



Yara Alshbrami 444007195
Munira Aljuhaimy 443013757
Yara Alghamdi 442011908
Muna Alhawas 443012030
Section:372

Project manager



Project Manager is someone who responsible for controlling the work according to plans he plan and develop the project idea, create and lead the team, monitor project progress and set deadlines, solve issues that arise, ensure stakeholders satisfaction, evaluate project performance, specific IT goal, Software and app development, network upgrades

Project charter

Project Charter:	
Project title: Pet Care	
Project Start Date: 26/11/2024	Project Finish Date: 5/12/2025
Problem Statement:	
<p>Pet owners often face challenges in ensuring their pets are fed on time, especially when their daily schedules involve long hours away from home for studies or short trips. This can lead to inconsistent feeding times, which are not only inconvenient but can also adversely affect the health and well-being of the pets. There is a need for an automated solution that can reliably manage the feeding of pets in the absence of their owners, ensuring that the pets receive the right amount of food at the correct times without any manual intervention.</p>	
Description: Project Description:	
<p>The proposed project involves developing an automated pet feeding device that can be controlled remotely via a mobile application. This device will allow pet owners to refill pet food automatically according to a preset schedule or on-demand. The key features of this device include:</p> <ol style="list-style-type: none">1. Automatic Food Dispenser: Equipped with a mechanism to store and dispense pet food at designated times, ensuring pets are fed consistently even in the absence of the owner.2. Mobile Application Integration: The device will be paired with a user-friendly mobile application that allows pet owners to adjust feeding times, control portion sizes, and monitor food levels from anywhere.3. Customizable Feeding Schedules: Users can set up customized feeding schedules for their pets, including specific times and portion sizes, which can be adjusted as needed through the mobile app.4. Notifications and Alerts: The application will send notifications to the owner's mobile device about feeding activities, low food supply, or any device malfunctions, keeping the owner informed in real time.	

- 5. Easy Setup and Maintenance:** Designed to be user-friendly, the device will offer an easy setup process and low maintenance, making it accessible for all pet owners, regardless of their technical skills.

This project aims to enhance the convenience and reliability of pet care, especially for owners who have busy schedules or need to manage pet care during short trips.

[Top of Form](#)

Objectives:

Project Objectives:

- 1. Enhance Pet Care:** To provide a reliable solution for pet feeding that ensures pets are fed on time and according to their dietary needs, regardless of the owner's physical presence.
- 2. Remote Feeding Management:** To develop a mobile application that allows pet owners to remotely control and monitor their pet's feeding schedule and food intake.
- 3. User-Friendly Interface:** To design an intuitive and easy-to-use interface for the mobile application, making it accessible to pet owners of all tech-savviness levels.
- 4. Notifications and Monitoring:** To implement real-time notifications and monitoring features that alert owners about feeding times, low food levels, and other relevant updates.
- 5. Customization and Flexibility:** To enable customizable feeding schedules, including variable times and portion sizes, which can be adjusted based on the pet's health needs and owner's preferences.
- 6. Reliability and Safety:** To ensure the device operates reliably and safely, maintaining the health and well-being of pets as a priority.
- 7. Market Viability:** To develop a marketable product that meets the needs of a wide range of pet owners, contributing to better pet care industry standards.

Project Scope, Constraints, Assumptions: The project encompasses the design and engineering of an automated pet feeding device and its companion mobile application, followed by rigorous testing and initial launch in selected markets for feedback and adjustments.

Constraints:

- Budget
- Time
- Technological Limitations

Assumptions:

- We assumed to be suitable for a wide range of pet sizes and types, primarily focusing on cats and dogs.
- We assumed that the majority of potential users have access to smartphones and reliable internet, which are necessary to control the device remotely.
- We assumed that there is a sufficient demand in the market for automated pet feeding solutions.

Project Estimated Budget:

Research and Development: **112000 SAR**

Hardware Manufacturing: **187000 SAR**

Software Development: **74000 SAR**

Marketing and Distribution: **56000 SAR**

Operational Expenses: **37000 SAR**

Contingency Fund: **18000 SAR**

Total Estimated Budget: **487000 SAR**

Project Estimated Time: 120 days

Major project milestones:

1-Complete Resource analysis and stakeholders 4/12/2023

2-complete project plan 31/1/2025

3-testing completed 28/3/2025

4-complete the

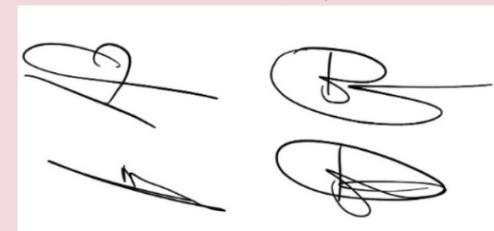
updates in project documents28/4/2025

5-project complete 12/5/2025

Project Stakeholders

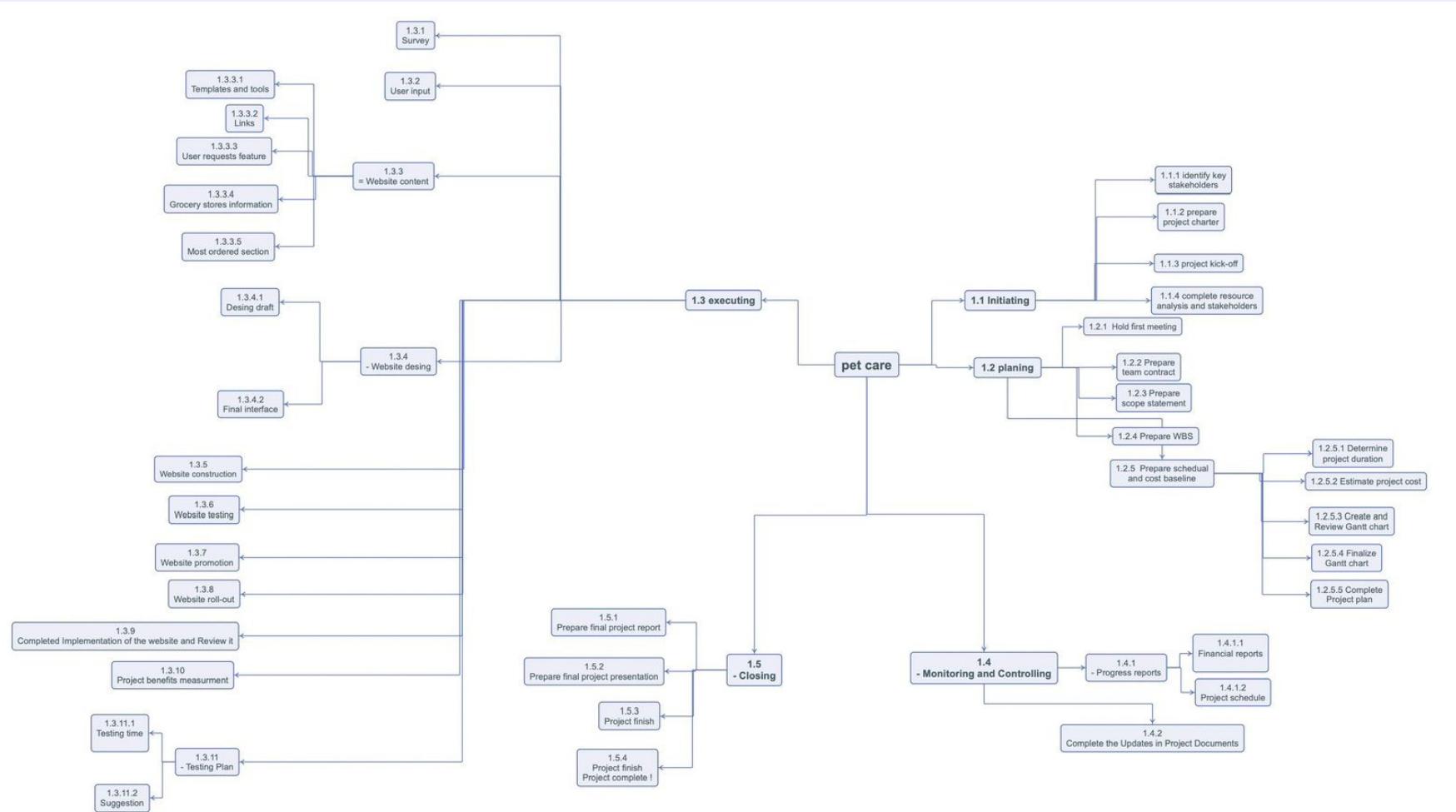
Name	Role	Contact information	Position
Yara Alshbrami	<i>Project Manager</i>	Yara44@gmail.com	Project Lead
Munira aljuhimi	<i>Software Development Team</i>	Munira23@gmail.com	Software Team Lead
Yara Alghamdi	Quality Assurance Team	yaraa1@gmail.com.com	Quality Assurance Lead
Mona Alhawas	Project sponsor	Muna6@gmail.com	Delta corporation.Executive Management

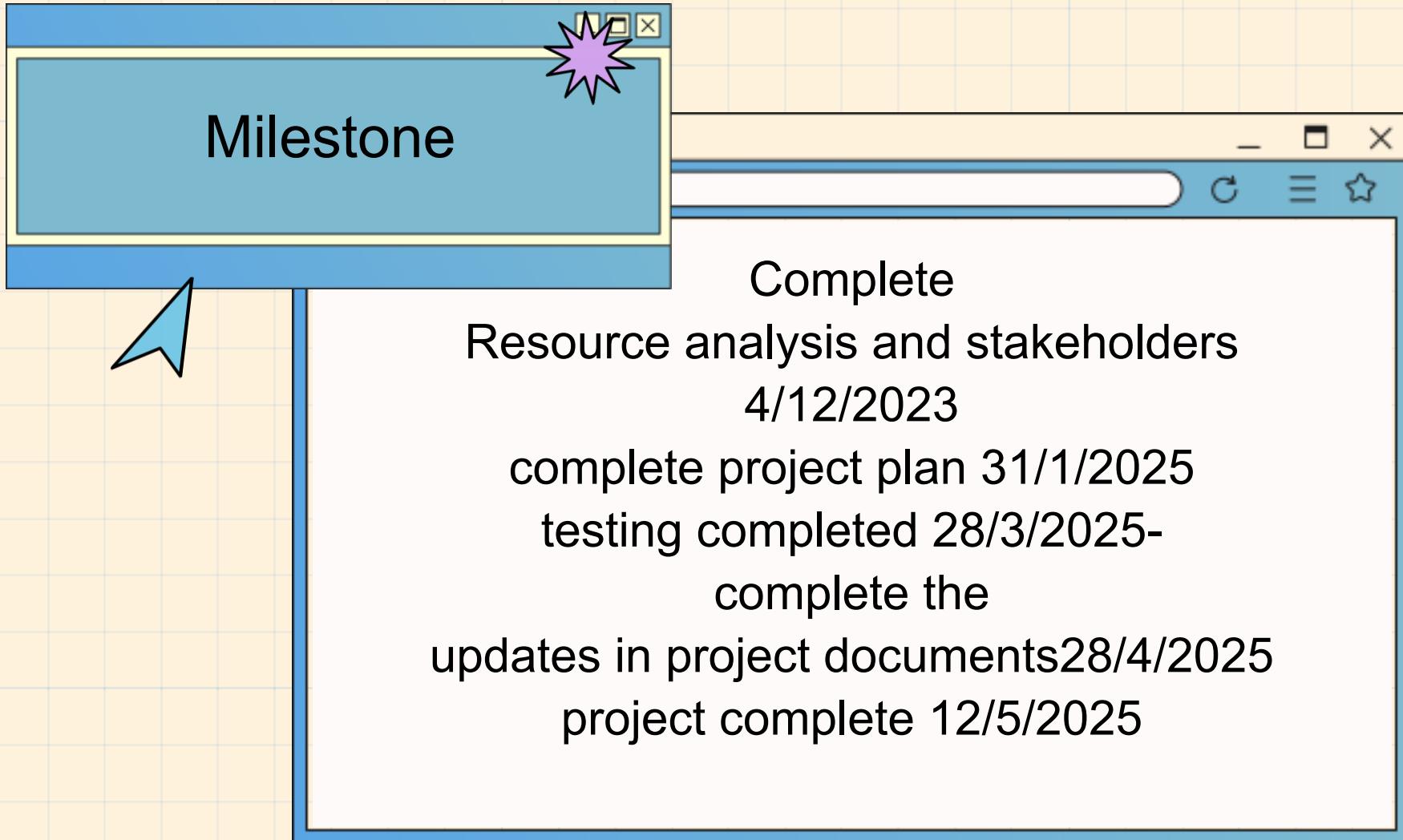
Sign-Off: (signatures of all the above stakeholders)



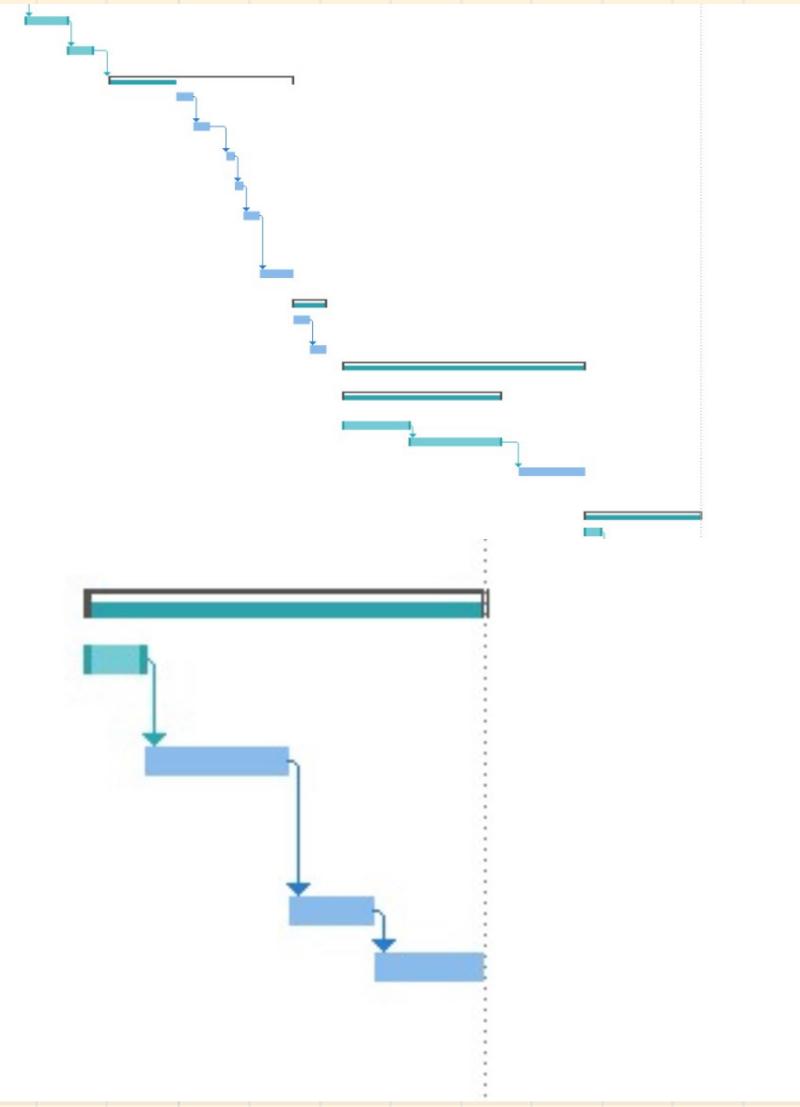
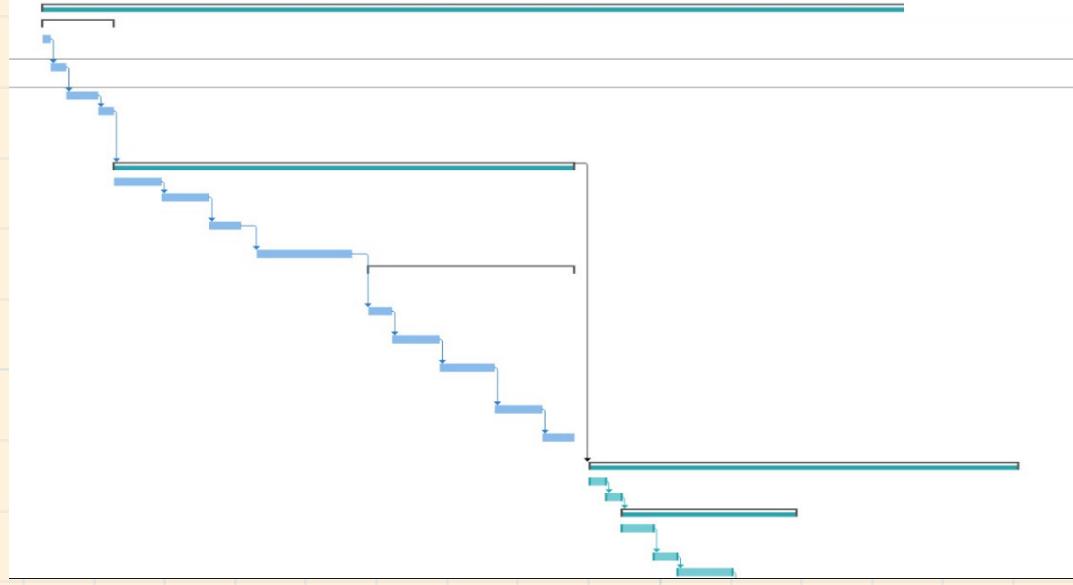
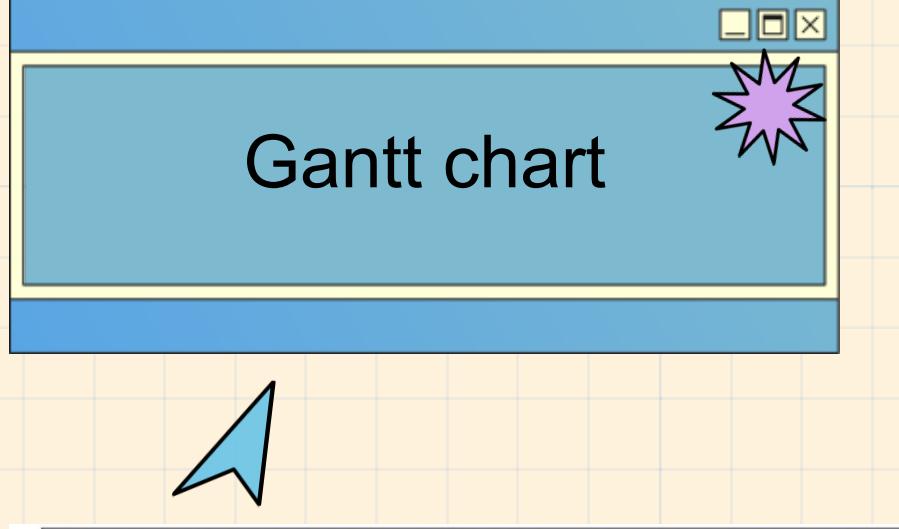
WBS

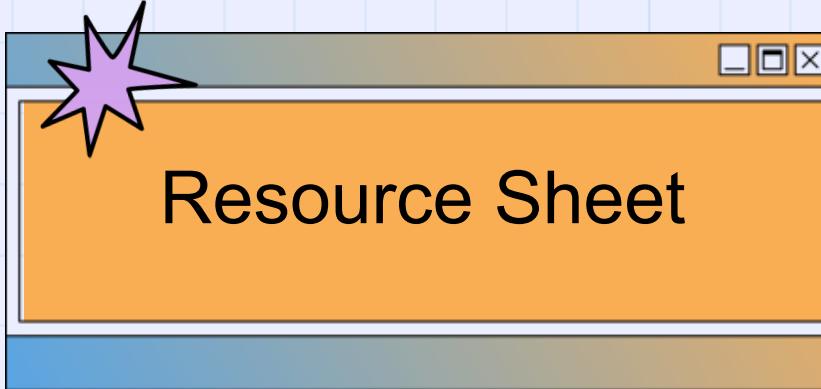
1.4		▪ Monitoring and Controlling	21 days	Mon 3/31/25	Mon 4/28/25		Yara Al ghamdi(Quality Assurance Lead)
1.4.1		▪ Progress reports	15 days	Mon 3/31/25	Fri 4/18/25		
1.4.1.1		Financial report	6 days	Mon 3/31/25	Mon 4/7/25		
1.4.1.2		Project schedule	9 days	Tue 4/8/25	Fri 4/18/25	41	
1.4.2		complete the updates in project documents!	6 days	Mon 4/21/25	Mon 4/28/25	42	
1.5		▪ Closing	10 days	Tue 4/29/25	Mon 5/12/25		Yara Al ghamdi(Quality Assu
1.5.1		Prepare final project report	2 days	Tue 4/29/25	Wed 4/30/25		
1.5.2		Prepare final project presentation	3 days	Thu 5/1/25	Mon 5/5/25	45	
1.5.3		Project finish	3 days	Tue 5/6/25	Thu 5/8/25	46	
1.5.4		Project complete	2 days	Fri 5/9/25	Mon 5/12/25	47	





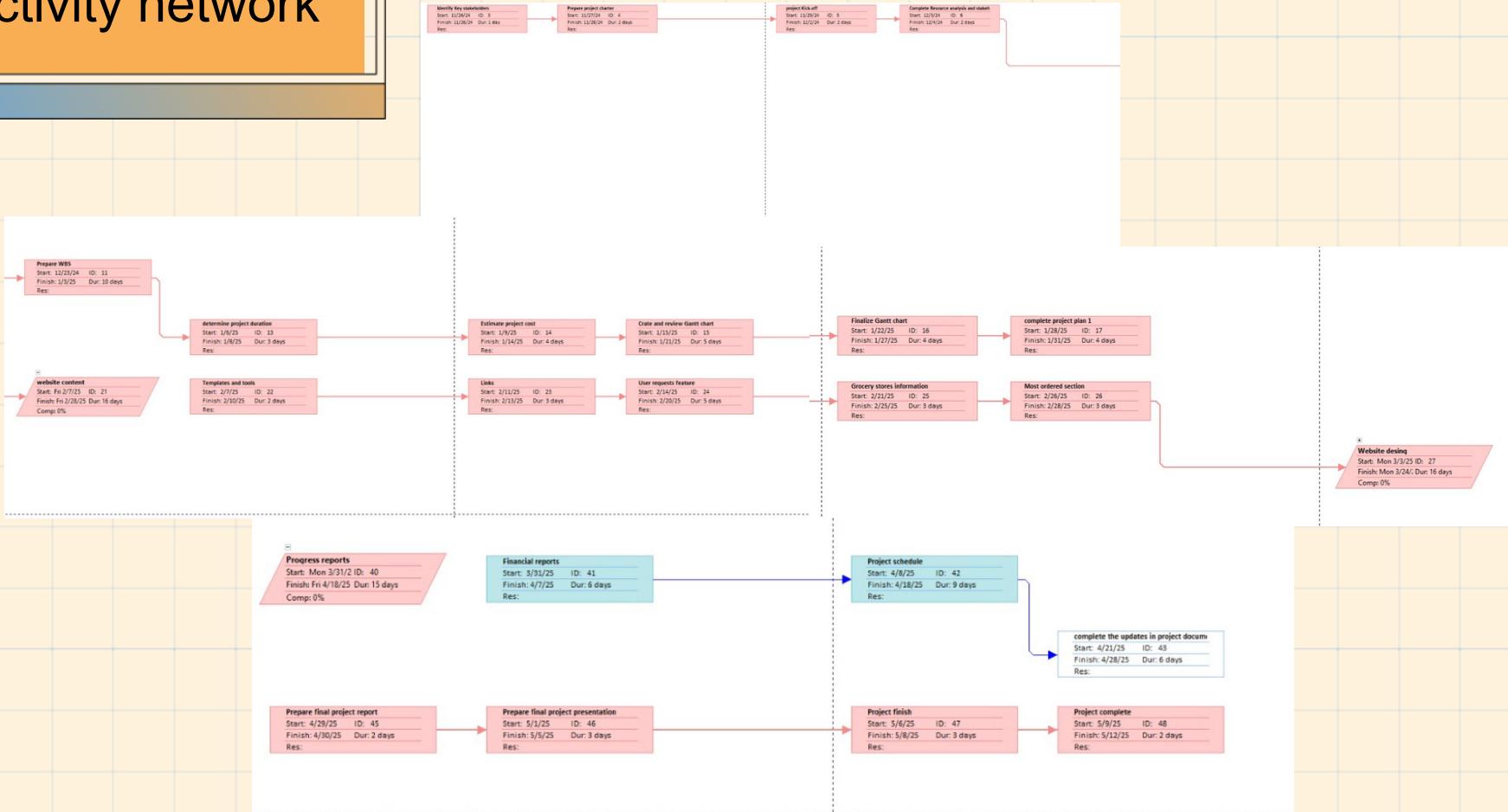
Gantt chart



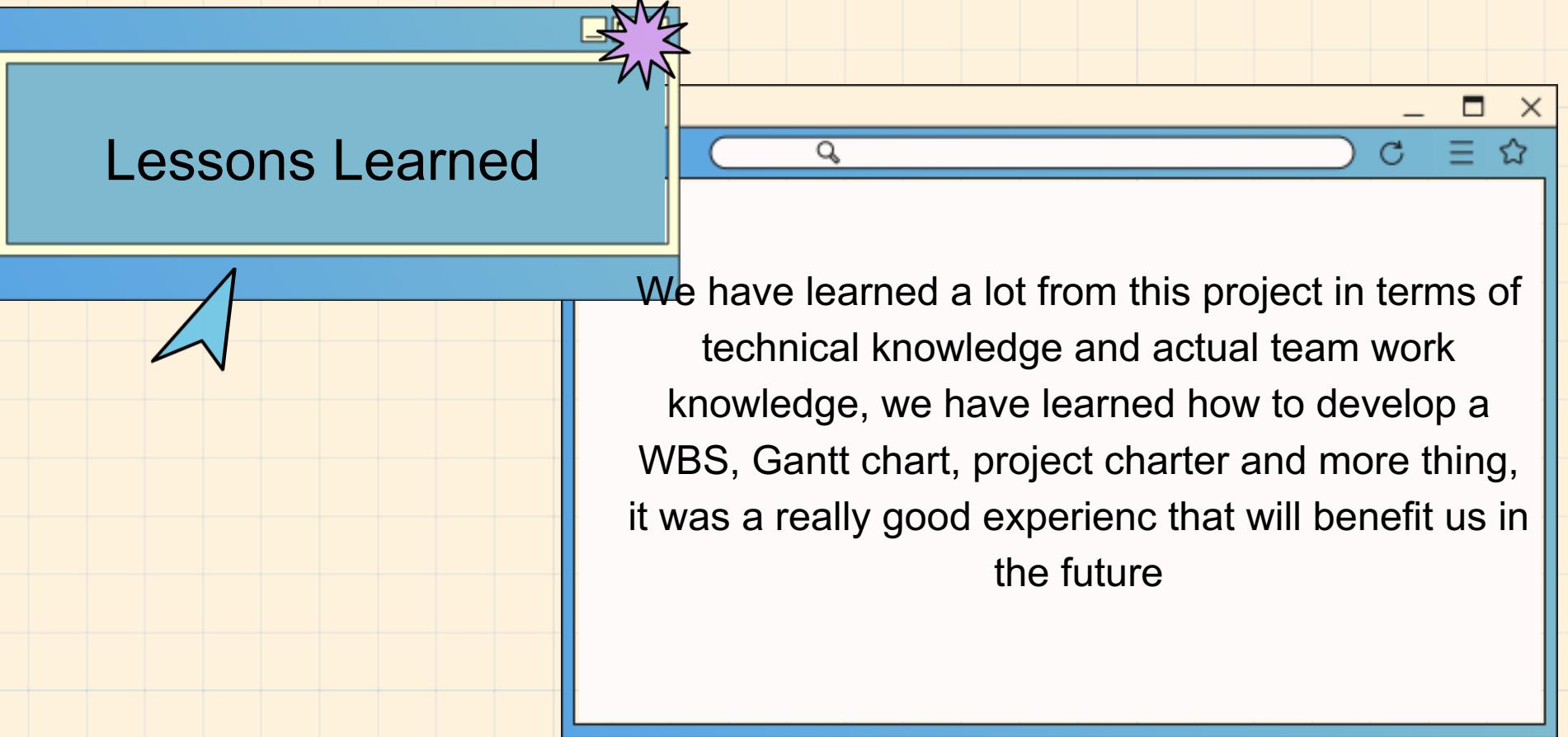


	Resource Name	Type	Material	Initials	Group	Max.	Std. Rate	Ovt.	Cost/Usr	Accrue	Base
	yara alshabrami (project manger)	Work		M		100%	\$50.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
	Munira aljuhimi (software dev)	Work		A		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
	Yara Al ghamdi(Quality Assurance Lead)	Work		q		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
	Muna Al-hwas (Delta corporationExecutive Management)	Work		M		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard

Activity network



Lessons Learned



We have learned a lot from this project in terms of technical knowledge and actual team work knowledge, we have learned how to develop a WBS, Gantt chart, project charter and more thing, it was a really good experience that will benefit us in the future