### **Task List**

1. **E-commerce Platform Base Setup**
2. **E-commerce Chatbot Integration**
3. **Negotiation Chatbot Extension**
4. **Social Media Analysis Dashboard**
5. **Leads Analysis Dashboard**
6. **Lead Analysis API Integration to E-commerce**
7. **VM and GitHub Deployment of E-commerce App**
8. **Deployment of Lead Analysis Dashboard**

### 

### **Task Distribution**

#### **Dev Team - A**

**Members**: Sadman, Kabir, Sami  
 **Assigned Tasks**:

* Task 1: Build the core E-commerce Platform
* Task 2: Integrate a basic chatbot into the platform
* Task 7: Deploy the E-commerce Platform on VM and GitHub

#### **Dev Team - B**

**Members**: Maisha, Anabil  
 **Assigned Tasks**:

* Task 4: Develop a standalone Social Media Analysis Dashboard

#### **Dev Team - C**

**Members**: Elma  
**Assigned Tasks**:

* Task 5: Create Leads Analysis Dashboard
* Task 6: Add Lead Analysis API endpoint to the E-commerce Platform
* Task 8: Deploy the Leads Analysis Dashboard as a separate platform

#### **Dev Team - D**

**Members**: Smaron  
**Assigned Tasks**:

* Task 3: Develop a Negotiation Chatbot
* Integrate it with the Chatbot system of the E-commerce Platform (in coordination with Team A)

### **Platform Overview**

1. **E-commerce Main App**
   * Built and maintained by Team A
   * Includes chatbot and negotiation chatbot integration
2. **Social Media Analysis Dashboard**
   * Built by Team B
   * Independent platform
3. **Leads Analysis Dashboard**
   * Built by Team C
   * Connected to the E-commerce app via endpoint
   * Deployed separately

## 

## **Nextmart AI – Initial Setup Requirements**

### **1. Infrastructure & Access**

* **Virtual Machine (VM) Access**
  + Dedicated cloud VM instance
  + Accessible to all Dev Teams
  + Pre-installed with Node.js, Python, MongoDB/PostgreSQL (as needed)
* **Domain & IP**
  + Static IP bound to domain: nextmart.ai (or relevant subdomains)
  + SSL certificate configuration (HTTPS)

### **2. Version Control**

* **GitHub Repository**
  + Central mono-repo or separate repos for each module (depending on project structure)
  + Example structure:  
    - nextmart-ecommerce
    - nextmart-ai-agent
    - nextmart-lead-dashboard
    - nextmart-social-analytics

### **3. Application Modules & Codebases**

#### **A. E-commerce Platform**

* **Frontend**
  + Tech Stack: React/Vue/Next.js
  + Integrated with chatbot interface
* **Backend**
  + Tech Stack: Node.js
  + Core APIs: Products, Orders, User Auth, Chatbot API integration

#### **B. AI Agent**

* **Backend Service**
  + Handles general chatbot logic
  + API endpoints for NLP, conversation context
  + Separate endpoint for negotiation chatbot (Team D)

#### **C. Lead Generation Analysis**

* **Dashboard Frontend**
  + Charts and tables visualizing lead data
  + Standalone interface (React or similar)
  + Integrated with backend via API

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#### **D. Social Media Analysis**

* **Frontend**
  + UI for displaying real-time social media insights and trends
  + Independent dashboard
* **Backend**
  + Crawlers/APIs to fetch social media data
  + Processing & sentiment analysis modules