

MY PART: NEHA

FORMING TEAM

BRAINSTORMING

DESCRIPTION AND FEATURES

USE CASES AND ACTORS ALL

USE CASE DESCRIPTION

Part I – Forming an Agile Development Team

Task	Designation	Team Member	Roles and Responsibilities
Brainstorming	Team Lead, Product Owner	Akhil (A), Karishma (B), Neha (C), Sravan (D)	Generate ideas and feature requirements.
Research	Researcher, Business Analyst	Akhil (A)	Collect data on market trends, competition, and needs.
Business Model	Business Analyst	Neha (N)	Develop value proposition, revenue streams, and cost model.
Market Analysis	Business Analyst, Researcher	Akhil (A)	Identify target users and market opportunities.

Use Cases	System Analyst	Neha (N)	Define user interactions with the system.
Entity Relationship Diagram	System Architect	Sravan (S)	Define relationships between data entities.
Activity Diagram	System communication	Saravan (S)	Define communication between use cases
Class Diagram	Software Developer	Neha (N)	Model application classes.
Content Plans	Content Writer, UX Designer	Karishma (K)	Plan promotional and informational material.
Prototype Mockups	UX/UI Designer	Akhil (A)	Create visual design for key features.
Code Development	Software Developer	Karishma (K) ,Neha (N)	Implement features and functionality.
Testing (Unit, Integration, Regression, Acceptance and Usability)	QA Engineer	Sravan (D)	Conduct thorough testing at all stages.
Documentation	Technical Writer	Karishma (K) ,Neha (N)	Prepare user manuals, help guides, and

			project documentation.
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Agile Roles:

Role	Team Member	Responsibilities
Product Owner	Karishma	Define product vision, prioritize backlog, and represent stakeholders.
Scrum Master	Neha	Facilitate Agile processes, remove impediments, and ensure team productivity.

Brain-Storming:

Application Overview:

Name: BizBridge

Concept & Brainstorming :

BisBridge is a comprehensive platform designed to connect small business suppliers with large business chains and online shopping platforms, integrating digital media for enhanced visibility and networking. The app empowers suppliers with tools to expand their business reach, enabling entrepreneurship, promoting sustainability, and improving facilities planning.

Relation to Key Themes:

1. Entrepreneurship:

- **Support Growth:** Provides a platform for small businesses to connect with larger chains, facilitating scalability.
- **Empower Innovation:** Encourages suppliers to innovate products/services to meet market demands.
- **Business Insights:** Offers analytics to help small businesses identify opportunities and optimize operations.

2. Sustainability:

- **Local Sourcing:** Promotes local suppliers, reducing transportation costs and carbon emissions.
- **Resource Optimization:** Suggests sustainable practices for packaging and delivery.
- **Green Certification:** Partners with eco-friendly initiatives to encourage sustainable business operations.

3. Facilities Planning:

- **Inventory Management:** Integrates tools for suppliers to manage inventory in real-time.
- **Logistics Coordination:** Provides scheduling features for deliveries and pickups.
- **Space Optimization:** Recommends storage and workspace utilization strategies.

Description:

BizBridge: Empowering Small Businesses Through Connection

BizBridge is a smart and easy-to-use platform designed to help small business suppliers grow by connecting them with big business chains and online shopping platforms. It creates opportunities for small businesses to showcase their products, find buyers, and build partnerships that help them succeed. With features like a digital marketplace, business analytics, AI-powered recommendations, and integrated marketing tools, BizBridge makes it simple for suppliers to manage their business and reach more customers. The app also promotes sustainability by encouraging eco-friendly practices and provides a secure payment system for safe transactions. BizBridge is more than just a platform—it's a community **where businesses can connect, grow, and thrive together.**

Features:

1. **Supplier Registration:** Easy onboarding for small businesses with profile customization.
2. **Digital Marketplace:** Showcase products to potential buyers with detailed descriptions, media, and ratings.
3. **Business Analytics:** Reports on sales, demand trends, and customer demographics.
4. **AI-powered Recommendations:** Suggests partnerships, products, and marketing strategies.
5. **Integrated Digital Marketing Tools:**
 - a. Social media integration for campaigns.
 - b. Automated ads to increase visibility.
6. **Networking Hub:** Forums for suppliers and buyers to share insights and opportunities.
7. **Sustainability Module:** Tracks and promotes eco-friendly practices.

8. **Payment Gateway Integration:** Secure options for transactions.
9. **Feedback System:** Allows buyers and suppliers to rate and review each other.

Use Cases with short descriptions based on features:

1. Supplier Registration

Actors: Small Business Owner, System Admin

Use Cases:

a. Supplier Registration

Description: A small business owner creates an account by providing company details, contact information, and products offered.

b. Verify Supplier Account

Description: The system admin reviews and approves supplier accounts to ensure authenticity.

c. Customize Supplier Profile

Description: Suppliers add branding elements, such as logos, banners, and custom descriptions, to enhance their profile.

Here's a detailed list of potential **use cases** for each feature, along with associated actors and descriptions:

1. Supplier Registration

Actors: Small Business Owner, System Admin

Use Cases:

1. Register as a Supplier

- **Description:** A small business owner creates an account by providing company details, contact information, and products offered.

2. Verify Supplier Account

- **Description:** The system admin reviews and approves supplier accounts to ensure authenticity.

3. Customize Supplier Profile

- **Description:** Suppliers add branding elements, such as logos, banners, and custom descriptions, to enhance their profile.
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2. Digital Marketplace

Actors: Supplier, Buyer

Use Cases:

1. Add Product to Marketplace

- **Description:** Suppliers list their products with descriptions, images, videos, and pricing information.

2. Search Products

- **Description:** Buyers search for products using filters like category, price range, or location.

3. View Product Details

- **Description:** Buyers view comprehensive product information, including reviews and ratings.

3. Business Analytics

Actors: Supplier, System

Use Cases:

1. Generate Sales Reports

- **Description:** Suppliers receive analytics on sales performance, including top-selling products and revenue trends.

2. View Customer Demographics

- **Description:** Suppliers access data on customer profiles, locations, and buying habits.

3. Track Demand Trends

- **Description:** The system identifies high-demand products based on buyer activity.

4. AI-powered Recommendations

Actors: Supplier, Buyer

Use Cases:

1. Recommend Partnerships

- **Description:** The AI suggests potential partnerships between suppliers and buyers based on product compatibility.
- 2. **Suggest Marketing Strategies**
 - **Description:** AI provides personalized marketing strategies for suppliers, such as recommended ad placements and campaigns.
- 3. **Product Recommendations for Buyers**
 - **Description:** Buyers receive tailored suggestions for products based on their search and purchase history.

5. Integrated Digital Marketing Tools

Actors: Supplier, Digital Marketing System

Use Cases:

1. **Create Social Media Campaigns**
 - **Description:** Suppliers design and schedule marketing campaigns with integrated templates.
2. **Track Campaign Performance**
 - **Description:** The system provides metrics on campaign engagement, clicks, and conversions.
3. **Launch Automated Ads**
 - **Description:** Suppliers use the system to create automated ad campaigns targeting specific buyer demographics

6. Networking Hub

Actors: Supplier, Buyer

Use Cases:

1. **Post Discussion Topics**
 - **Description:** Suppliers or buyers start threads to discuss business opportunities, challenges, or industry trends.
2. **Join Forums**
 - **Description:** Actors participate in forums to network and exchange ideas.
3. **Direct Messaging**
 - **Description:** Suppliers and buyers use a built-in messaging system to establish direct communication.

7. Sustainability Module

Actors: Supplier, Sustainability Advisor (System)

Use Cases:

1. **Track Eco-friendly Practices**
 - **Description:** Suppliers input and monitor their sustainability metrics, like carbon footprint and recyclable materials used.
2. **Earn Green Certification**
 - **Description:** Suppliers receive certifications for meeting sustainability standards, improving their market appeal.
3. **Receive Sustainability Suggestions**
 - **Description:** The system provides actionable insights to improve environmental practices

8. Payment Gateway Integration

Actors: Supplier, Buyer, Payment Processor

Use Cases:

1. **Process Payments**
 - **Description:** Buyers make secure payments for products purchased from suppliers.
2. **Set Up Payment Methods**
 - **Description:** Suppliers configure payment options such as credit card, PayPal, or direct bank transfers.
3. **View Transaction History**
 - **Description:** Suppliers and buyers review past transactions for accounting and record-keeping purposes.

9. Feedback System

Actors: Supplier, Buyer

Use Cases:

1. **Rate Supplier/Buyer**
 - **Description:** Buyers rate suppliers based on product quality and service; suppliers rate buyers for reliability.
2. **Write Reviews**
 - **Description:** Actors provide detailed feedback on their experience, visible to others in the system.
3. **Resolve Feedback Disputes**
 - **Description:** The system or admin mediates disputes over negative feedback between parties.

2 USE CASES CHOSEN FOR USE CASE DESCRIPTION ARE

- 1. BUSINESS ANALYTICS
- 2. NETWORK HUB

USE CASE DESCRIPTION FOR BUSINESS ANALYTICS:

Attribute	Details
Use Case ID	UC-001
Use Case Name	Generate Business Analytics Reports
Actors	Supplier, System
Preconditions	- The supplier must have an active account.
	- The supplier must have at least one transaction recorded.
Postconditions	- The system generates detailed analytics reports and displays them in the supplier dashboard.
Normal Flow	1. The supplier logs into the BizBridge platform.
	2. The supplier navigates to the "Analytics" section.
	3. The supplier selects the desired report type (e.g., sales, trends, customer demographics).
	4. The system retrieves and processes the data.

	5. The system displays the analytics report with visual representations (charts, graphs).
Alternative Flow	4a. If no data is available, the system displays a message indicating insufficient data to generate reports.
Exceptions	- Network failure during data retrieval leads to an error message, prompting the user to retry.
Trigger s	- Supplier clicks on the "Generate Report" button.
Priority	High
Frequency of Use	Regular
Assumption s	- Suppliers understand basic data interpretation.

USE CASE DESCRIPTION FOR NETWORK HUB:

Attribute	Details
Use Case ID	UC-00 2
Use Case Name	Post Discussion in Networking Hub
Actors	Supplier, Buyer, System
Preconditions	- The actor must have an active account.

	<ul style="list-style-type: none"> - The actor must be logged into the platform.
Postconditions	<ul style="list-style-type: none"> - The discussion post is visible in the networking hub for others to view and comment on.
Normal Flow	1. The actor logs into the BizBridge platform.
	2. The actor navigates to the "Networking Hub" section.
	3. The actor clicks on "New Post" and enters a discussion title and content.
	4. The actor submits the post.

	5. The system verifies and publishes the post in the networking hub.
Alternative Flow	4a. If the post contains restricted content, the system displays an error message requesting corrections.
Exceptions	- A system error while submitting the post prevents it from being published.
Triggers	- The actor clicks on the "Submit Post" button.
Priority	Medium
Frequent Use	Occasional

Assumptions	<ul style="list-style-type: none">- Users will follow community guidelines when posting discussions.