PROJECT BRIEF – ShopSphere

1. **Project Objective**

   Develop a real-world multi-vendor e-commerce website where vendors can sell products, customers can purchase them, and admin controls the platform, including tracking deliveries and integrating payments. This is a HARD LEVEL 14 DAYS ASSESSMENT PROJECT.

2. **USER ROLES (Mandatory)**

- **A) Super Admin**
    - Approve vendors
    - Commission settings
    - User control
    - Reports
    - Block products
- **B) Vendor**
    - Add products
    - Manage stock
    - View orders
    - Generate invoice
- **C) Customer**
    - Browse products
    - Cart & checkout
    - Order tracking
- **D) Delivery User**
    - Update status
    - OTP delivery confirmation

3. **FUNCTIONAL REQUIREMENTS**

   ### 3.1 Customer Portal

    - Register / Login
    - Product search
    - Filters
    - Cart
    - Wishlist
    - Checkout
    - Order tracking
    - Reviews

   ### 3.2 Vendor Panel

    - Vendor registration
    - Product CRUD
    - Stock management
    - Orders view
    - Invoice PDF

   ### 3.3 Admin Panel

- o Vendor approval
- o Commission
- o Reports
- o User management

3.4 Delivery Module

- o Status update
- o OTP confirmation

3.5 Integrations

- o Razorpay sandbox
- o Email
- o SMS
- o PDF invoices

4. **14 DAYS HARD PLAN**

- **DAY 1**
  - o DB design
  - o UI skeleton
  - o Git setup
- **DAY 2**
  - o Auth system
- **DAY 3**
  - o Product module
- **DAY 4**
  - o Cart
- **DAY 5**
  - o Checkout
- **DAY 6**
  - o Orders
- **DAY 7**
  - o Vendor panel
- **DAY 8**
  - o Admin
- **DAY 9**
  - o Payment
- **DAY 10**
  - o Delivery
- **DAY 11**
  - o Reports
- **DAY 12**
  - o Security
- **DAY 13**
  - o Testing
- **DAY 14**
  - o Deployment & demo

5. **HARD WORK RULES**

Daily Compulsory

- o 10 hrs work
- o 1 Git commit

- o Standup
- o Task update

Not Allowed

- o Templates ✖
- o YouTube copy ✖
- o Same UI ✖
- o ChatGPT paste ✖

6. DELIVERABLES

- Source code
- DB script
- ER diagram
- Test cases
- Demo video
- Git link

7. EVALUATION

- Logic – 30
- Code – 20
- DB – 15
- UI – 10
- Security – 10
- Docs – 10
- Git – 5

8. HOW 12 MEMBERS MUST WORK

Team Division

- o 4 Frontend
- o 4 Backend
- o 2 Testing
- o 1 DevOps
- o 1 Documentation

Process

- o Standup
- o Code review
- o Testing
- o Demo