

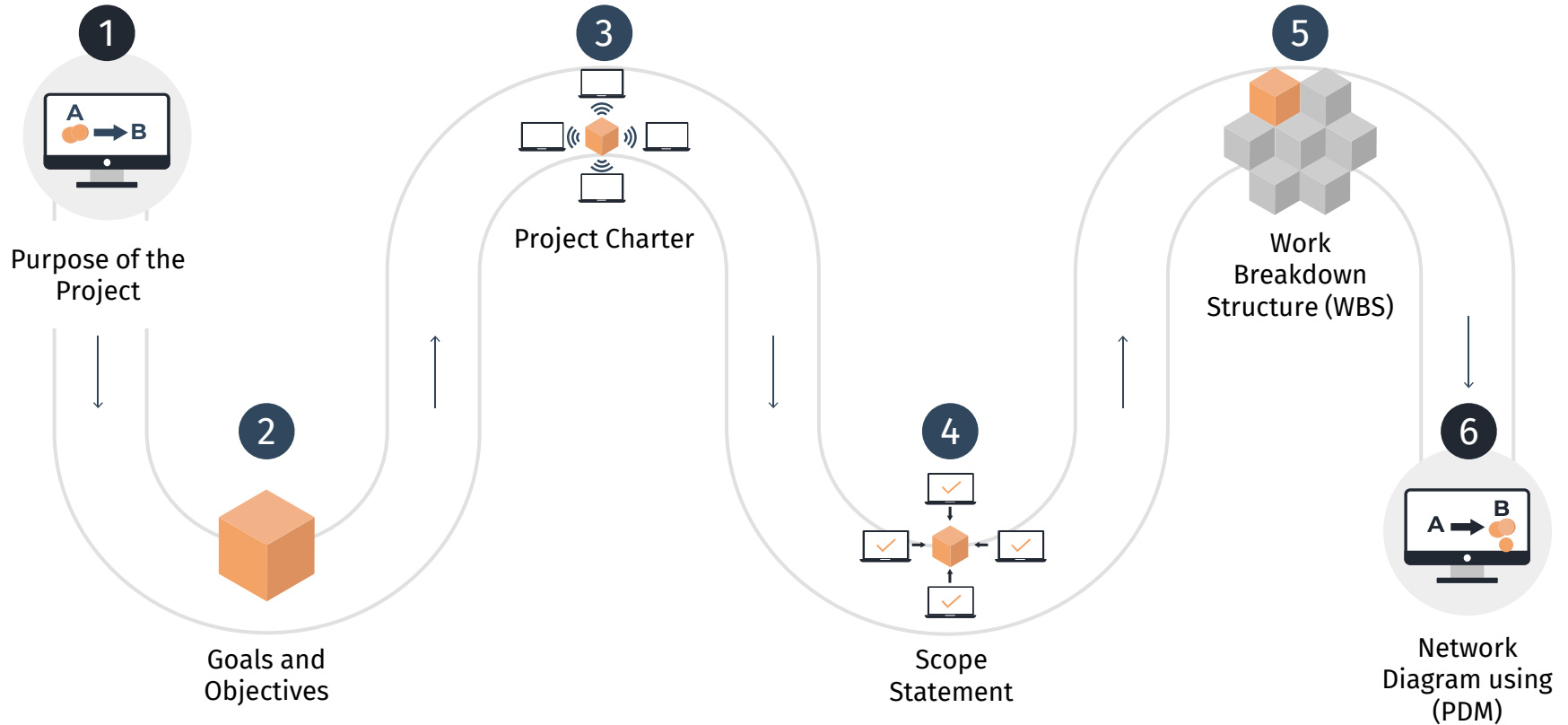
Pet Adoption System

I. Abeer Albluwi
HAR

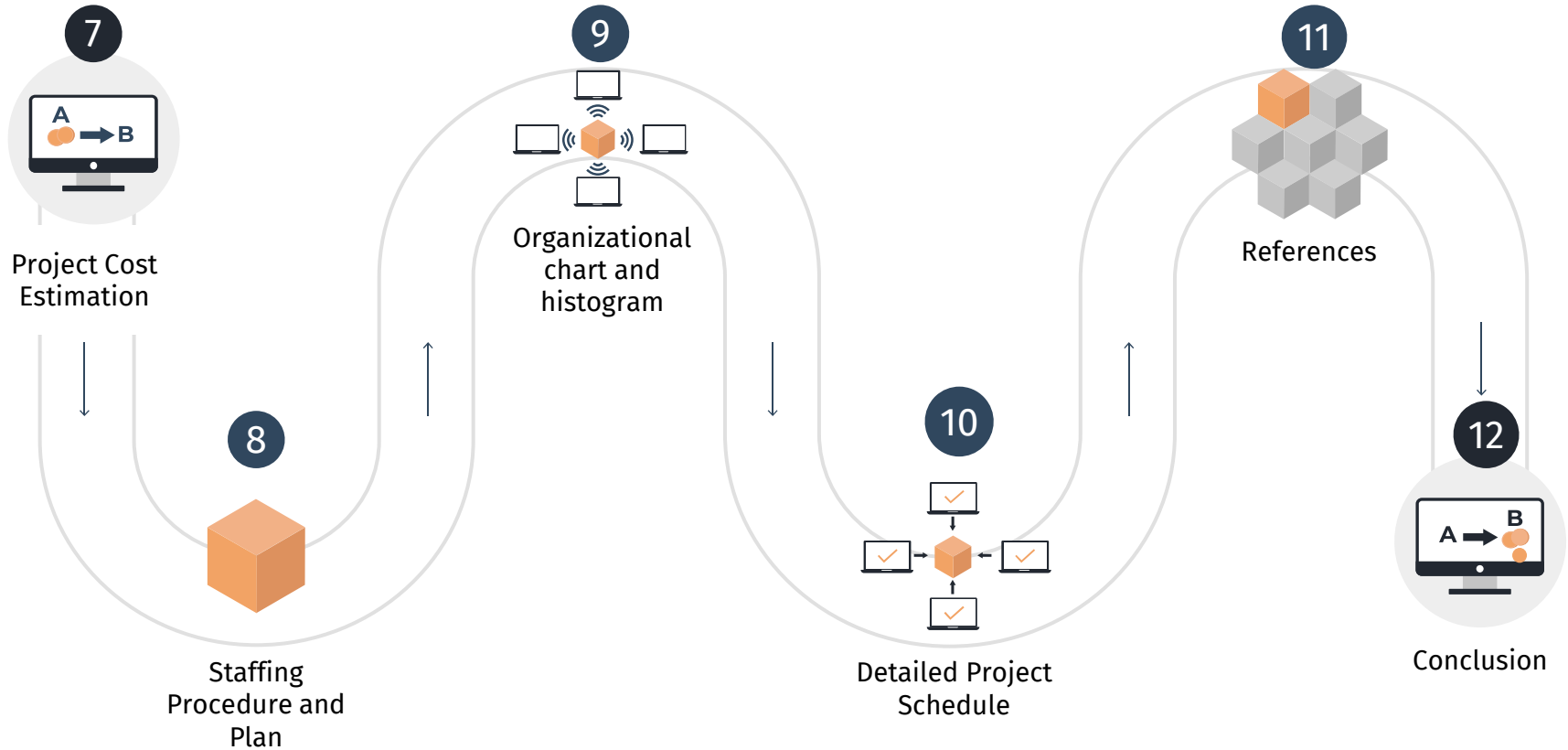
Elaf Yousef Aloufi	1911265
Manar Mutlaq Altairy	1906775
Shoug Alharthi	1905677



Content



Content



Purpose of the Project



01

Providing the opportunity to offer pets for adoption for people who are interested in adopting

02

Enable the user to provide assistance to homeless pets by reporting their location.

03

Provides a feature for app users to donate money for the shop and to buy supplies.

Our goal is to
build and design
an application
that solve this
problems

The diagram features a central light gray circle containing the goal text. Five arrows of different colors (orange, dark blue, light gray, dark blue, and orange) radiate from the right side of the circle to five numbered problem boxes. The boxes are arranged in two columns: three on the left (1, 2, 3) and two on the right (4, 5). Each box has a colored header with a number and a white background with black text.

1

People do not
have time to
look for shops
for adopting
pets

2

There are so
many stray
pets that need
home and care

3

Searching for
a specific pet
supply can be
difficult to find
in most stores

4

People do not
know where to
offer their pets
for adoption

5

People do not
know how to
support stores
financially

Project Charter

Project Title: Pet Adoption System	
Project Start Date: 13-02-2022	Project Finish Date: 17-07-2022
Budget Information: The sponsor has allocated 200,000 SAR for this project. Most of the cost will be for the software engineering and most of the work will focus on the executing phase.	
Project Manager: Muna Alsayad, (+966) 509117257, MunaSayad@gmail.com	

Objectives

Create a database that has all pet's information and supplies

Create interface application that allows the user to adopt a pet or buy supplies



Include notifications and online chatting with the customer service in the system

Consider any problems that may occur during the development of the system to make sure the system is error-free

Main Project Success Criteria



01

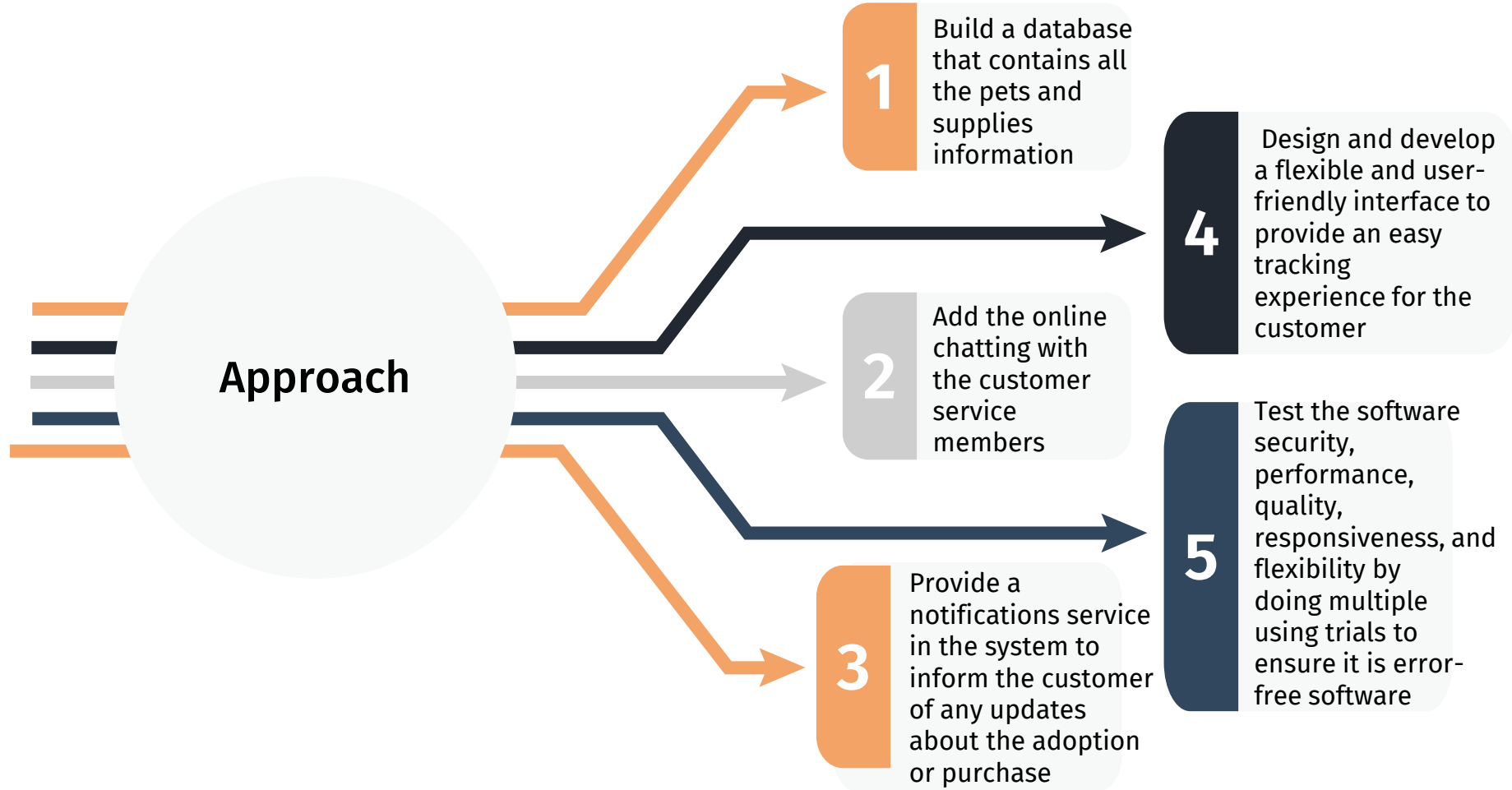
Ensuring the accuracy of the information

02

Gaining customer satisfaction and trust

03

The system's ability to withstand a huge number of visitors to be of high quality and reliability.



Roles and Responsibilities (Stakeholder Register)

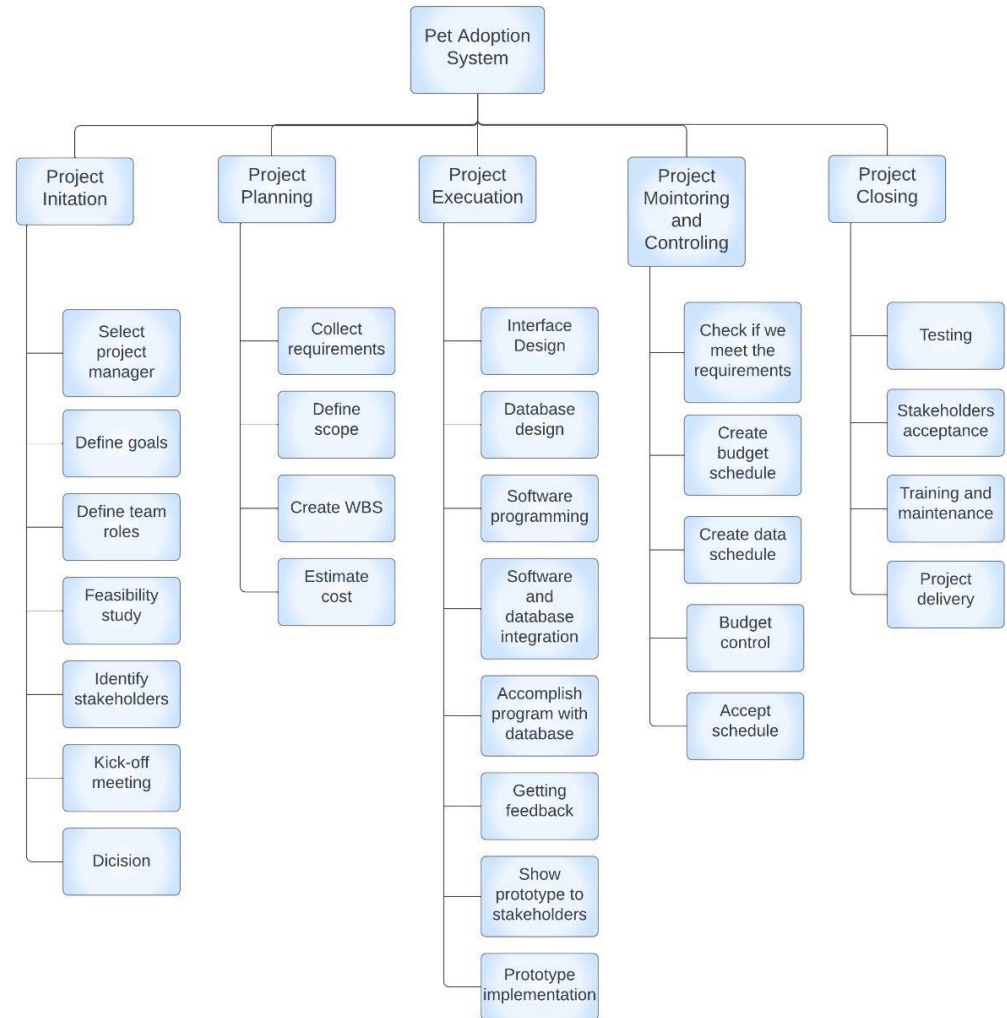
Name	Rule	Position	Contact information
Dana AlSaleh	CEO	Management	Dsaleh@gmail.com
Muna Alsayad	Project manager	Management	MunaSayad@gmail.com
Nujoud Alzhrani	Stakeholder	Management	Nj_Alzhrani@gmail.com
Hanin Aloufi	Financial advisor	Management	Hanin.y@gmail.com
Elaf Aloufi	Designer	Programmer	Elafyousef@gmail.com
Manar Altairy	System Analyst	Programmer	ManarAltaiary@gmail.com
Shoug Alharthi	Data Analyst	Management	Shog_Alharthi@gmail.com
Hanan Alharbi	Programmer	Programmer	HananAlharbi@gmail.com
Rahaf Almalki	Tester	Programmer	Rahaf_alm@gmail.com
Maha Alotaibi	Human resource manager	Management	Maha_alotibi@gmail.com



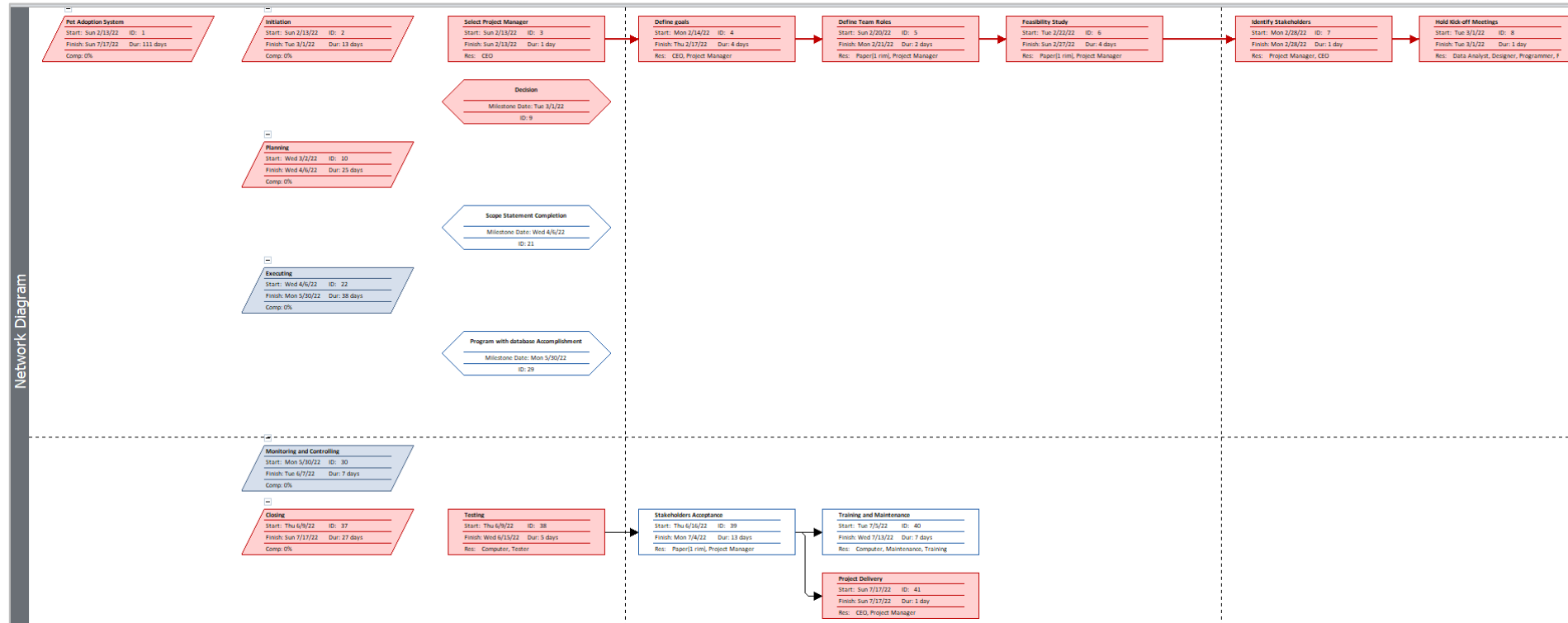
Scope Statement

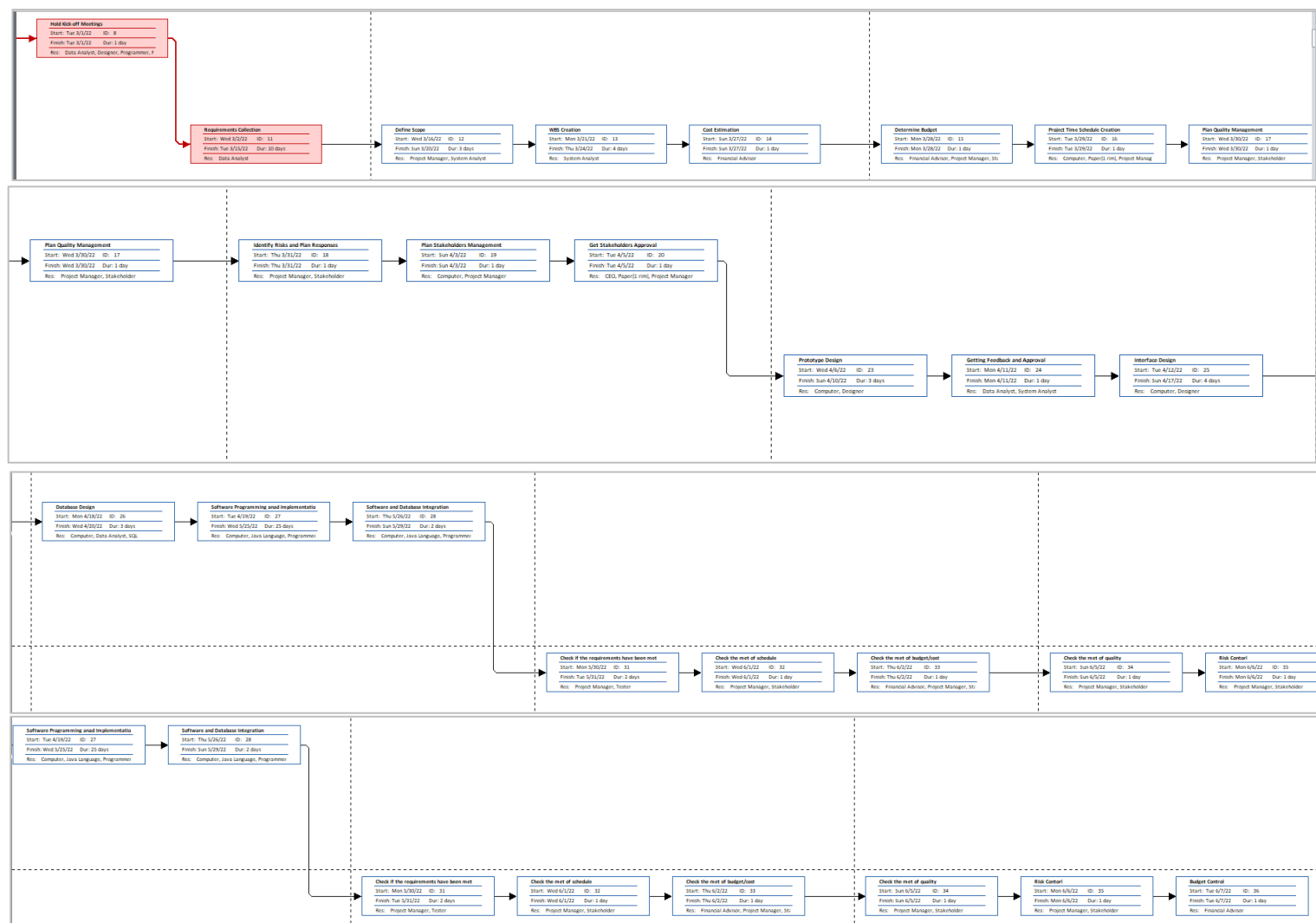
The project will require a database server to build a new database that contains the pets and supplies information, to store. Furthermore, the company will need to develop a map system software that covers the Makkah region as well as an application that provides tracking services.

Work Breakdown Structure (WBS)



Use of Precedence Diagram Method (PDM) to construct project schedule network diagram (Project Scheduling)





Project Cost Estimation



Project Statistics for 'Pet Adoption System'

	Start	Finish	
Current	Sun 2/13/22	Sun 7/17/22	
Baseline	Sun 2/13/22	Sun 7/17/22	
Actual	Sun 2/13/22	NA	
Variance	0d	0d	

	Duration	Work	Cost
Current	111d	1,576h	41,210.00 ر.س.
Baseline	111d	1,576h	41,210.00 ر.س.
Actual	35.67d	456h	19,608.00 ر.س.
Remaining	75.33d	1,120h	21,602.00 ر.س.

Percent complete:

Duration: 32%

Work: 29%

Close

Project Cost Estimation

	Task Name	Fixed Cost	Fixed Cost Accrual	Total Cost	Baseline	Variance	Actual	Remaining
1	Pet Adoption System	0.00 ر.س.	Prorated	4,410.00 ر.س.	2,730.00 ر.س.	11,680.00 ر.س.	0.00 ر.س.	44,410.00 ر.س.
2	Initiation	0.00 ر.س.	Prorated	1,364.00 ر.س.	1,364.00 ر.س.	0.00 ر.س.	0.00 ر.س.	11,364.00 ر.س.
3	Select Project Manager	0.00 ر.س.	Prorated	800.00 ر.س.	800.00 ر.س.	0.00 ر.س.	0.00 ر.س.	800.00 ر.س.
4	Define goals	0.00 ر.س.	Prorated	5,120.00 ر.س.	5,120.00 ر.س.	0.00 ر.س.	0.00 ر.س.	5,120.00 ر.س.
5	Define Team Roles	0.00 ر.س.	Prorated	962.00 ر.س.	962.00 ر.س.	0.00 ر.س.	0.00 ر.س.	962.00 ر.س.
6	Feasibility Study	0.00 ر.س.	Prorated	1,922.00 ر.س.	1,922.00 ر.س.	0.00 ر.س.	0.00 ر.س.	1,922.00 ر.س.
7	Identify Stakeholders	0.00 ر.س.	Prorated	1,280.00 ر.س.	1,280.00 ر.س.	0.00 ر.س.	0.00 ر.س.	1,280.00 ر.س.
8	Hold Kick-off Meetings	0.00 ر.س.	Prorated	1,280.00 ر.س.	1,280.00 ر.س.	0.00 ر.س.	0.00 ر.س.	1,280.00 ر.س.
9	Decision	0.00 ر.س.	Prorated	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.
10	Planning	0.00 ر.س.	Prorated	8,244.00 ر.س.	6,764.00 ر.س.	1,480.00 ر.س.	0.00 ر.س.	8,244.00 ر.س.
11	Requirements Collection	0.00 ر.س.	Prorated	1,600.00 ر.س.	1,600.00 ر.س.	0.00 ر.س.	0.00 ر.س.	1,600.00 ر.س.
12	Define Scope	0.00 ر.س.	Prorated	1,920.00 ر.س.	1,920.00 ر.س.	0.00 ر.س.	0.00 ر.س.	1,920.00 ر.س.
13	WBS Creation	0.00 ر.س.	Prorated	640.00 ر.س.	800.00 ر.س.	(160.00 ر.س.)	0.00 ر.س.	640.00 ر.س.
14	Cost Estimation	0.00 ر.س.	Prorated	200.00 ر.س.	200.00 ر.س.	0.00 ر.س.	0.00 ر.س.	200.00 ر.س.
15	Determine Budget	0.00 ر.س.	Prorated	680.00 ر.س.	0.00 ر.س.	680.00 ر.س.	0.00 ر.س.	680.00 ر.س.
16	Project Time Schedule Creation	0.00 ر.س.	Prorated	482.00 ر.س.	482.00 ر.س.	0.00 ر.س.	0.00 ر.س.	482.00 ر.س.
17	Plan Quality Management	0.00 ر.س.	Prorated	480.00 ر.س.	0.00 ر.س.	480.00 ر.س.	0.00 ر.س.	480.00 ر.س.
18	Identify Risks and Plan Responses	0.00 ر.س.	Prorated	480.00 ر.س.	0.00 ر.س.	480.00 ر.س.	0.00 ر.س.	480.00 ر.س.
19	Plan Stakeholders Management	0.00 ر.س.	Prorated	480.00 ر.س.	480.00 ر.س.	0.00 ر.س.	0.00 ر.س.	480.00 ر.س.
20	Get Stakeholders Approval	0.00 ر.س.	Prorated	1,282.00 ر.س.	1,282.00 ر.س.	0.00 ر.س.	0.00 ر.س.	1,282.00 ر.س.
21	Scope Statement Completion	0.00 ر.س.	Prorated	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.

Project Cost Estimation

	Task Name	Fixed Cost	Fixed Cost Accrual	Total Cost	Baseline	Variance	Actual	Remaining
22	▣ Executing	0.00 ر.س.	Prorated	9,680.00 ر.س.	9,280.00 ر.س.	400.00 ر.س.	0.00 ر.س.	9,680.00 ر.س.
23	Prototype Design	0.00 ر.س.	Prorated	480.00 ر.س.	480.00 ر.س.	0.00 ر.س.	0.00 ر.س.	480.00 ر.س.
24	Getting Feedback and Approval	0.00 ر.س.	Prorated	720.00 ر.س.	320.00 ر.س.	400.00 ر.س.	0.00 ر.س.	720.00 ر.س.
25	Interface Design	0.00 ر.س.	Prorated	640.00 ر.س.	640.00 ر.س.	0.00 ر.س.	0.00 ر.س.	640.00 ر.س.
26	Database Design	0.00 ر.س.	Prorated	480.00 ر.س.	480.00 ر.س.	0.00 ر.س.	0.00 ر.س.	480.00 ر.س.
27	Software Programming anad Implementation	0.00 ر.س.	Prorated	6,720.00 ر.س.	6,720.00 ر.س.	0.00 ر.س.	0.00 ر.س.	6,720.00 ر.س.
28	Software and Database Integration	0.00 ر.س.	Prorated	640.00 ر.س.	640.00 ر.س.	0.00 ر.س.	0.00 ر.س.	640.00 ر.س.
29	Program with database Accomplishment	0.00 ر.س.	Prorated	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.
30	▣ Monitoring and Controlling	0.00 ر.س.	Prorated	4,560.00 ر.س.	1,800.00 ر.س.	2,760.00 ر.س.	0.00 ر.س.	4,560.00 ر.س.
31	Check if the requirements have been met	0.00 ر.س.	Prorated	1,600.00 ر.س.	1,600.00 ر.س.	0.00 ر.س.	0.00 ر.س.	1,600.00 ر.س.
32	Check the met of schedule	0.00 ر.س.	Prorated	640.00 ر.س.	0.00 ر.س.	640.00 ر.س.	0.00 ر.س.	640.00 ر.س.
33	Check the met of budget/cost	0.00 ر.س.	Prorated	840.00 ر.س.	0.00 ر.س.	840.00 ر.س.	0.00 ر.س.	840.00 ر.س.
34	Check the met of quality	0.00 ر.س.	Prorated	640.00 ر.س.	0.00 ر.س.	640.00 ر.س.	0.00 ر.س.	640.00 ر.س.
35	Risk Contorl	0.00 ر.س.	Prorated	640.00 ر.س.	0.00 ر.س.	640.00 ر.س.	0.00 ر.س.	640.00 ر.س.
36	Budget Control	0.00 ر.س.	Prorated	200.00 ر.س.	200.00 ر.س.	0.00 ر.س.	0.00 ر.س.	200.00 ر.س.
37	▣ Closing	0.00 ر.س.	Prorated	0,562.00 ر.س.	3,522.00 ر.س.	7,040.00 ر.س.	0.00 ر.س.	10,562.00 ر.س.
38	Testing	0.00 ر.س.	Prorated	800.00 ر.س.	800.00 ر.س.	0.00 ر.س.	0.00 ر.س.	800.00 ر.س.
39	Stakeholders Acceptance	0.00 ر.س.	Prorated	8,322.00 ر.س.	1,282.00 ر.س.	7,040.00 ر.س.	0.00 ر.س.	8,322.00 ر.س.
40	Training and Maintenance	0.00 ر.س.	Prorated	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.
41	Project Delivery	0.00 ر.س.	Prorated	1,440.00 ر.س.	1,440.00 ر.س.	0.00 ر.س.	0.00 ر.س.	1,440.00 ر.س.
42	⊕ Weekly Meeting	0.00 ر.س.	Prorated	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.	0.00 ر.س.

Staffing Procedure and Plan (HR Management)

Design a job advertisement that includes all the skills and experience we will need for the project

Post the advertisement on employment-oriented websites such as LinkedIn

Evaluate and choose the applicants' CVs based on their skills and years of experience

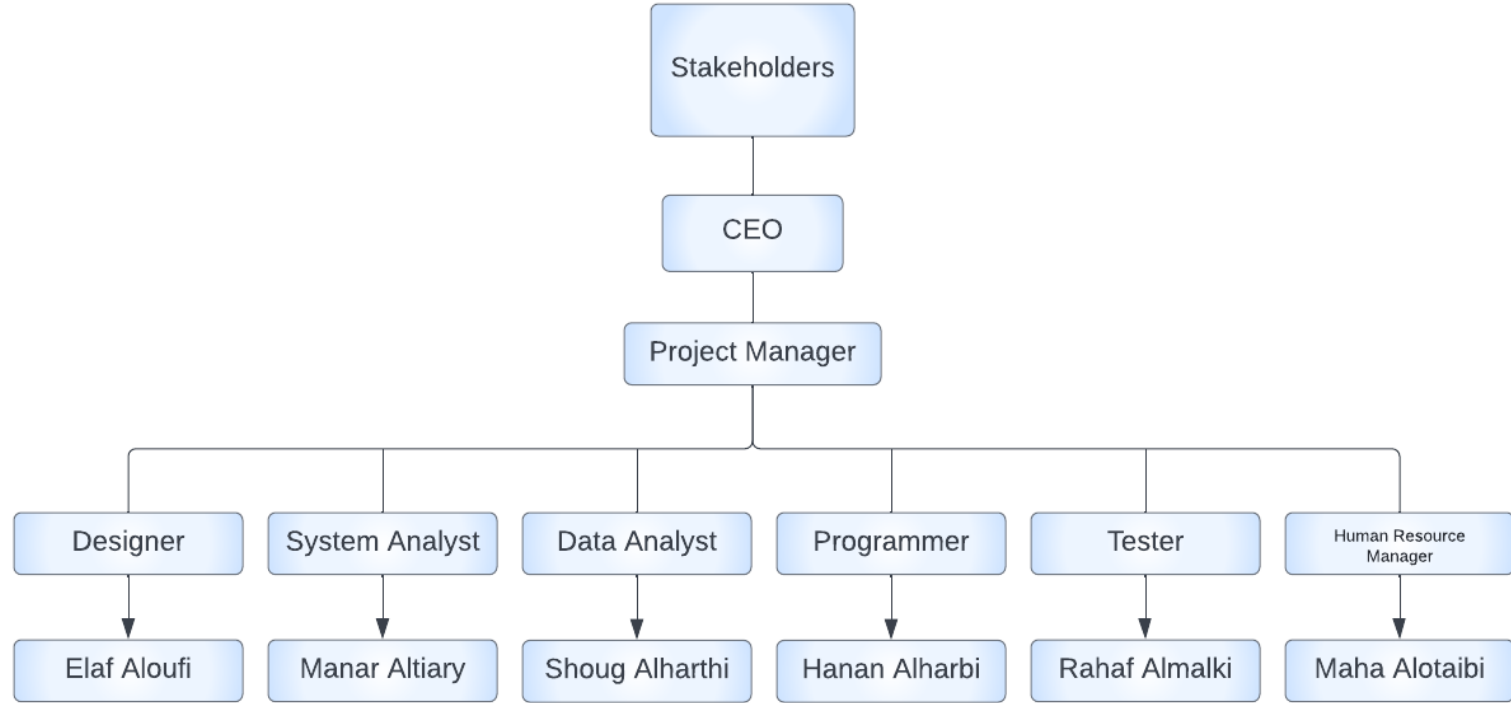


Hold an interview for those who met the wanted requirements

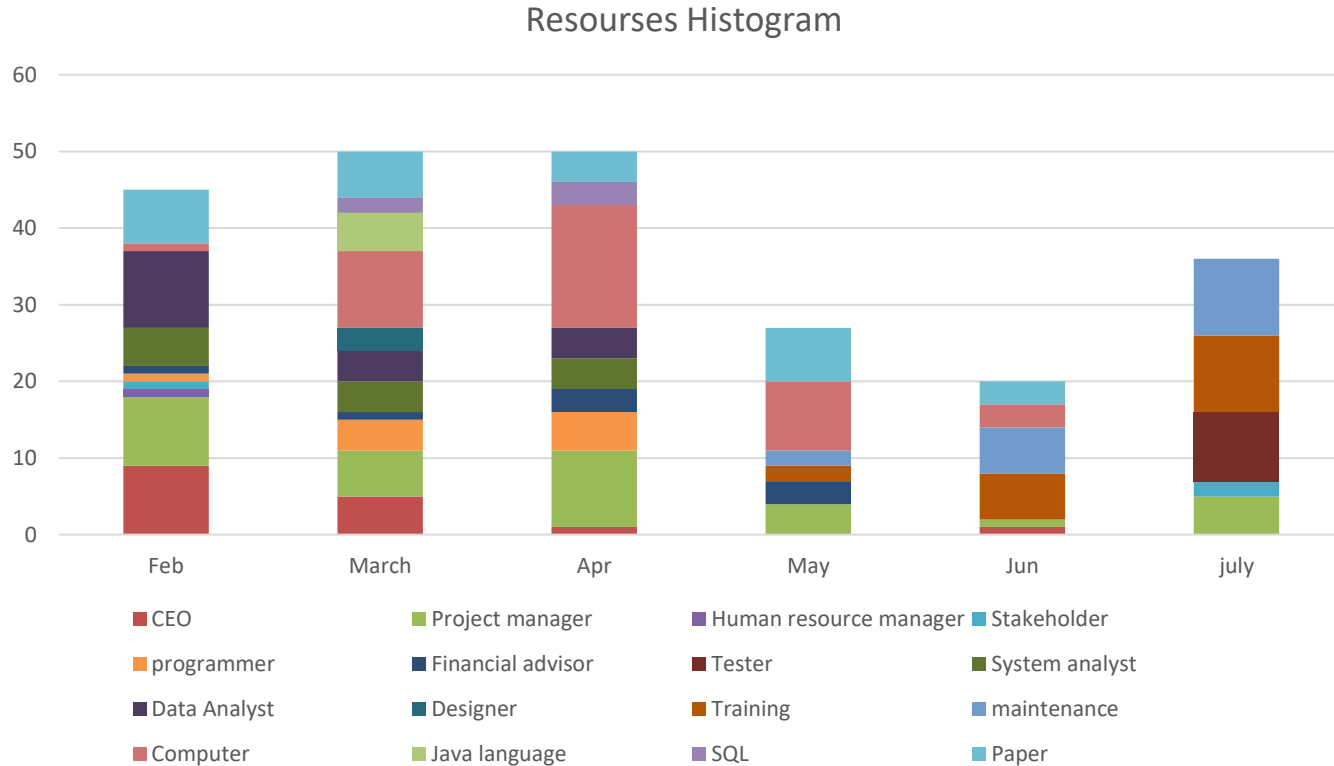
Sign job contract with the qualified applicants that were accepted after the interview

Introduce employees to the job environment and project's scope

Organizational chart and histogram (HR Management)



Organizational chart and histogram (HR Management)



Practical part



Detailed Project Schedule (MS Project)

General project information, such as the project name and start date

Project Information for 'Pet Adoption System'

Start date: Sun 2/13/22 Current date: Fri 4/1/22

Finish date: Sun 7/17/22 Status date: NA

Schedule from: Project Start Date Calendar: PetAdoption_project

All tasks begin as soon as possible. Priority: 500

Enterprise Custom Fields

Department:

Custom Field Name	Value
-------------------	-------

Help Statistics... OK Cancel

Calendar settings for the project based on the organization's work-nonwork days

Calendar settings for the project based on the organization's work-nonwork days

Change Working Time

For calendar: PetAdoption_project (Project Calendar)

Create New Calendar ...

Calendar 'PetAdoption_project' is a base calendar.

Legend:

Working

Nonworking

31 Edited working hours

On this calendar:

31 Exception day

31 Nondefault work week

Click on a day to see its working

April 2022

S	M	T	W	Th	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

April 1, 2022 is nonworking.

Based on:
Default work week on calendar 'PetAdoption_project'.

Exceptions Work Weeks

Name	Start	Finish

Details...

Delete

Help


















Options...

OK

Cancel




























Detailed Project Schedule (MS Project)

Names of summary tasks (Phases)

		Task Moc	WBS	Task Name	Duration	Start	Finish
1			1	 Pet Adoption System	111 days	Sun 2/13/22	Sun 7/17/22
2			1.1	 Initiation	13 days	Sun 2/13/22	Tue 3/1/22
10			1.2	 Planning	26 days	Wed 3/2/22	Wed 4/6/22
22			1.3	 Executing	38 days	Thu 4/7/22	Mon 5/30/22
30			1.4	 Monitoring and Controlling	7 days	Tue 5/31/22	Wed 6/8/22
37			1.5	 Closing	27 days	Thu 6/9/22	Sun 7/17/22
42	 		1.6	 Weekly Meeting	90.38 days	Mon 2/14/22	Mon 6/20/22

Detailed Project Schedule (MS Project)

Names of subtasks – Task Duration

		Task MOC	WBS	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Cost
1			1	Pet Adoption System	111 days	Sun 2/13/22	Sun 7/17/22			44,170.00 ر.س.
2			1.1	Initiation	13 days	Sun 2/13/22	Tue 3/1/22			11,364.00 ر.س.
3			1.1.1	Select Project Manager	1 day	Sun 2/13/22	Sun 2/13/22		CEO	800.00 ر.س.
4			1.1.2	Define goals	4 days	Mon 2/14/22	Thu 2/17/22	3	CEO,Project Manager	5,120.00 ر.س.
5			1.1.3	Define Team Roles	2 days	Sun 2/20/22	Mon 2/21/22	4SS	Paper[1 rim],Project Manager	962.00 ر.س.
6			1.1.4	Feasibility Study	4 days	Tue 2/22/22	Sun 2/27/22	5	Paper[1 rim],Project Manager	1,922.00 ر.س.
7			1.1.5	Identify Stakeholders	1 day	Mon 2/28/22	Mon 2/28/22	6	Project Manager,CEO	1,280.00 ر.س.
8			1.1.6	Hold Kick-off Meetings	1 day	Tue 3/1/22	Tue 3/1/22	7	Data Analyst,Designer,Programmer,Project Manager,Syste	1,280.00 ر.س.
9			1.1.7	Decision	0 days	Tue 3/1/22	Tue 3/1/22		Project Manager	0.00 ر.س.
10			1.2	Planning	26 days	Wed 3/2/22	Wed 4/6/22			8,404.00 ر.س.
11			1.2.1	Requirements Collection	10 days	Wed 3/2/22	Tue 3/15/22	8	Data Analyst	1,600.00 ر.س.
12			1.2.2	Define Scope	3 days	Wed 3/16/22	Sun 3/20/22	11	Project Manager,System Analyst	1,920.00 ر.س.
13			1.2.3	WBS Creation	5 days	Mon 3/21/22	Sun 3/27/22	12	System Analyst	800.00 ر.س.
14			1.2.4	Cost Estimation	1 day	Mon 3/28/22	Mon 3/28/22	13	Financial Advisor	200.00 ر.س.
15			1.2.5	Determine Budget	1 day	Tue 3/29/22	Tue 3/29/22	14	Financial Advisor,Project Manager,Stakeholder	680.00 ر.س.
16			1.2.6	Project Time Schedule Creation	1 day	Wed 3/30/22	Wed 3/30/22	15	Computer,Paper[1 rim],Project Manager	482.00 ر.س.
17			1.2.7	Plan Quality Management	1 day	Thu 3/31/22	Thu 3/31/22	16	Project Manager,Stakeholder	480.00 ر.س.
18			1.2.8	Identify Risks and Plan Responses	1 day	Sun 4/3/22	Sun 4/3/22	17	Project Manager,Stakeholder	480.00 ر.س.
19			1.2.9	Plan Stakeholders Management	1 day	Mon 4/4/22	Mon 4/4/22	18	Computer,Project Manager	480.00 ر.س.
20			1.2.10	Get Stakeholders Approval	1 day	Wed 4/6/22	Wed 4/6/22	19FS+1 day	CEO,Paper[1 rim],Project Manager	1,282.00 ر.س.
21			1.2.11	Scope Statement Completion	0 days	Wed 4/6/22	Wed 4/6/22			0.00 ر.س.

Detailed Project Schedule (MS Project)
















Names of subtasks – Task Duration

		Task Moc	WBS	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Cost
22			1.3	Executing	38 days	Thu 4/7/22	Mon 5/30/22			ر.س. 9,280.00
23			1.3.1	Prototype Design	3 days	Thu 4/7/22	Mon 4/11/22	20	Computer,Designer	ر.س. 480.00
24			1.3.2	Getting Feedback and Approval	1 day	Tue 4/12/22	Tue 4/12/22	23	Data Analyst,System Analyst	ر.س. 320.00
25			1.3.3	Interface Design	4 days	Wed 4/13/22	Mon 4/18/22	24	Computer,Designer	ر.س. 640.00
26			1.3.4	Database Design	3 days	Tue 4/19/22	Thu 4/21/22	25	Computer,Data Analyst,SQL	ر.س. 480.00
27			1.3.5	Software Programming anad Implementation	25 days	Wed 4/20/22	Thu 5/26/22	26FS-2 days	Computer,Java Language,Programmer	ر.س. 6,720.00
28			1.3.6	Software and Database Integration	2 days	Sun 5/29/22	Mon 5/30/22	27	Computer,Java Language,Programmer	ر.س. 640.00
29			1.3.7	Program with database Accomplishment	0 days	Mon 5/30/22	Mon 5/30/22			ر.س. 0.00
30			1.4	Monitoring and Controlling	7 days	Tue 5/31/22	Wed 6/8/22			ر.س. 4,560.00
31			1.4.1	Check if the requirements have been met	2 days	Tue 5/31/22	Wed 6/1/22	28	Project Manager,Tester	ر.س. 1,600.00
32			1.4.2	Check the met of schedule	1 day	Thu 6/2/22	Thu 6/2/22	31	Project Manager,Stakeholder	ر.س. 640.00
33			1.4.3	Check the met of budget/cost	1 day	Sun 6/5/22	Sun 6/5/22	32	Financial Advisor,Project Manager,Stakeholder	ر.س. 840.00
34			1.4.4	Check the met of quality	1 day	Mon 6/6/22	Mon 6/6/22	33	Project Manager,Stakeholder	ر.س. 640.00
35			1.4.5	Risk Contorl	1 day	Tue 6/7/22	Tue 6/7/22	34	Project Manager,Stakeholder	ر.س. 640.00
36			1.4.6	Budget Control	1 day	Wed 6/8/22	Wed 6/8/22	35	Financial Advisor	ر.س. 200.00
37			1.5	Closing	27 days	Thu 6/9/22	Sun 7/17/22			ر.س. 10,562.00
38			1.5.1	Testing	5 days	Thu 6/9/22	Wed 6/15/22		Computer,Tester	ر.س. 800.00
39			1.5.2	Stakeholders Acceptance	13 days	Thu 6/16/22	Mon 7/4/22	38	Paper[1 rim],Project Manager	ر.س. 8,322.00
40			1.5.3	Training and Maintenance	7 days	Tue 7/5/22	Wed 7/13/22	39	Computer,Maintenance,Training	ر.س. 0.00
41			1.5.4	Project Delivery	1 day	Sun 7/17/22	Sun 7/17/22	39FS+2 days	CEO,Project Manager	ر.س. 1,440.00
42			1.6	Weekly Meeting	90.38 days	Mon 2/14/22	Mon 6/20/22			ر.س. 0.00

Detailed Project Schedule (MS Project)

Relationships configuration between tasks

FS Type

10			1.2	 Planning	26 days	Wed 3/2/22	Wed 4/6/22	
11			1.2.1	Requirements Collection	10 days	Wed 3/2/22	Tue 3/15/22	8
12			1.2.2	Define Scope	3 days	Wed 3/16/22	Sun 3/20/22	11
13			1.2.3	WBS Creation	5 days	Mon 3/21/22	Sun 3/27/22	12
14			1.2.4	Cost Estimation	1 day	Mon 3/28/22	Mon 3/28/22	13
15			1.2.5	Determine Budget	1 day	Tue 3/29/22	Tue 3/29/22	14
16			1.2.6	Project Time Schedule Creation	1 day	Wed 3/30/22	Wed 3/30/22	15
17			1.2.7	Plan Quality Management	1 day	Thu 3/31/22	Thu 3/31/22	16
18			1.2.8	Identify Risks and Plan Responses	1 day	Sun 4/3/22	Sun 4/3/22	17
19			1.2.9	Plan Stakeholders Management	1 day	Mon 4/4/22	Mon 4/4/22	18
20			1.2.10	Get Stakeholders Approval	1 day	Wed 4/6/22	Wed 4/6/22	19FS+1 day

Detailed Project Schedule (MS Project)

SS Type

2		1.1	 Initiation	13 days	Sun 2/13/22	Tue 3/1/22	
3		1.1.1	Select Project Manager	1 day	Sun 2/13/22	Sun 2/13/22	
4		1.1.2	Define goals	4 days	Mon 2/14/22	Thu 2/17/22	3
5		1.1.3	Define Team Roles	2 days	Sun 2/20/22	Mon 2/21/22	4SS

Milestones (at least 2 milestones)

2		1.1	Initiation	13 days	Sun 2/13/22	Tue 3/1/22		
3		1.1.1	Select Project Manager	1 day	Sun 2/13/22	Sun 2/13/22		CEO
4		1.1.2	Define goals	4 days	Mon 2/14/22	Thu 2/17/22	3	CEO,Project Manager
5		1.1.3	Define Team Roles	2 days	Sun 2/20/22	Mon 2/21/22	4SS	Paper[1 rim],Project Manager
6		1.1.4	Feasibility Study	4 days	Tue 2/22/22	Sun 2/27/22	5	Paper[1 rim],Project Manager
7		1.1.5	Identify Stakeholders	1 day	Mon 2/28/22	Mon 2/28/22	6	Project Manager,CEO
8		1.1.6	Hold Kick-off Meetings	1 day	Tue 3/1/22	Tue 3/1/22	7	Data Analyst,Designer,Programmer,Project Manager,System Analyst
9		1.1.7	Decision	0 days	Tue 3/1/22	Tue 3/1/22		Project Manager
10		1.2	Planning	26 days	Wed 3/2/22	Wed 4/6/22		
11		1.2.1	Requirements Collection	10 days	Wed 3/2/22	Tue 3/15/22	8	Data Analyst
12		1.2.2	Define Scope	3 days	Wed 3/16/22	Sun 3/20/22	11	Project Manager,System Analyst
13		1.2.3	WBS Creation	5 days	Mon 3/21/22	Sun 3/27/22	12	System Analyst
14		1.2.4	Cost Estimation	1 day	Mon 3/28/22	Mon 3/28/22	13	Financial Advisor
15		1.2.5	Determine Budget	1 day	Tue 3/29/22	Tue 3/29/22	14	Financial Advisor,Project Manager,Stakeholder
16		1.2.6	Project Time Schedule Creation	1 day	Wed 3/30/22	Wed 3/30/22	15	Computer,Paper[1 rim],Project Manager
17		1.2.7	Plan Quality Management	1 day	Thu 3/31/22	Thu 3/31/22	16	Project Manager,Stakeholder
18		1.2.8	Identify Risks and Plan Responses	1 day	Sun 4/3/22	Sun 4/3/22	17	Project Manager,Stakeholder
19		1.2.9	Plan Stakeholders Management	1 day	Mon 4/4/22	Mon 4/4/22	18	Computer,Project Manager
20		1.2.10	Get Stakeholders Approval	1 day	Wed 4/6/22	Wed 4/6/22	19FS+1 day	CEO,Paper[1 rim],Project Manager
21		1.2.11	Scope Statement Completion	0 days	Wed 4/6/22	Wed 4/6/22		
22		1.3	Executing	38 days	Thu 4/7/22	Mon 5/30/22		
23		1.3.1	Prototype Design	3 days	Thu 4/7/22	Mon 4/11/22	20	Computer,Designer
24		1.3.2	Getting Feedback and Approval	1 day	Tue 4/12/22	Tue 4/12/22	23	Data Analyst,System Analyst
25		1.3.3	Interface Design	4 days	Wed 4/13/22	Mon 4/18/22	24	Computer,Designer
26		1.3.4	Database Design	3 days	Tue 4/19/22	Thu 4/21/22	25	Computer,Data Analyst,SQL
27		1.3.5	Software Programming and Implementation	25 days	Wed 4/20/22	Thu 5/26/22	26FS-2 days	Computer,Java Language,Programmer
28		1.3.6	Software and Database Integration	2 days	Sun 5/29/22	Mon 5/30/22	27	Computer,Java Language,Programmer
29		1.3.7	Program with database Accomplishment	0 days	Mon 5/30/22	Mon 5/30/22		

Detailed Project Schedule (MS Project)

Recurring task that should be repeated once a week on Monday until the finish date.

Recurring Task Information

Task Name: Duration:

Recurrence pattern

☐ Daily Recur every week(s) on:

☒ Wednesday

☐ Monthly ☐ Sunday ☒ Monday ☐ Tuesday ☐ Wednesday

☐ Yearly ☐ Thursday ☐ Friday ☐ Saturday

Range of recurrence


Start: ☐ End after: occurrences

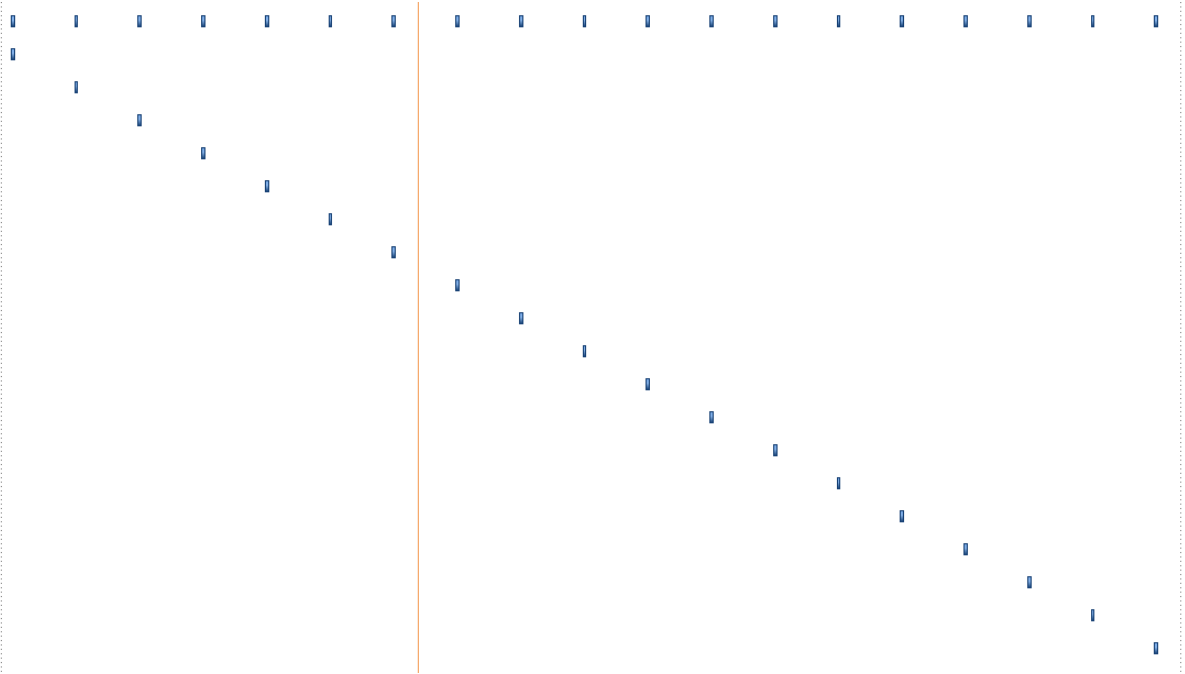
☒ End by:

Calendar for scheduling this task

Calendar: ☐ Scheduling ignores resource calendars

	Task Mo	WBS	Task Name	Duration	Start	Finish
42		1.6	Weekly Meeting	90.38 days	Mon 2/14/22	Mon 6/20/22
43		1.6.1	Weekly Meeting 1	3 hrs	Mon 2/14/22	Mon 2/14/22
44		1.6.2	Weekly Meeting 2	3 hrs	Mon 2/21/22	Mon 2/21/22
45		1.6.3	Weekly Meeting 3	3 hrs	Mon 2/28/22	Mon 2/28/22
46		1.6.4	Weekly Meeting 4	3 hrs	Mon 3/7/22	Mon 3/7/22
47		1.6.5	Weekly Meeting 5	3 hrs	Mon 3/14/22	Mon 3/14/22
48		1.6.6	Weekly Meeting 6	3 hrs	Mon 3/21/22	Mon 3/21/22
49		1.6.7	Weekly Meeting 7	3 hrs	Mon 3/28/22	Mon 3/28/22
50		1.6.8	Weekly Meeting 8	3 hrs	Mon 4/4/22	Mon 4/4/22
51		1.6.9	Weekly Meeting 9	3 hrs	Mon 4/11/22	Mon 4/11/22
52		1.6.10	Weekly Meeting 10	3 hrs	Mon 4/18/22	Mon 4/18/22
53		1.6.11	Weekly Meeting 11	3 hrs	Mon 4/25/22	Mon 4/25/22
54		1.6.12	Weekly Meeting 12	3 hrs	Mon 5/2/22	Mon 5/2/22
55		1.6.13	Weekly Meeting 13	3 hrs	Mon 5/9/22	Mon 5/9/22
56		1.6.14	Weekly Meeting 14	3 hrs	Mon 5/16/22	Mon 5/16/22
57		1.6.15	Weekly Meeting 15	3 hrs	Mon 5/23/22	Mon 5/23/22
58		1.6.16	Weekly Meeting 16	3 hrs	Mon 5/30/22	Mon 5/30/22
59		1.6.17	Weekly Meeting 17	3 hrs	Mon 6/6/22	Mon 6/6/22
60		1.6.18	Weekly Meeting 18	3 hrs	Mon 6/13/22	Mon 6/13/22
61		1.6.19	Weekly Meeting 19	3 hrs	Mon 6/20/22	Mon 6/20/22

42	 Weekly Meeting
43	Weekly Meeting 1
44	Weekly Meeting 2
45	Weekly Meeting 3
46	Weekly Meeting 4
47	Weekly Meeting 5
48	Weekly Meeting 6
49	Weekly Meeting 7
50	Weekly Meeting 8
51	Weekly Meeting 9
52	Weekly Meeting 10
53	Weekly Meeting 11
54	Weekly Meeting 12
55	Weekly Meeting 13
56	Weekly Meeting 14
57	Weekly Meeting 15
58	Weekly Meeting 16
59	Weekly Meeting 17
60	Weekly Meeting 18
61	Weekly Meeting 19



Project should contain all 3 types (work, material and cost) of resources and enter all their information in resource sheet.

	i	Resource Name	Type	Material	Initials	Group	Max.	Std. Rate	Ovt. Rate	Cost/Use	Accrue At	Base Calendar
1		CEO	Work		CEO		100%	100.00 ر.س./hr	0.00 ر.س./hr	0.00 ر.س.	Prorated	PetAdoption_p
2		Project Manager	Work		PM		100%	60.00 ر.س./hr	50.00 ر.س./hr	0.00 ر.س.	Prorated	PetAdoption_p
3		Human Resource Manager	Work		H		100%	30.00 ر.س./hr	40.00 ر.س./hr	0.00 ر.س.	Prorated	PetAdoption_p
4		Stakeholder	Work		S		100%	0.00 ر.س./hr	0.00 ر.س./hr	0.00 ر.س.	Prorated	PetAdoption_p
5		Programmer	Work		PR		100%	40.00 ر.س./hr	50.00 ر.س./hr	0.00 ر.س.	Prorated	PetAdoption_p
6		Financial Advisor	Work		F		100%	25.00 ر.س./hr	0.00 ر.س./hr	0.00 ر.س.	End	PetAdoption_p
7		Tester	Work		T		100%	20.00 ر.س./hr	0.00 ر.س./hr	0.00 ر.س.	End	PetAdoption_p
8		System Analyst	Work		SA		100%	20.00 ر.س./hr	0.00 ر.س./hr	0.00 ر.س.	Prorated	PetAdoption_p
9		Data Analyst	Work		DA		100%	20.00 ر.س./hr	0.00 ر.س./hr	0.00 ر.س.	Prorated	PetAdoption_p
10		Designer	Work		D		100%	20.00 ر.س./hr	0.00 ر.س./hr	0.00 ر.س.	Prorated	PetAdoption_p
11		Training	Cost		TR						Prorated	
12		Maintenance	Cost		M						Prorated	
13		Computer	Work		C		100%	0.00 ر.س./hr	0.00 ر.س./hr	0.00 ر.س.	Prorated	PetAdoption_p
14		Java Language	Work		J		100%	0.00 ر.س./hr	0.00 ر.س./hr	0.00 ر.س.	Prorated	PetAdoption_p
15		SQL	Work		SQL		100%	0.00 ر.س./hr	0.00 ر.س./hr	0.00 ر.س.	Prorated	PetAdoption_p
16		Paper	Material	rim	P			2.00 ر.س.		0.00 ر.س.	Prorated	

At least two tasks have constraint

Task Information ✕

General | Predecessors | Resources | Advanced | Notes | Custom Fields

Name: Duration: ☐ Estimated

Constrain task

Deadline:

Constraint type: Constraint date:

Task type: ☐ Effort driven

Calendar: ☐ Scheduling ignores resource calendars

WBS code:

Earned value method:

☐ Mark task as milestone

At least two tasks have constraint

Task Information ✕

General | Predecessors | Resources | Advanced | Notes | Custom Fields

Name: Duration: ☐ Estimated

Constrain task

Deadline:

Constraint type: Constraint date:

Task type: ☐ Effort driven

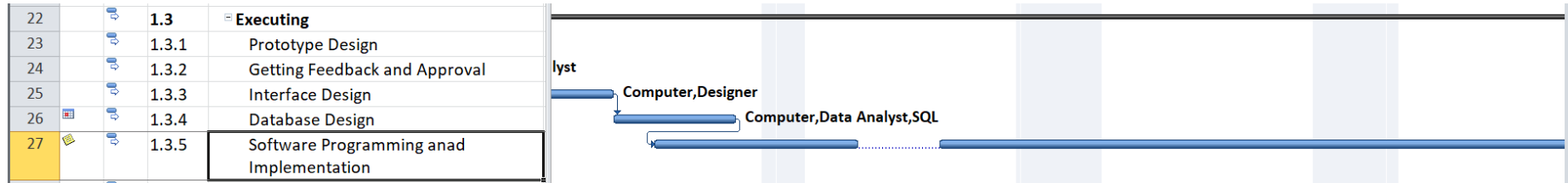
Calendar: ☐ Scheduling ignores resource calendars

WBS code:

Earned value method:

☐ Mark task as milestone

At least one task had interrupting for two days



One task with fixed duration and other task with fixed work
(fixed duration)

WBS Creation	Task Information					
Cost Estimation	General Predecessors Resources Advanced Notes Custom Fields					
Determine Budget	Name: WBS Creation		Duration: 4 days		<input type="checkbox"/> Estimated	
Project Time Schedule	Constrain task					
Plan Quality Manager	Deadline: NA					
Identify Risks and Plan	Constraint type: As Soon As Possible		Constraint date: NA			
Plan Stakeholders Ma	Task type: Fixed Duration		<input type="checkbox"/> Effort driven			
Get Stakeholders App	Calendar: None		<input type="checkbox"/> Scheduling ignores resource calendars			
Scope Statement Com	WBS code: 1.2.3					
▢ Executing	Earned value method: % Complete					
Prototype Design	<input type="checkbox"/> Mark task as milestone					
Getting Feedback and	Help		OK		Cancel	
Interface Design						
Database Design						
Software Programmin						
Implementation						
Software and Databa						
Program with databa						

One task with fixed duration and other task with fixed work (fixed work)

Cost Estimation	1 day	Mon 3/28/22	Mon 3/28/22	12	Financial Advisor
Determine Budget					
Project Time Schedule Creation					
Plan Quality Management					
Identify Risks and Plan Response					
Plan Stakeholders Management					
Get Stakeholders Approval					
Scope Statement Completion					
Executing					
Prototype Design					
Getting Feedback and Approval					
Interface Design					
Database Design					
Software Programming and Implementation					
Software and Database Integration					
Program with database					
Accomplishment					

Task Information

General | Predecessors | Resources | Advanced | Notes | Custom Fields

Name: Duration: ☐ Estimated

Constrain task

Deadline:

Constraint type: Constraint date:

Task type: ☒ Effort driven

Calendar: ☐ Scheduling ignores resource calendars

WBS code:

Earned value method:

☐ Mark task as milestone

At least one person of your resource has a multiple pay rate depend on task and you should attach these different pay rates to his tasks

Project Manager	Work
Human Resource Manager	Work
Stakeholder	Work
Programmer	Work
Financial Advisor	Work
Tester	Work
System Analyst	Work
Data Analyst	Work
Designer	Work
Training	Cost
Maintenance	Cost
Computer	Work
Java Language	Work
SQL	Work
Paper	Material

Resource Information ✕

General **Costs** Notes Custom Fields

Resource Name:

Cost rate tables

For rates, enter a value or a percentage increase or decrease from the previous rate. For instance, if a resource's Per Use Cost is reduced by 20%, type -20%.

A (Default) B C D E

	70.00 ر.س./h			
	Effective Date	Standard Rate	Overtime Rate	Per Use Cost
	--	70.00 ر.س./h	0.00 ر.س./h	0.00 ر.س.

Cost accrual:

Help

Details...

OK

Cancel

Hold Kick-off Mee	8 hrs	
Define Scope	24 hrs	
WBS Creation	32 hrs	
Getting Feedback	8 hrs	
+ Data Analyst	120 hrs	
+ Designer	64 hrs	
+ Training		
+ Maintenance		
+ Computer	376 hrs	
[-] Java Language	184 hrs	
Software Program	168 hrs	
Software and Data	16 hrs	
[-] SQL	24 hrs	
Database Design	24 hrs	
[-] Paper	5 rim	

Assignment Information

General | Tracking | Notes

Task: Getting Feedback and Approval

Resource: System Analyst

Work: 8h Units: 100%

Work contour: Flat

Start: Mon 4/11/22 Booking type: Committed

Finish: Mon 4/11/22 Cost: 160.00 ر.س.

Cost rate table: B Assignment Owner:

OK Cancel

At least one person resource has a multiple pay rate depend on time

Project Manager	Work
Human Resource Manager	Work
Stakeholder	Work
Programmer	Work
Financial Advisor	Work
Tester	Work
System Analyst	Work
Data Analyst	Work
Designer	Work
Training	Cost
Maintenance	Cost
Computer	Work
Java Language	Work
SQL	Work
Paper	Material

Resource Information

General

Costs

Notes

Custom Fields

Resource Name:

Cost rate tables

For rates, enter a value or a percentage increase or decrease from the previous rate. For instance, if a resource's Per Use Cost is reduced by 20%, type -20%.

A (Default)

B

C

D

E

	Effective Date	Standard Rate	Overtime Rate	Per Use Cost
	--	60.00 ر.س./h	50.00 ر.س./h	0.00 ر.س.
	Fri 4/8/22	80.00 ر.س./h	65.00 ر.س./h	0.00 ر.س.
	Sun 4/10/22	60.00 ر.س./h	50.00 ر.س./h	0.00 ر.س.

Cost accrual:

Help

Details...

OK


Cancel

At least two tasks have led or lag time

Led Time

26			1.3.4	Database Design	3 days	Mon 4/18/22	Wed 4/20/22	25
27			1.3.5	Software Programming and Implementation	25 days	Tue 4/19/22	Wed 5/25/22	26FS-2 days

Lag Time

39			1.5.2	Stakeholders Acceptance	13 days	Thu 6/16/22	Mon 7/4/22	38
40			1.5.3	Training and Maintenance	7 days	Tue 7/5/22	Wed 7/13/22	39
41			1.5.4	Project Delivery	1 day	Sun 7/17/22	Sun 7/17/22	39FS+2 days

The plan as a baseline

Financial Advisor
Tester
System Analyst
Data Analyst
Designer
Training
Maintenance
Computer
Java Language
SQL
Paper

Set Baseline

☒ Set baseline

Baseline (last saved on Fri 4/1/22)

☐ Set interim plan

Copy: Scheduled Start/Finish

Into: Start1/Finish1

For:

☒ Entire project
 ☐ Selected tasks

Roll up baselines:

☐ To all summary tasks
 ☐ From subtasks into selected summary task(s)

Help

OK

Cancel

Set as Default

References



Animal Adoption System : Software Engineering Project

<https://www.youtube.com/watch?v=C4E1AJStFvk>



Adoption Application Form

<https://www.animalhouseshelter.com/adopt/adoption-application/>



Pet Adoption App

<https://www.youtube.com/watch?v=KwXDmcMc7vk>



Case study: Designing a pet adoption app

<https://medium.muz.li/pawtner-pet-adoption-app-concept-4e84868645ff>



Thank You

Do you have any questions?

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