **Vendor will decide if the item he/she added is returnable or not**
- **Vendor can see the items he gets as a return.**
- **Vendor can update the timing delivery of any particular item**

## Questions

- is there any accept feature for dealers like in Zomato Swiggy
- if some user post item it should be validated by admin
- Chat Option between vendor and user(Chat bot)
- How is delivery managed if its from some third party then we can give tracking feature

## Models

## Buyer

```
{
  _id:String,
  firstName:String,
  middleName:String,
  lastName:String,
  email:String,
  dob:String,
  loginType:String, --Google/Facebook/Email/Mobile
  wishlist:[String],
  notifyMe:[String],
  password:String,
  recentlyViewItems:[String],
  isAuthenticated:Boolean,
  userToken:String,
  cart:[{
    productId:String,
    noOfItems:Number,
    checked:Boolean
  }]
  address:[{
    name:String,
    mobileNumber:String,
    pinCode:String,
    houseNo:String,
    area:String,
    landMark:String,
    state:String,
    addressType:String
  }],
  card:[{
    name:String,
    cardNumber:String
    expiryDate:Date
  }]
}
```

## Vendor

```
{
  _id:String,
  firstName:String,
  middleName:String,
  lastName:String,
  email:String,
  dob:String,
  loginType:String, --Google/Facebook/Email/Mobile
  password:String,
  isAuthenticated:Boolean,
```

```
    userToken:String,  
    about:String,  
    diabledItemsList:[productId],  
    disableAccount:Boolean,  
    storeAddress:[{  
        vendorAddressId:String,  
        name:String,  
        mobileNumber:String,  
        verifyMobileNumber:Boolean --when buying  
        pinCode:String,  
        houseNo:String,  
        area:String,  
        landMark:String,  
        state:String,  
        addressType:String,  
        deliveryRange:Number --default to 7  
    }],  
    pendingOrders:[OrderId]  
}
```

## Admin

```
{  
  _id:String,  
  name:String,  
  itemApprovalPending:[String],  
  blockedUser:[String],  
  blockedVendor:[String],  
  blockedItem:[String],  
  newCategoryAddPending:[String],  
  minDistanceForNoDeliveryCharge:Number,  
  minCostForNoDeliveryCharge:Number  
}
```

## Category

```
{  
  _id:String,  
  title:String,  
  image:String  
}
```

## Subcategory

```
{  
  _id:String,
```

```
    categoryId:String
    title:String,
    image:String
  }
```

## Products

```
{
  _id:String,
  title:String,
  categoryId:String,
  subcategoryId:String,
  price:String,
  image:String,
  vendorId:String,
  vendorAddressId:String,
  location:String,
  quantity:Number,
  tags:[String], -- to be used as search Warrent
  returnable:Boolean,
  productDeliveryTime:{
    start:Time,
    end:Time
  }
  offer:{
    discount:Number
  }
}
```

## Orders

```
{
  _id:String,
  userId:String,
  orders:[
    {
      order_id:String,
      totalAmount:Number,
      paidAmount:Number,
      orderType:String --SELF/DELIVERY
      orderedOn:DateTime,
      deliveredAt:DateTime,
      promocode:String,
      rating:Number,
      deliveryCharge:Number,
      feedback:String,
      returnStatus:String, --No/Applied/Returned
      products:[
        {
```

```
        product_id:String,  
        quantity:Number,  
        price:Number,  
        discount:Number  
    }  
],  
paymentInfo:[{  
    method:String, -- COD/CC/DC/P/UPI  
    cardNo:String  
}],  
shippingAddress:[{  
    name:String,  
    mobileNumber:String,  
    pinCode:String,  
    houseNo:String,  
    area:String,  
    landMark:String,  
    state:String,  
    addressType:String  
}],  
billingAddress:[{  
    name:String,  
    mobileNumber:String,  
    pinCode:String,  
    houseNo:String,  
    area:String,  
    landMark:String,  
    state:String,  
    addressType:String  
}],  
]  
}
```

## Reviews

```
{  
  _id:String,  
  product_id:String,  
  rating:number,  
  body:String  
}
```

## MetaData Product

```
{  
  newReleases:[product_id],  
  offeredProducts:[product_id]  
}
```

## Notification

```
{  
  notificatioId:String,  
  message:String,  
  to:String  
}
```

## Database Details

**DB\_NAME** : e-Commerce

**USERNAME** : mayank

**PASSWORD** : x0ZvcHFrSMeqFVrk

**ROLE** : Read and Write Access