



BCS3143

SOFTWARE PROJECT MANAGEMENT

PROJECT #1

SECTION:1A
GROUP NAME:A7

MEMBERS:
(please sort by Matrix ID)

NO	ID	NAME
1	CB22159	MOHAMAD NAZAMEERUL BIN MOHAMAD NAPI
2	CB22160	GAN JUN WEI
3	CB24152	DONDOK ANDI BINTANG TOAR
4	CB24153	HENDIANTO MOHAMMAD FARID

Youtube link Discussion	
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INSTRUCTION:

Read, analyze and synthesize the project case study below. All following tasks are based on this project case study. WHAT YOU NEED TO DO:

- 1. DISCUSS IN GROUP, WRITE THE ANSWER IN THE BOX THEN SAVE TO .pdf FORMAT**
- 2. RECORD YOUR DISCUSSION VIDEO, UPLOAD IT TO YOUTUBE**
- 3. SEND THE .pdf DOCUMENT (No 1) AND THE YOUTUBE LINK (No 2) TO THE KALAM**

PROJECT TITLE:

ENTERPRISE RESOURCE PLANNING SYSTEM FOR CHOCO LAZAT ENTERPRISE

Your customer is a Malaysian small-to-medium-sized enterprise specializing in handcrafted chocolates and confectioneries. Choco Lazat Enterprise has been facing challenges in managing its operations efficiently due to its rapid growth and an increase in demand for its premium products. Its business processes, which were previously handled manually or with basic software, have become increasingly cumbersome and error prone. The company now seeks an integrated system to streamline its operations, improve inventory management, enhance customer service, and support its decision-making processes with accurate, real-time data.

The scope of the project includes the development and deployment of an Enterprise Resource Planning (ERP) system tailored specifically to Choco Lazat's needs. This system aims to unify and optimize various aspects of the business, from procurement and production to sales and customer relationship management.

The solution

The solution involves the creation of a fully integrated ERP system with the following components:

ERP System Features:

- Inventory Management
- Production Management
- Sales and Order Management
- Customer Relationship Management (CRM)
- Reporting and Analytics
- Multi-User Access

The web admin panel:

- System Configuration
- Business Reporting
- Multilingual Support

Specific features

To address the unique needs of Choco Lazat Enterprise, the ERP system incorporates several tailored features. One notable addition is the raw material expiry tracking mechanism, which helps ensure that ingredients are used efficiently before their expiration dates, significantly reducing wastage and maintaining product quality. Additionally, the system includes a custom recipe management module, enabling the business to document and standardize its unique chocolate recipes for consistent production, even during peak demand.

The ERP system also integrates seasonal demand forecasting, utilizing data from past sales trends to predict customer demand during festivals and holiday seasons. This ensures that inventory and production levels are optimized, preventing overstocking or stockouts. Moreover, the system offers offline functionality, allowing critical business operations to continue seamlessly even during internet disruptions, a common concern for businesses in semi-urban or remote areas.

Business benefits

The implementation of this ERP system provides substantial advantages to Choco Lazat Enterprise. Automation of manual processes not only saves time but also reduces human errors, leading to smoother day-to-day operations. The availability of real-time data ensures informed decision-making, allowing the business to react quickly to market demands and operational challenges. Customers benefit from faster order processing and personalized service, enhancing their overall experience and loyalty.

From a financial perspective, the system's ability to minimize wastage and optimize production schedules results in significant cost savings. Furthermore, its scalable architecture ensures that the ERP system will continue to support the business as it expands into new markets or introduces new product lines. Overall, the ERP system positions Choco Lazat Enterprise for sustainable growth and operational excellence.

INFORMATION ABOUT YOUR COMPANY

Name: 1A7 Sdn. Bhd.

Background:

The ERP system is developed by 1A7 Sdn. Bhd., a Malaysia-based software development firm specializing in creating tailored enterprise solutions for small-to-medium-sized businesses. With over a decade of experience, the company has a strong track record in delivering scalable and secure systems that address complex operational challenges. 1A7 Sdn. Bhd. prides itself on its customer-centric approach, leveraging cutting-edge technology to provide intuitive, user-friendly systems that help businesses optimize their processes and achieve sustainable growth.

Region: Worldwide

Industry: Software Development

Type: Sdn Bhd

Engagement model: fixed cost/time and material

Staff: 69 persons

Platforms: Web

The total cost allocation for the project is RM1.2 million. The project must be completed within 12 months.

PROJECT TASK 1 [10 MARKS]

a) Create the project charter for this project

[5 Marks]

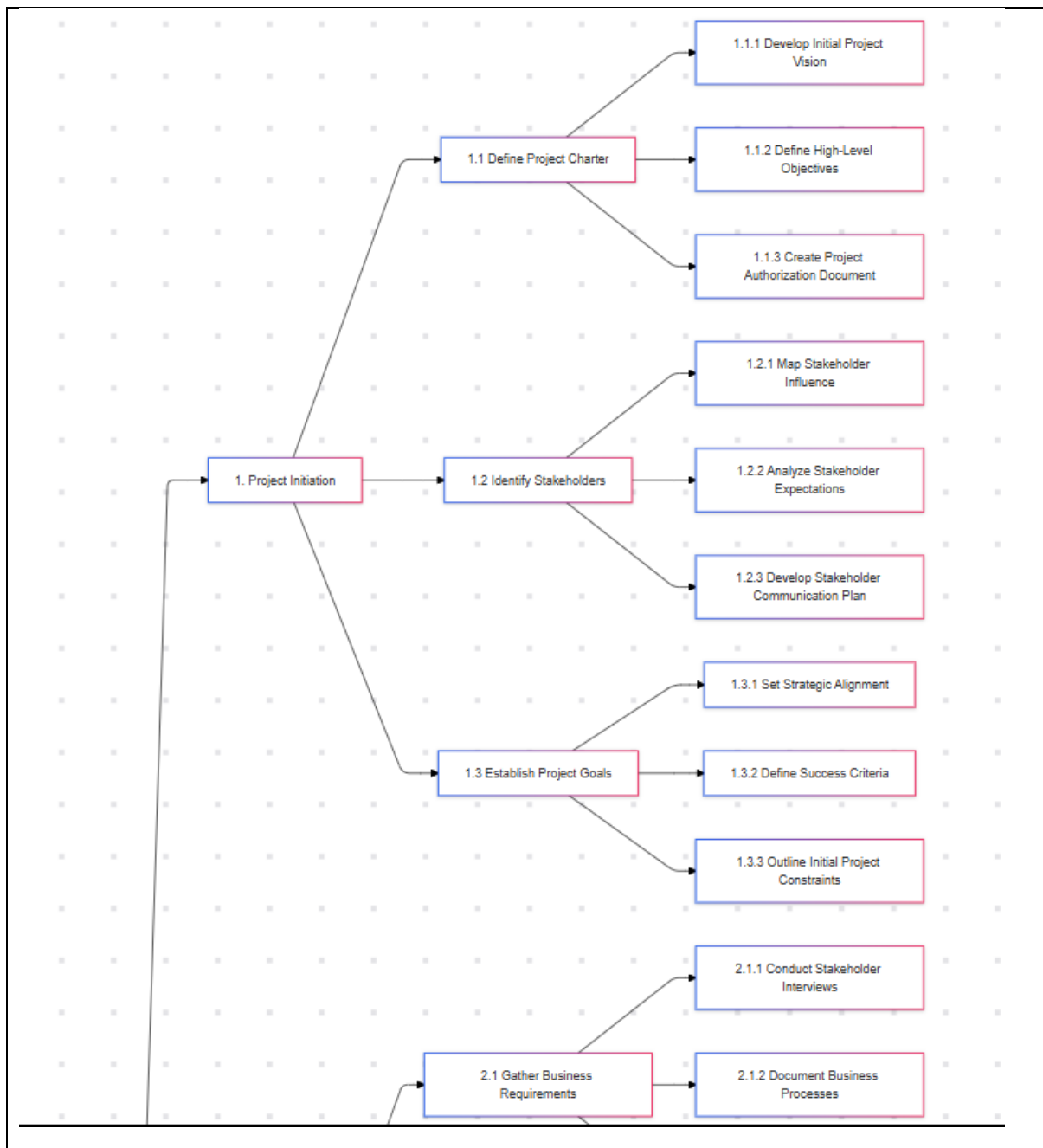
Project Charter	
1.1 Project Name	CHOCO LAZAT ENTERPRISE RESOURCE MANAGEMENT SYSTEM
1.2 Description	This project focuses on building a resource management system for Choco Lazat to streamline operations, including inventory, invoices, and order management. It aims to reduce the company's reliance on paper, making business processes more efficient and manageable.
1.3 Objectives	<ul style="list-style-type: none">• Develop a system that streamlines Choco Lazat's inventory, invoice, and order management processes.• Implement a paperless solution to increase efficiency and reduce manual work.• Provide tools for owners and auditors to easily monitor business performance and financials.
1.4 Date / Time	27th of October 2024 until 27th of October 2025 (12 months)
1.5 Project Manager	Mohamad Nazameerul bin Mohamad Napi
1.6 Deliverables	<ul style="list-style-type: none">• A fully functional enterprise resource management system tailored for Choco Lazat.• Documentation including user manuals, technical guidelines, and system design records.• Training sessions and workshops for staff and owners.

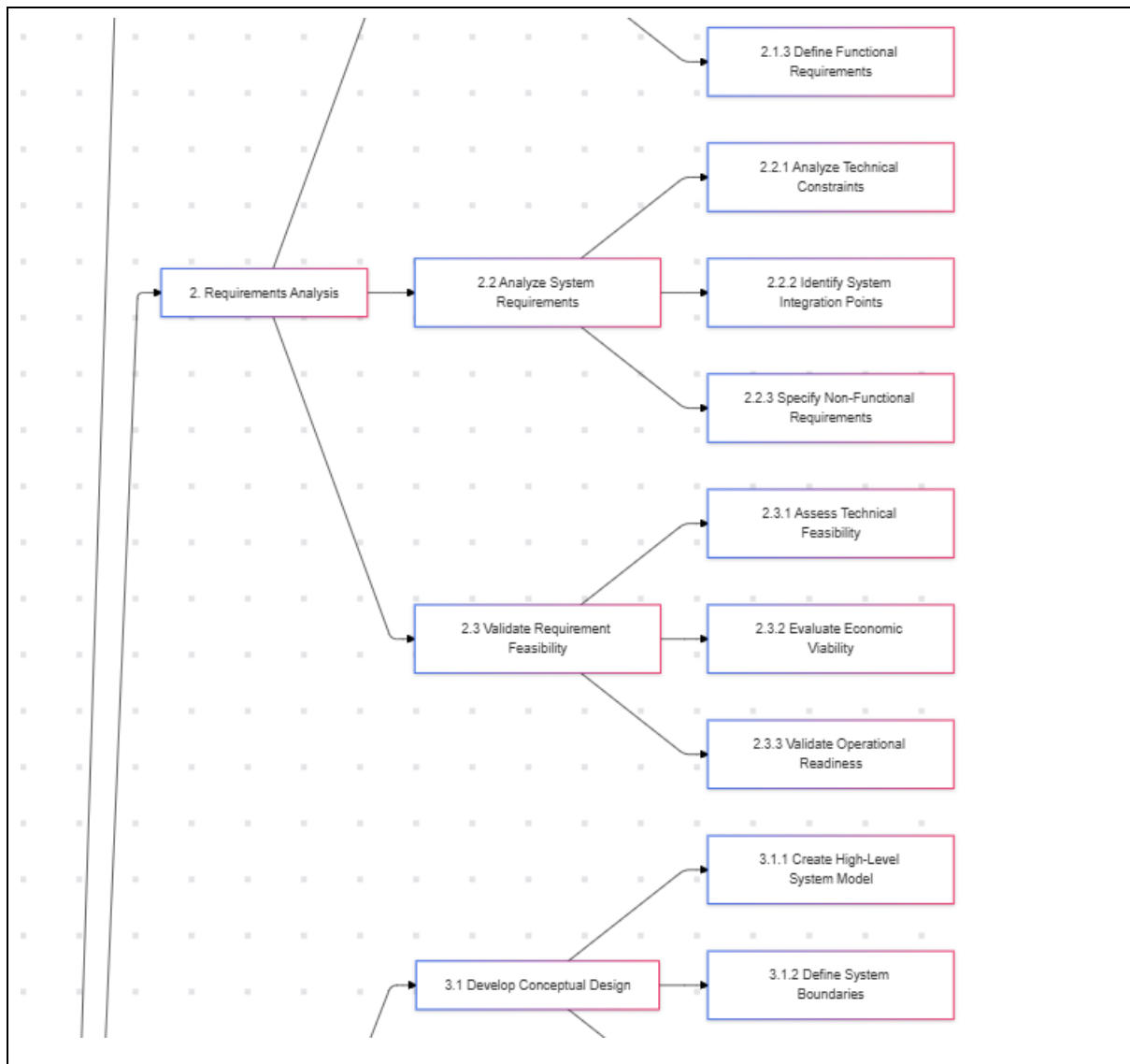
	<ul style="list-style-type: none"> • Approved reports from system testing and User Acceptance Testing (UAT). • A post-implementation review report summarizing outcomes and future recommendations.
1.7 Organization Structure	<ul style="list-style-type: none"> • Project Manager: Oversees and coordinates project activities. • Development Team: Reports to the project manager, focusing on coding, system design, and testing. • Auditors: Monitor financial processes. • Staff and Owners: Engage with the system postdevelopment, providing feedback during testing
1.8 Risk / Limitation	
1.9 Cost	
Stakeholder	<p>Involved in Developing the System</p> <ul style="list-style-type: none"> • Development Team: Builds the system according to requirements. • Project Manager: Ensures resource efficiency and keeps the project on track. <p>Direct Stakeholders (Primary Users)</p> <ul style="list-style-type: none"> • Choco Lazat Owners: Use the system to monitor company performance through reports and dashboards. • Choco Lazat Staff: Input, track, and manage daily tasks like inventory and order processing.

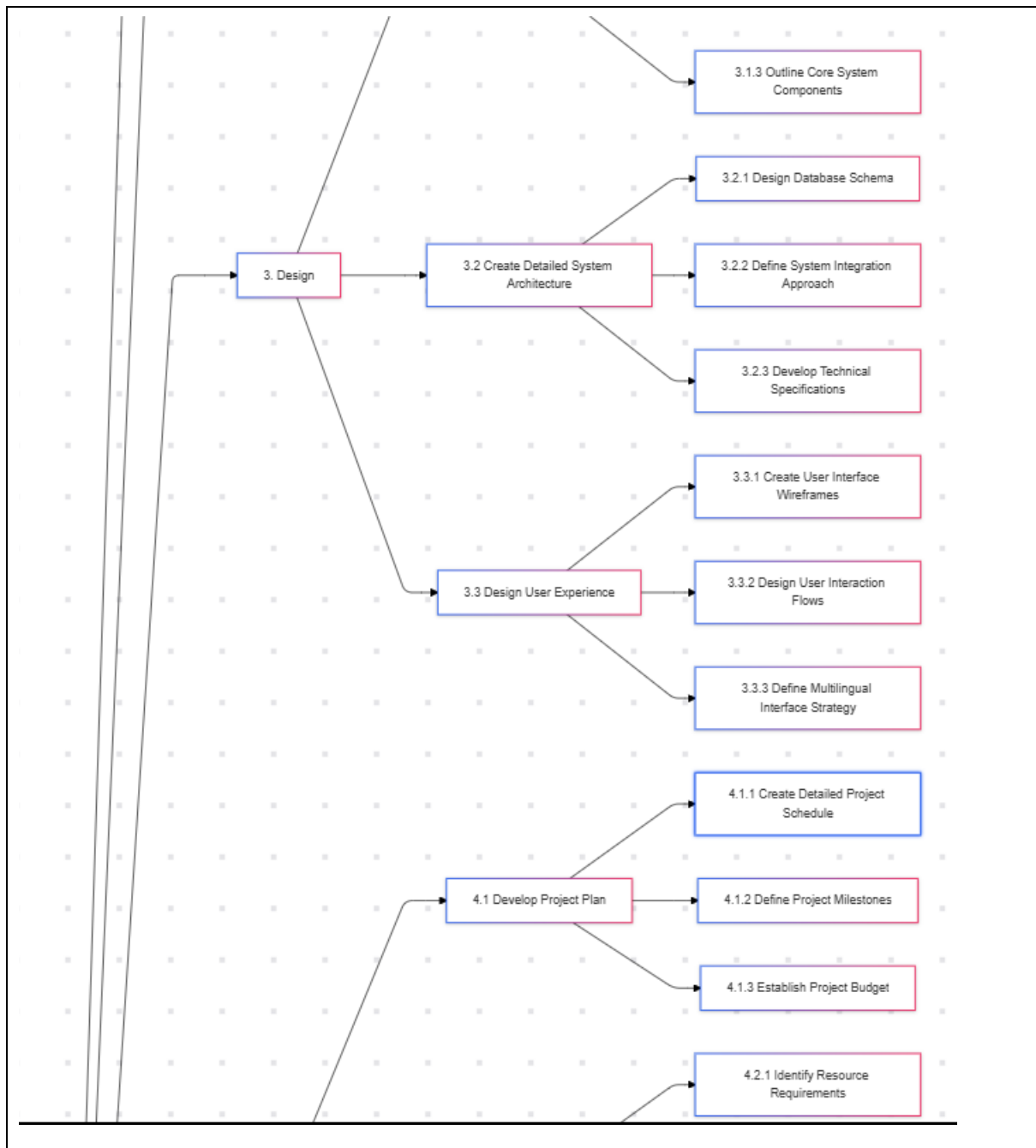
	<p>Indirect Stakeholders (Benefit from the System's Existence)</p> <ul style="list-style-type: none"> • Auditors: Use the system for financial monitoring and reconciliation. • Suppliers: Benefit from efficient order processing and inventory management. • Customers: Receive better service and faster order fulfillment due to improved processes
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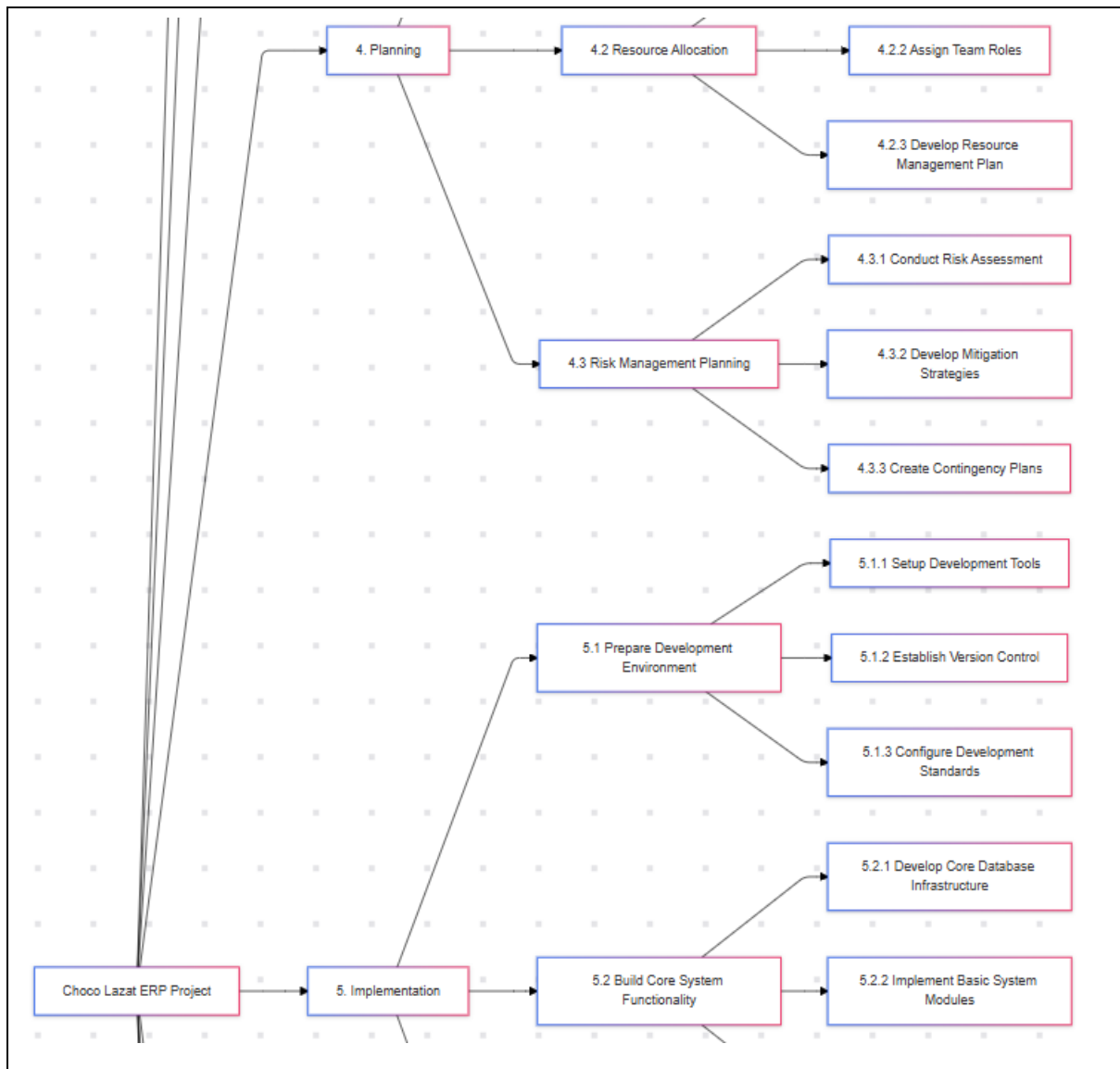
b) Develop WBS until level 4 for this project.

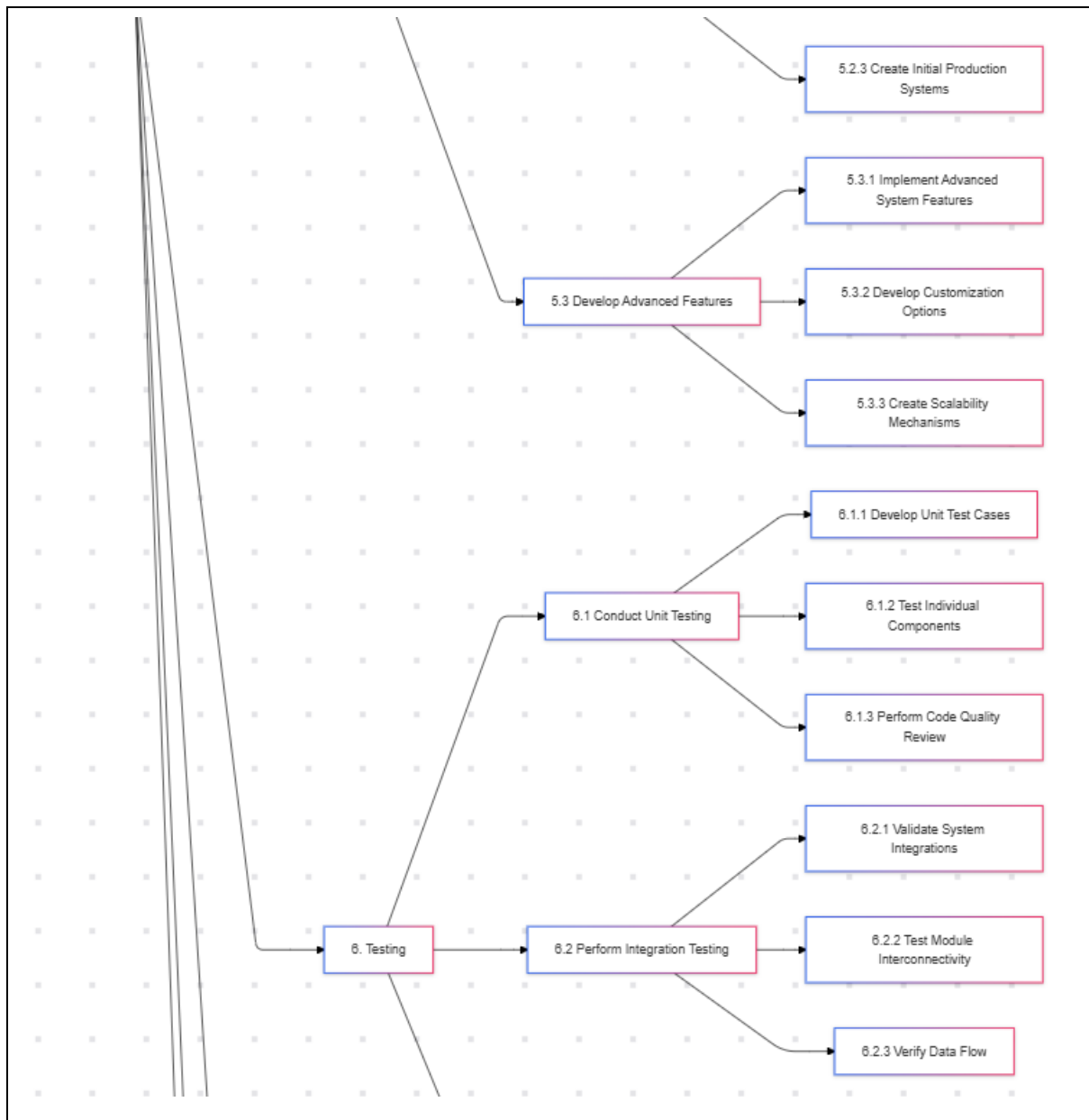
[10 Marks]

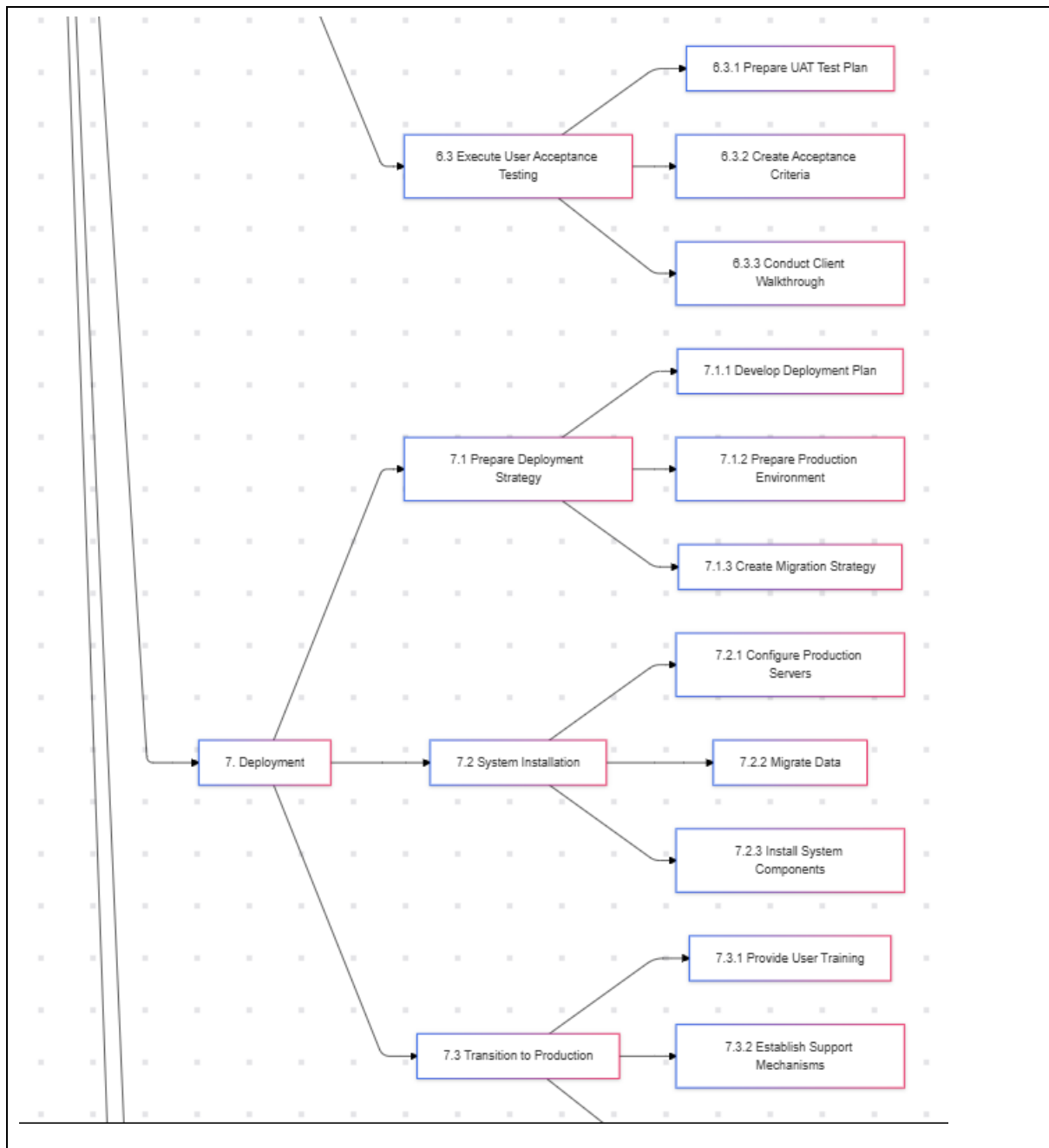


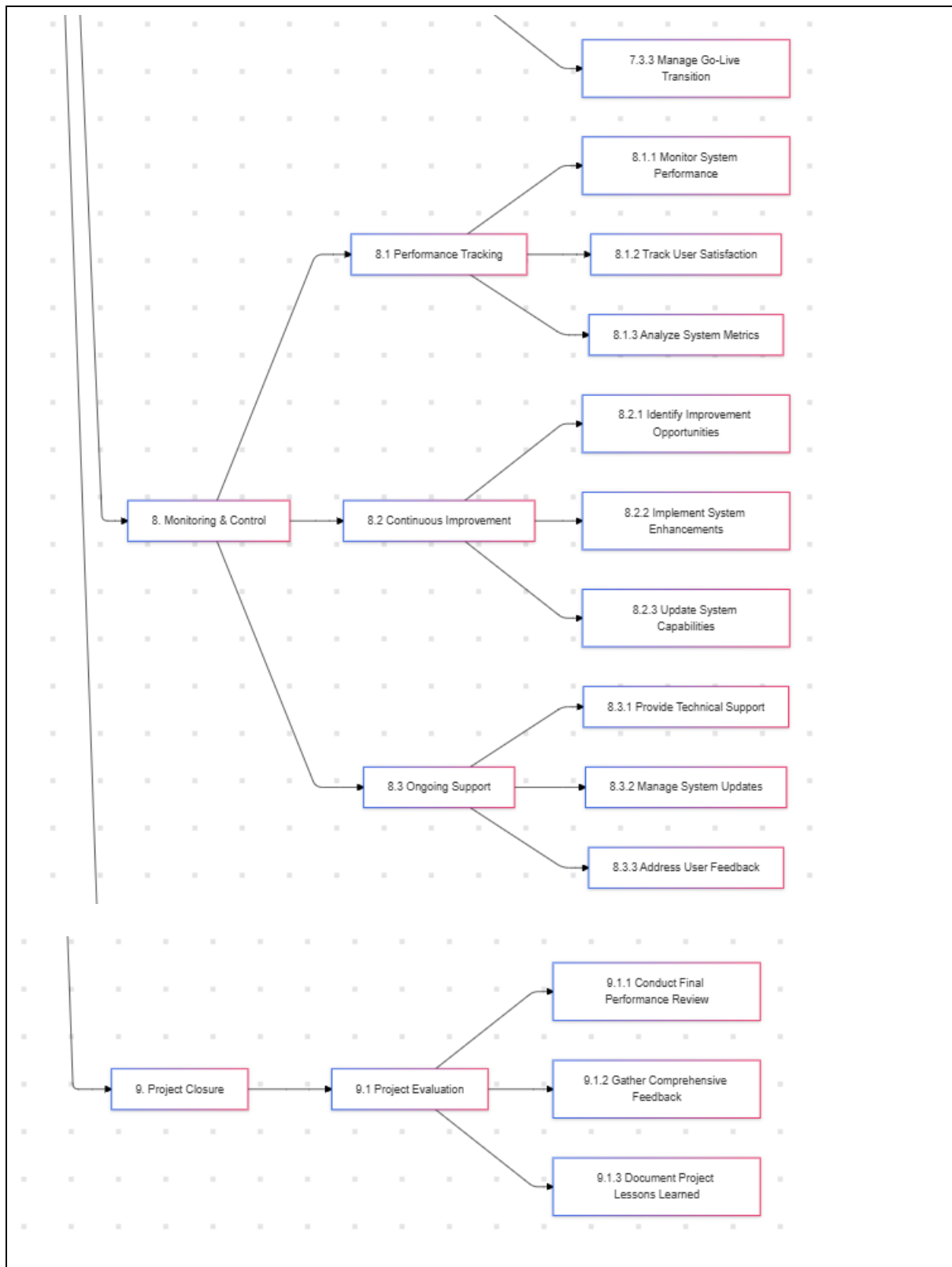












- c) Using smartsheet.com, provide the project schedule in details of the **twelve (12)** months using the following format:

Activity Code	Activity Name	Predecessors	Duration (Day)
A	Collect requirements	-	2
B

[10 Marks]

Smartsheet.com

<https://app.smartsheet.com/workspaces/mH4J8WXMVq57cFphFCjJM4QmHQhMcg3MhFjWmq91>

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d) Based on your answer in (c) plan a complete Gantt chart for this project.

[15 Marks]

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