**DAY2** **MARKETPLACE TECHNICAL FOUNDATION**

* Frontend Requirements
  + a.TopNavbar: common in all .these two contain dropdown for changing language which can be localization “i8ln” and currency change – these two feature can be done in future. Also it contain cart and wishlish which will done through context api (like adding product in wishlist or cart)
  + b. Navbar : These contain multiple pages
  + c. Footer : These contain pages link.
  + d. Home page : Now on home page there is a section for featured products , latest products , trending product –(these are product which will fetch from database using tags like featured latest and trending and category when on clicking category – it will shifted to product page using dynamic routing.
  + e. Product page: Product detail page contains view as ascending or descending order feature also it contains product under category .
  + f. Product detail page contains detail information of product and add to cart functionality . On clicking product will be added to cart.On clicking wishlish product will add to wishlist as well
  + g. Now clicking on cart button on top we will directed to cart page. Now total and subtotal will be calculated and clicking on calculate shipping button we will be calculating shipping will calculated based on by shipengine.
  + h. The product and total and subtotal will be added to orders .
  + i. The products are added in cart and wish list . Note they will be cleared when user logout.
  + j. Here we are keeping cart and wish list in contextapi for global state management and the reason is that we don’t want to unnecessary on database and also it will time to fetch it.
  + k. Since we are using sanity there are two users admin who will add category and product and a another user who will see products and add them so we need to track them so will also provide a contact form to save their info. l. After order is save a notification will be given “Your order is saved”.
* FRONTEND REQUIREMENT
* 1. Backend --- sanity is being as database.
  + a. Category --- schema design by admin
  + b. Product --- schema design by admin
  + c. Review --- saved to schema by customer.
  + d. Order --- saved to schema by customer.
  + e. Payment – saved by customer to schema.
* 2. Third party API a. Stripe can be used for handling payments done by cards
  + b. Shipment engine to calculate shipment
  + c. Bandmay can be use for handling loan because furniture price can be costly. d. Tab ui – react library
  + e. Star rating library. EMAIL NODEMAILER
* System Architecture