

Group Project - Fall 2022

## CPIS-334 Introduction to Software Project Management

Coordinator(s) Dr. Usman Khan

9974

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Section	A1A

Obtained Marks

out of

30

SO	Max	Obtained Marks
3	30	

# bakery online shop



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KING ABDUL AZIZ UNIVERSITY

COLLEGE OF COMPUTING AND INFORMATION

TECHNOLOGY

DEPARTMENT OF INFORMATION SYSTEM

## PROJECT MANAGEMENT CPIS-334 LAB Fall term 2022

### Project Worksheet

#### Detailed Project Schedule (MS

#### Project)

Course Instructor: فاطمة حبيب

Lab Instructor: وعد الشهري

Project Name

Online Bakery shop

Name	ID	Section
Anfal Sultan Alshehri(leader		A1A
Areej Abdullah Suleman		A1A
Mai Mohamad Khalil		A1A

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## 1. Purpose of the Project (Project Initiation)

The purpose of this project is to build online bakery shop website . That will receive order from customer , keep the customer on update about the state of order , prepare order ,and deliver order to the customer .

The shop will receive order from customer and notify the baker to make the order .After that the delivery man will pick up the order and deliver it to the customer .

The customer will make order and receive it after 24h of make order .

## 2. Goals and Objectives (Project Charter & Scope Statement)

### 2.1. Project goals :

- Allow customer to make and modify order in 24/7.
- Faculties the process(ordering , receive order , delivery order).
- produce user-friendly website to gain more clients and have strong reputation.
- Deliver order to the customer in the shortest duration of making bakery.

### 2.2. Project objectives:

- Design UI for (customer , manager ,deliver man).
- Store user information and save it from any threat .
- Provides maps to show the area covered by the shop.
- Provides multiplicity way for payment.
- Notify users (customer to the state of order , staff to the order to make ,deliver man to the orders must be delivered ).
- Produce healthy , tasty , and affordable bakery .

### 2.3. Project charter

Project title : Bakery online shop	
Project Start Date : 10/31/2022	Projected Finish Date:4/26/2023
Budget Information: The finder has allocate the budget 175,000\$. The main cost of this project will be on developing software.	
Project Mangers: Anfal Alshehri(966)566076745 , <a href="mailto:anfal@gmail.com">anfal@gmail.com</a> Mai Mhammed (966)570506403, <a href="mailto:Mai@gmail.com">Mai@gmail.com</a> Areej Abdullah (966), <a href="mailto:Areej@gmail.com">Areej@gmail.com</a>	
Project Objective : Produce user friendly interactive online bakery. That has many interfaces for each user (customer, baker ,delivery-man)that will deliver the users need(ordering , make order , deliver order ). With provided map for delivering the orders . The shop will store the users information in safe database. Moreover it will notify the users about any actions .	
Main Project Success Criteria : <ul style="list-style-type: none"><li>• Scope: Bakery store cover Jeddah city and all kind ice-cream Bakery.</li><li>• Quality: Finish project with high quality product software and Healthy, Tasty bakery.</li><li>• Cost: Finish project without break outrun budget 75,000\$.</li><li>• Time: Finish project with the project finished date.</li></ul>	
Approach: <ul style="list-style-type: none"><li>• Provide map to trace the delivery order .</li><li>• Build the database that contains all the customers' orders information.</li><li>• Design and develop flexible user-friendly interface for all users .</li><li>• Provide online payment methods.</li><li>• Notify users with the state of order .</li><li>• Test the performance of online shop to ensure that the software is errorless .</li></ul>	

Roles and Responsibilities			
Name	Role	Position	ContactInformation
Esraa	Sponsor	CEO	<a href="mailto:Yohan@mail.com">Yohan@mail.com</a>
Abdulrhman	Project manger	Management	<a href="mailto:Abdr@mail.com">Abdr@mail.com</a>
Areej	Project manger	Management	<a href="mailto:Areej@mail.com">Areej@mail.com</a>
Anfal	Project manger	Management	<a href="mailto:Anfal@mail.com">Anfal@mail.com</a>
Mai	Project manger	Management	<a href="mailto:Mai@mail.com">Mai@mail.com</a>
Abdullah	Risk Analyst	Management	<a href="mailto:Jotaro@mail.com">Jotaro@mail.com</a>
Dema	Software Engineer	Programmer	<a href="mailto:Dema@mail.com">Dema@mail.com</a>
Jana	Software Engineer	Programmer	<a href="mailto:Mai@mail.com">Mai@mail.com</a>
Dana	Software Engineer	Programmer	<a href="mailto:Dana@mail.com">Dana@mail.com</a>
Sultan	HR manger	Management	<a href="mailto:Sultan@mail.com">Sultan@mail.com</a>
Zienah	Finance manger	Management	<a href="mailto:Zienah@mail.com">Zienah@mail.com</a>
Dania	System designer	Designer	<a href="mailto:Dania@mail.com">Dania@mail.com</a>
Hton	Quality control manger	Management	<a href="mailto:Hton@mail.com">Hton@mail.com</a>

#### 2.4. Scope statement

The project will require to purchase web servers that will support networking , Web and mobile app ,and maps. Also purchase a encryption software to save user information .



### 3. Work Breakdown Structure (WBS)

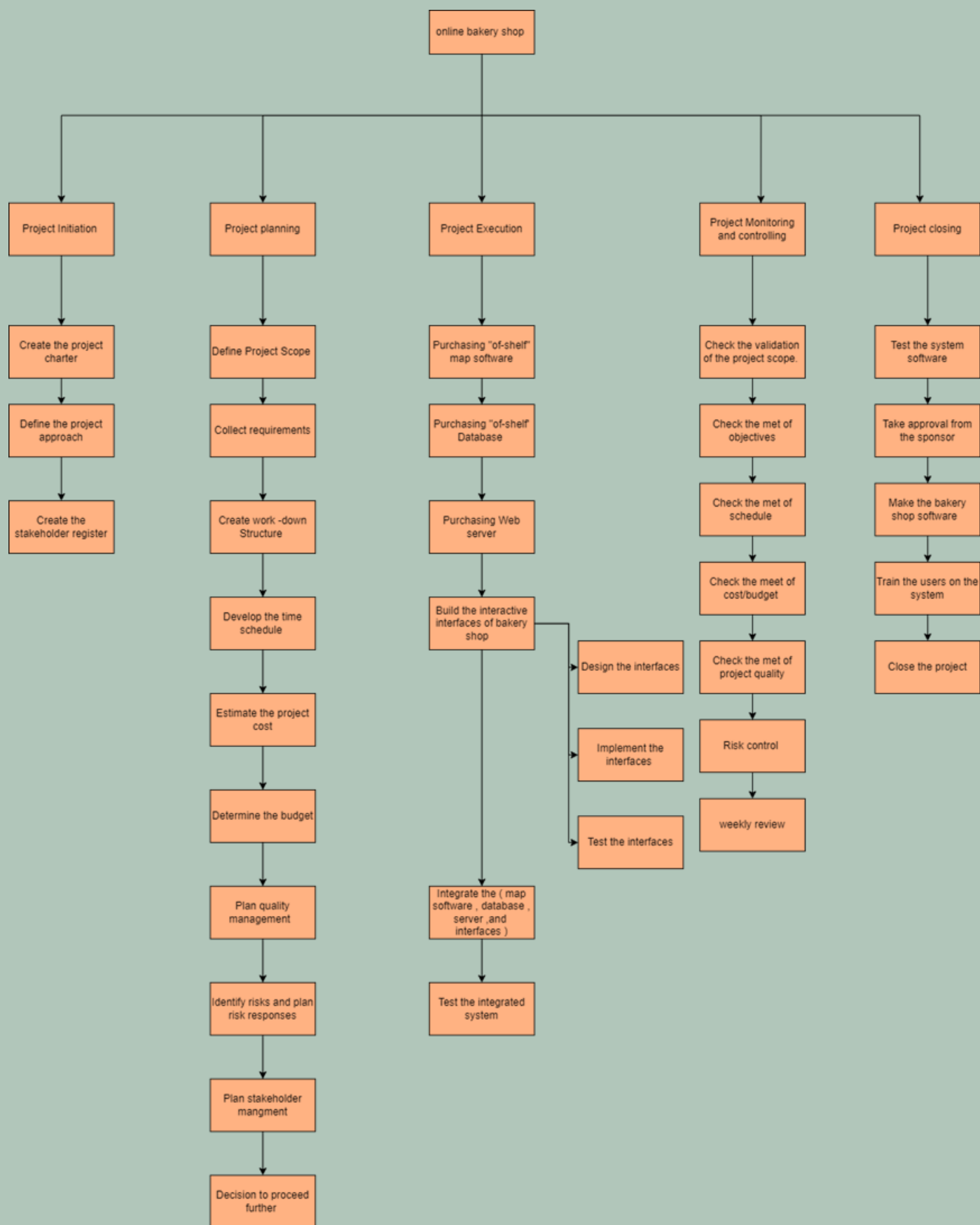
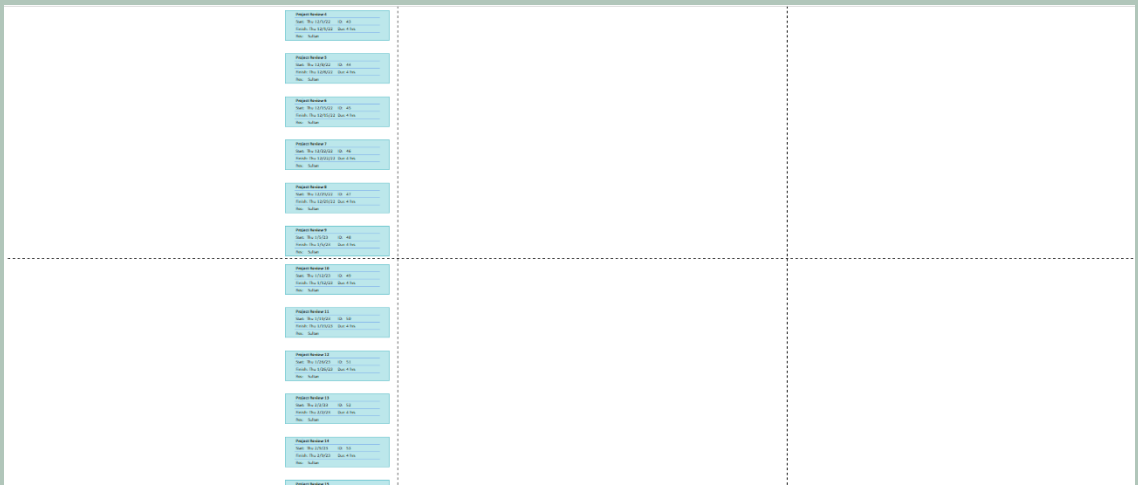
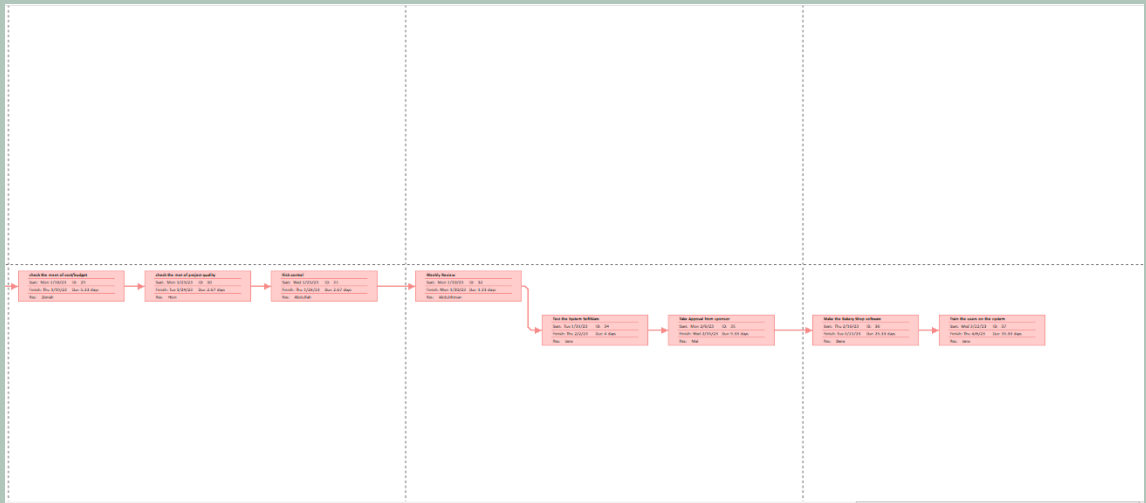
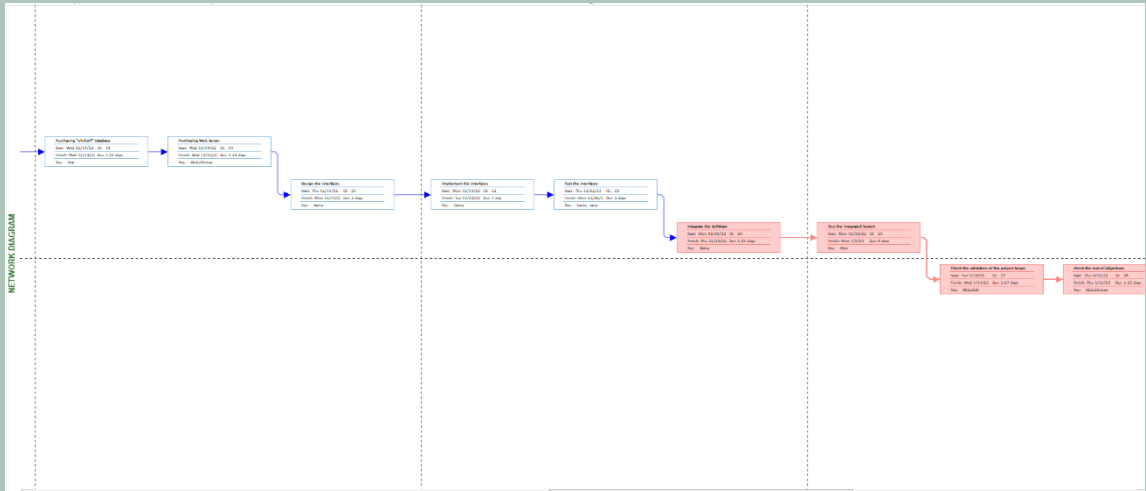


Figure 1:WBS

*Figure 2PMD*





## 5. Staffing Procedure and Plan (HR Management).

- Design advertisements that identify the job skills and experiences required in the project.
- Post the advertisements in social media and employment platforms like Linked In.
- Review applicants' CVs and nominate those who have the required skills and experience.
- Conducting an interview with the nominated applicants, evaluating and selecting them according to the appropriate employment criteria for the project.
- Signing a contract of employment with qualified personnel.
- Involve employees in a meeting with the stakeholders to understand the scope and all other aspects of the project.

6. Organizational chart and histogram (HR Management)

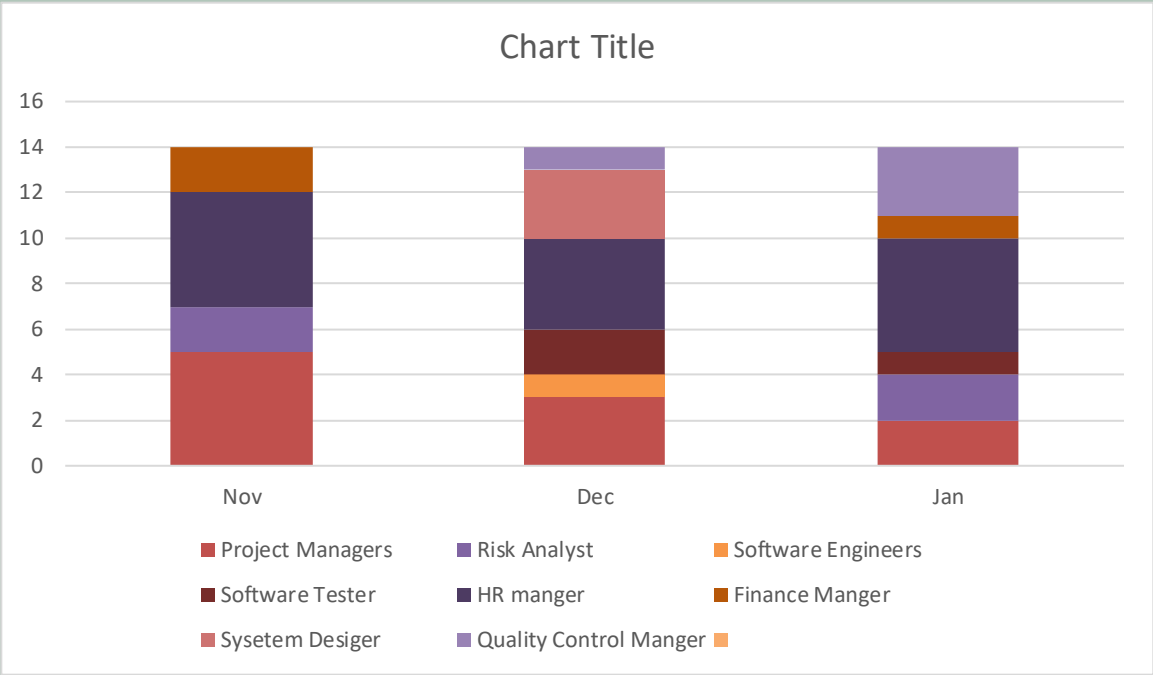


Figure 3 HR management Histogram

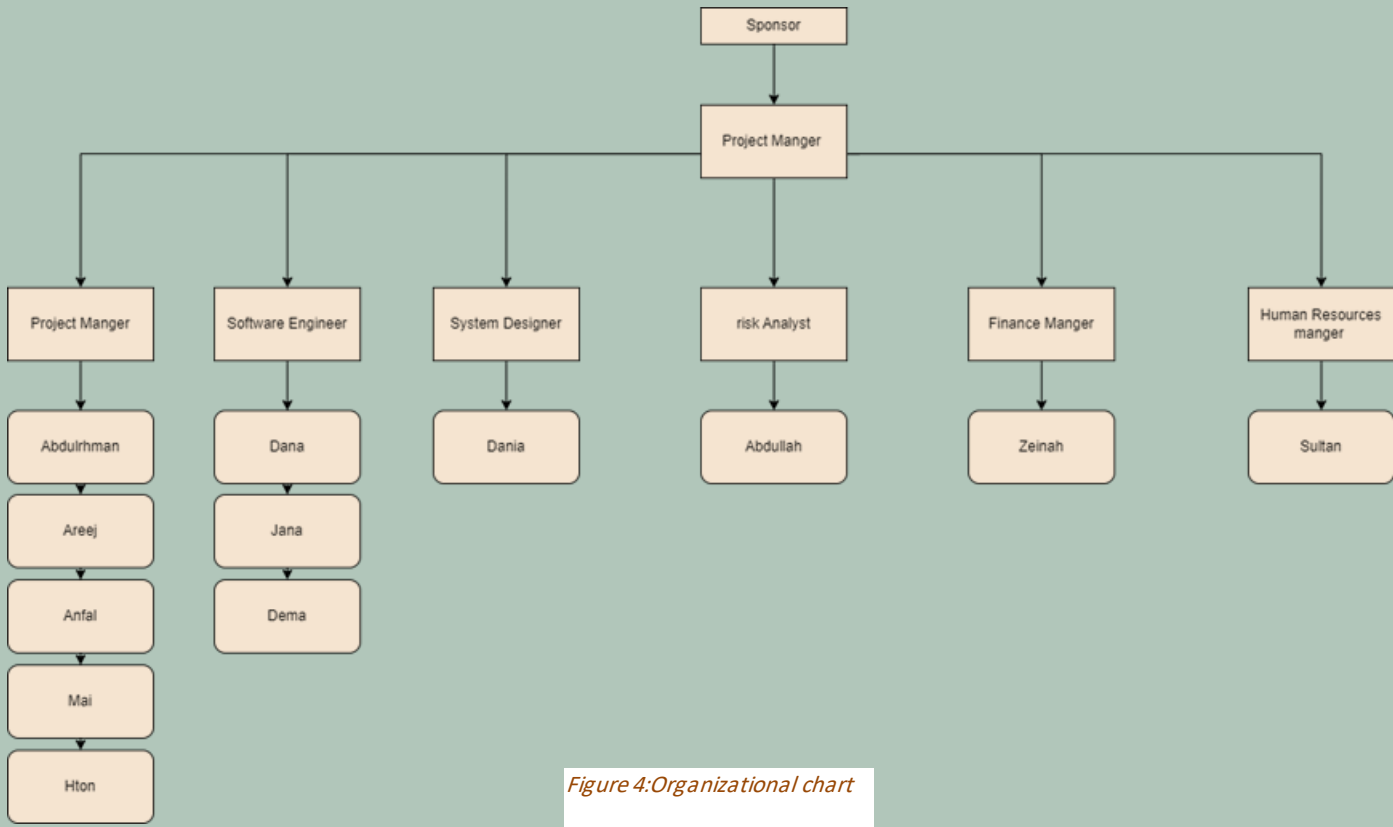


Figure 4:Organizational chart

## 7. Major Project Milestones (Demonstrate using MS Project)










		Task Name	Duration	Start	Finish	Predecessors	Resource Names
0		Online Bakery shopp	146.67 days	Mon 10/31/22	Thu 4/6/23		
1		Project Initiation	7.67 days	Mon 10/31/22	Mon 11/7/22		
5		Project Planning	31.67 days	Tue 11/8/22	Mon 12/12/22		
15		Project plan	0 days	Mon 10/31/22	Mon 10/31/22		
16		Project Execution	25.33 days	Tue 12/13/22	Mon 1/9/23		
26		Project Monitoring and Contrlling	19 days	Tue 1/10/23	Mon 1/30/23		
33		Project Closing	61 days	Tue 1/31/23	Thu 4/6/23		
38		Close Project	0 days	Thu 3/9/23	Thu 3/9/23		
39			108.67 days	Thu 11/10/22	Thu 3/9/23		

Figure 5:1Milestones










		Task Name	Duration	Start	Finish	Predecessors	Resource Names
0		Online Bakery shopp	146.67 days	Mon 10/31/22	Thu 4/6/23		
1		Project Initiation	7.67 days	Mon 10/31/22	Mon 11/7/22		
5		Project Planning	31.67 days	Tue 11/8/22	Mon 12/12/22		
15		Project plan	0 days	Mon 10/31/22	Mon 10/31/22		
16		Project Execution	25.33 days	Tue 12/13/22	Mon 1/9/23		
26		Project Monitoring and Contrlling	19 days	Tue 1/10/23	Mon 1/30/23		
33		Project Closing	61 days	Tue 1/31/23	Thu 4/6/23		
38		Close Project	0 days	Thu 3/9/23	Thu 3/9/23		
39			108.67 days	Thu 11/10/22	Thu 3/9/23		

Figure 6:2Milestones

8. Detailed Project Schedule (MS Project)

1. General project information

Simple project plan Properties ? X

General Summary Statistics Contents Custom

Title: Online bakery shop

Subject: CPIS334

Author: Anfal Sultan Alshehri

Manager: Areej Abdullah Suleman

Company: Mai Mohamad Khalil Company limited

Category:

Keywords:

Comments:

Hyperlink base:

Template: Simple project plan

☐ Save preview picture

OK Cancel

Figure 7:Project Information

## 2. Project calendar.

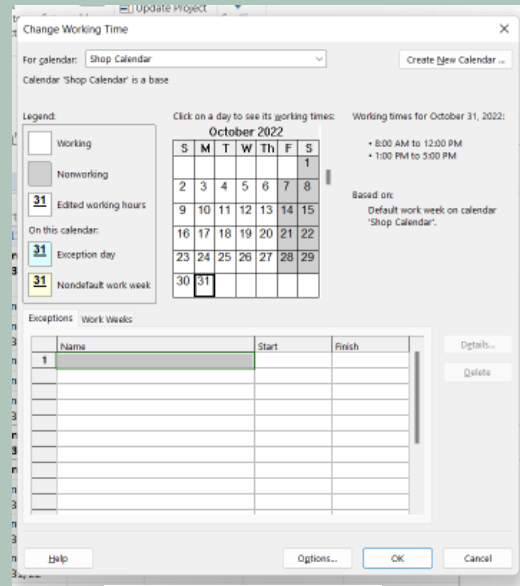


Figure 8:Project Calendar

## 3. Summary tasks (phase).

		Task Name	Duration	Start	Finish
0		Online Bakery shopp	146.67 days	Mon 10/31/22	Thu 4/6/23
1		Project Initiation	7.67 days	Mon 10/31/22	Mon 11/7/22
5		Project Planning	31.67 days	Tue 11/8/22	Mon 12/12/22
15		Project plan	0 days	Mon 10/31/22	Mon 10/31/22
16		Project Execution	25.33 days	Tue 12/13/22	Mon 1/9/23
26		Project Monitoring and Contrlling	19 days	Tue 1/10/23	Mon 1/30/23
33		Project Closing	61 days	Tue 1/31/23	Thu 4/6/23
38		Close Project	0 days	Thu 3/9/23	Thu 3/9/23
39			108.67 days	Thu 11/10/22	Thu 3/9/23

Figure 9:Summary Tasks Project

## 4. Subtasks and duration

		Task Name	Duration	Start	Finish
0		Online Bakery shopp	146.67 days	Mon 10/31/22	Thu 4/6/23
1		Project Initiation	7.67 days	Mon 10/31/22	Mon 11/7/22
2		Create the project Charter	2.67 days	Mon 10/31/22	Tue 11/1/22
3		Define the Project Approach	4 days	Wed 11/2/22	Mon 11/7/22
4		Create the Stakeholder Register	2 days	Thu 11/3/22	Mon 11/7/22
5		Project Planning	31.67 days	Tue 11/8/22	Mon 12/12/22
6		Define Project Scope	3 days	Tue 11/8/22	Thu 11/10/22
7		Collect Requirments	2 days	Thu 11/10/22	Mon 11/14/22
8		Create WBS	2.67 days	Mon 11/14/22	Wed 11/16/22
9		Devolp The time Schedule	1.33 days	Wed 11/16/22	Thu 11/17/22
10		Estimate the Project cost	4 days	Thu 11/17/22	Wed 11/23/22
11		Determine the Budget	1.33 days	Wed 11/23/22	Thu 11/24/22
12		Identify risks an plan risk resonses	4 days	Thu 11/24/22	Wed 11/30/22
13		Plan Stakeholder	3 days	Wed 11/30/22	Tue 12/6/22
14		Decision to proceed further	1.33 days	Mon 12/12/22	Mon 12/12/22
15		Project plan	0 days	Mon 10/31/22	Mon 10/31/22
16		Project Execution	25.33 days	Tue 12/13/22	Mon 1/9/23
17		Purchasing "of-shelf" map software	1.33 days	Tue 12/13/22	Tue 12/13/22
18		Purchasing "of-shelf" DataBase	1.33 days	Wed 12/14/22	Wed 12/14/22
19		Purchasing Web Serve	1.33 days	Wed 12/14/22	Wed 12/14/22
20		Build the interactive interfaces of bakery Shop	10 days	Thu 12/15/22	Mon 12/26/22
24		Integrate the SoftWar	5.33 days	Mon 12/26/22	Thu 12/29/22
25		Test the integrated System	8 days	Mon 12/26/22	Mon 1/9/23
26		Project Monitoring and Contrlling	19 days	Tue 1/10/23	Mon 1/30/23
27		Check the validation of the project Scope	2.67 days	Tue 1/10/23	Wed 1/11/23
28		check the met of objectives	1.33 days	Thu 1/12/23	Thu 1/12/23
29		check the meet of cost/budget	5.33 days	Mon 1/16/23	Thu 1/19/23
30		check the met of project quality	2.67 days	Mon 1/23/23	Tue 1/24/23
31		Risk control	2.67 days	Wed 1/25/23	Thu 1/26/23
32		Weekly Review	1.33 days	Mon 1/30/23	Mon 1/30/23
33		Project Closing	61 days	Tue 1/31/23	Thu 4/6/23
34		Test the System SoftWare	4 days	Tue 1/31/23	Thu 2/2/23
35		Take Apvoal from sponsor	9.33 days	Mon 2/6/23	Wed 2/15/23
36		Make the Bakery Shop software	25.33 days	Thu 2/16/23	Tue 3/21/23
37		Train the users on the system	15.33 days	Wed 3/22/23	Thu 4/6/23
38		Close Project	0 days	Thu 3/9/23	Thu 3/9/23
39			108.67 days	Thu 11/10/22	Thu 3/9/23

Figure 10:Subtask and Duration



## 5. Relationships between task

SS:

24		Integrate the SoftWare	5.33 days	Mon 12/26/22	Thu 12/29/22	23FS-2 days
25		Test the integrated System	8 days	Mon 12/26/22	Mon 1/9/23	24SS

Figure 11:SS Relation

FF:

3		Define the Project Approach	4 days	Wed 11/2/22	Fri 11/4/22	2
4		Create the Stakeholder Register	2.67 days	Thu 11/3/22	Fri 11/4/22	3FF

Figure 12: FF Relation

## 6. Project Recurring task

Recurring Task Information

Task Name: Project Weekly Review

Duration: 4h

Recurrence pattern

☐ Daily
 ☒ Weekly
 ☐ Monthly
 ☐ Yearly

Recur every 1 week(s) on:
 

☐ Sunday
 ☐ Monday
 ☐ Tuesday
 ☐ Wednesday
 ☒ Thursday
 ☐ Friday
 ☐ Saturday

Range of recurrence

Start: Sat 11/5/22
 ☐ End after: 18 occurrences
 ☒ End by: Thu 3/9/23

Calendar for scheduling this task

Calendar: None
 ☐ Scheduling ignores resource calendars

Help

OK

Cancel

Figure 13:Project Recurring Task

## 7. Project Recourses.

1	Resource Name	Type	Material	Initials	Group	Max	Std. Rate	Cost/Use	Accrue	Base
2	Electrical Contractor	Work		E		100%	\$65.00/hr	\$0.00/hr	\$35.00	Prorated
3	UI software	Cost		U						End
4	HardWare	Material		H			\$1,500.00		\$0.00	Prorated
5	Map of shelf	Work		M		100%	\$120.00/hr	\$0.00/hr	\$25.00	Prorated
6	Data Base	Work		D		100%	\$554.00/hr	\$0.00/hr	\$14.00	Prorated
7	Web server	Work		W		100%	\$78.00/hr	\$0.00/hr	\$100.00	Prorated
8	Esraa	Work		E	finder	100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated
9	Abdulrhman	Work		A	Mangment	100%	\$547.00/hr	\$0.00/hr	\$0.00	Prorated
10	Abdullah	Work		A	Mangment	100%	\$190.00/hr	\$0.00/hr	\$0.00	Prorated
11	Dema	Work		D	Programms	100%	\$100.00/hr	\$0.00/hr	\$0.00	Prorated
12	Sultan	Work		S	Mangment	100%	\$130.00/hr	\$0.00/hr	\$0.00	Prorated
13	Zienah	Work		Z	Mangment	100%	\$100.00/hr	\$0.00/hr	\$0.00	Prorated
14	Dania	Work		D	Designer	100%	\$50.00/hr	\$0.00/hr	\$0.00	Prorated
15	Hron	Work		H	Mangment	100%	\$30.00/hr	\$0.00/hr	\$0.00	Prorated
16	Anfal	Work		A	Mangment	100%	\$800.00/hr	\$1,000.00/hr	\$0.00	Prorated
17	Areej	Work		A	mangment	100%	\$687.00/hr	\$700.00/hr	\$0.00	Prorated
18	Mai	Work		M	mangment	100%	\$89.00/hr	\$657.00/hr	\$0.00	Prorated
19	Printer	Material		P			\$34.00		\$0.00	Start
20	RentOffice	Material		R			\$54.00		\$0.00	End
21	Ink printer	Material		I			\$56.00		\$0.00	Prorated
22	Mroining Coffe	Cost		M					\$0.00	Start
23	Jana	Work		J	Programms	100%	\$53.00/hr	\$0.00/hr	\$0.00	Prorated
24	Dana	Work		D	Programms	100%	\$34.00/hr	\$0.00/hr	\$0.00	Prorated

Figure 14:Recourses

## 8. Tasks Constraints.

Task Information dialog box for 'Integrate the Software' task. The 'General' tab is active. The 'Name' field contains 'Integrate the Software'. The 'Duration' is 5.33 days. The 'Constrain task' dropdown is set to 'NA'. The 'Deadline' is 'NA'. The 'Constraint type' is 'Finish No Later Than' and the 'Constraint date' is 'Thu 12/22/02'. The 'Task type' is 'Fixed Units'. The 'Calendar' is 'Shop Calendar'. The 'WBS code' is '4.5'. The 'Earned value method' is '% Complete'. The 'Mark task as milestone' checkbox is unchecked.

Task Information dialog box for 'Create WBS' task. The 'General' tab is active. The 'Name' field contains 'Create WBS'. The 'Duration' is 2.67 days. The 'Constrain task' dropdown is set to 'NA'. The 'Deadline' is 'NA'. The 'Constraint type' is 'Must Start On' and the 'Constraint date' is 'Mon 11/14/02'. The 'Task type' is 'Fixed Work'. The 'Calendar' is 'Shop Calendar'. The 'WBS code' is '2.3'. The 'Earned value method' is '% Complete'. The 'Mark task as milestone' checkbox is unchecked.

Figure 15: Task Constraints

## 9. Task type.

Task Information dialog box for 'Train the users on the system' task. The 'General' tab is active. The 'Name' field contains 'Train the users on the system'. The 'Duration' is 13.33 days. The 'Constrain task' dropdown is set to 'NA'. The 'Deadline' is 'NA'. The 'Constraint type' is 'As Soon As Possible' and the 'Constraint date' is 'NA'. The 'Task type' is 'Fixed Duration'. The 'Calendar' is 'None'. The 'WBS code' is '6.4'. The 'Earned value method' is '% Complete'. The 'Mark task as milestone' checkbox is unchecked.

Task Information dialog box for 'Create WBS' task. The 'General' tab is active. The 'Name' field contains 'Create WBS'. The 'Duration' is 2.67 days. The 'Constrain task' dropdown is set to 'NA'. The 'Deadline' is 'NA'. The 'Constraint type' is 'As Soon As Possible' and the 'Constraint date' is 'NA'. The 'Task type' is 'Fixed Work'. The 'Calendar' is 'None'. The 'WBS code' is '2.3'. The 'Earned value method' is '% Complete'. The 'Mark task as milestone' checkbox is unchecked.

Figure 16: Tasks Types

## 10. Rescores with multiple rate pay depended on takes.

Resource Information dialog box for 'Mal' resource. The 'General' tab is active. The 'Resource name' is 'Mal'. The 'Cost rate table' is shown with the following data:

Effective Date	Standard Rate	Overtime Rate	Per Use Cost
--	\$54.00/h	\$54.00/h	\$0.00

The 'Cost accrual' is set to 'Prorated'.

Assignment Information dialog box for 'Purchasing "of-shelf" map software' task. The 'General' tab is active. The 'Task' is 'Purchasing "of-shelf" map software'. The 'Resource' is 'Mal'. The 'Work' is '8h'. The 'Units' is '100%'. The 'Work contour' is 'Flat'. The 'Start' is 'Thu 11/10/02' and the 'Finish' is 'Thu 11/10/02'. The 'Booking type' is 'Committed'. The 'Cost' is '\$712.00'. The 'Cost rate table' is 'A'. The 'Assignment Owner' is 'Mal'.

Resource Information dialog box for 'Mal' resource. The 'General' tab is active. The 'Resource name' is 'Mal'. The 'Cost rate table' is shown with the following data:

Effective Date	Standard Rate	Overtime Rate	Per Use Cost
--	\$89.00/h	\$89.00/h	\$0.00

The 'Cost accrual' is set to 'Prorated'.

Assignment Information dialog box for 'Purchasing "of-shelf" Database' task. The 'General' tab is active. The 'Task' is 'Purchasing "of-shelf" Database'. The 'Resource' is 'Mal'. The 'Work' is '8h'. The 'Units' is '100%'. The 'Work contour' is 'Flat'. The 'Start' is 'Fri 11/11/02' and the 'Finish' is 'Fri 11/11/02'. The 'Booking type' is 'Committed'. The 'Cost' is '\$712.00'. The 'Cost rate table' is 'A'. The 'Assignment Owner' is 'Mal'.

Figure 17: Rescores With Multiple Rate Pay depended on takes

## 11. Rescores with multiple rate pay depended on Times.

Resource Information

General Costs Notes Custom Fields

Resource Name: Anfal

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%.

Effective Date	Standard Rate	Overtime Rate	Per Use Cost
--	\$800.00/h	\$1,000.00/h	\$0.00
Tue 11/1/22	\$800.00/h	\$1,000.00/h	\$0.00
Sat 11/12/22	\$800.00/h	\$1,000.00/h	\$0.00

Cost accrual: Prorated

Help Details... OK Cancel

Figure 18 Rescores with multiple rate pay depended on Times.

## 12. Task had lead or lag Time

Task Information

General Predecessors Resources Advanced Notes Custom Fields

Name: Collect Requirements Duration: 5.33 days Estimated

Predecessors:

ID	Task Name	Type	Lag
6	Define Project Scope	Start-to-Finish (SF)	2d

Help OK Cancel

Task Information

General Predecessors Resources Advanced Notes Custom Fields

Name: Integrate the Software Duration: 5.33 days Estimated

Predecessors:

ID	Task Name	Type	Lag
23	Test the interfaces	Finish-to-Start (FS)	-2d

Help OK Cancel

Figure 19: Task had Lead or Lag Time

## 8. Reference

Schwalbe, K. (2015). *Information technology project management*. Cengage Learning.