King Saud University

College of Computer and Information Sciences

Department of Information Systems

IS 351 Project Management

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O-go application

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Introduction

The evolution of technology will play an important role in the 2030 vision of Saudi Arabia, In the interim, there are various delivery applications, but our major goal in this project is to create an application that will allow customers to order from numerous restaurants from anywhere and then drive to them to pick up their meal without the need for a delivery guy.

Objectives

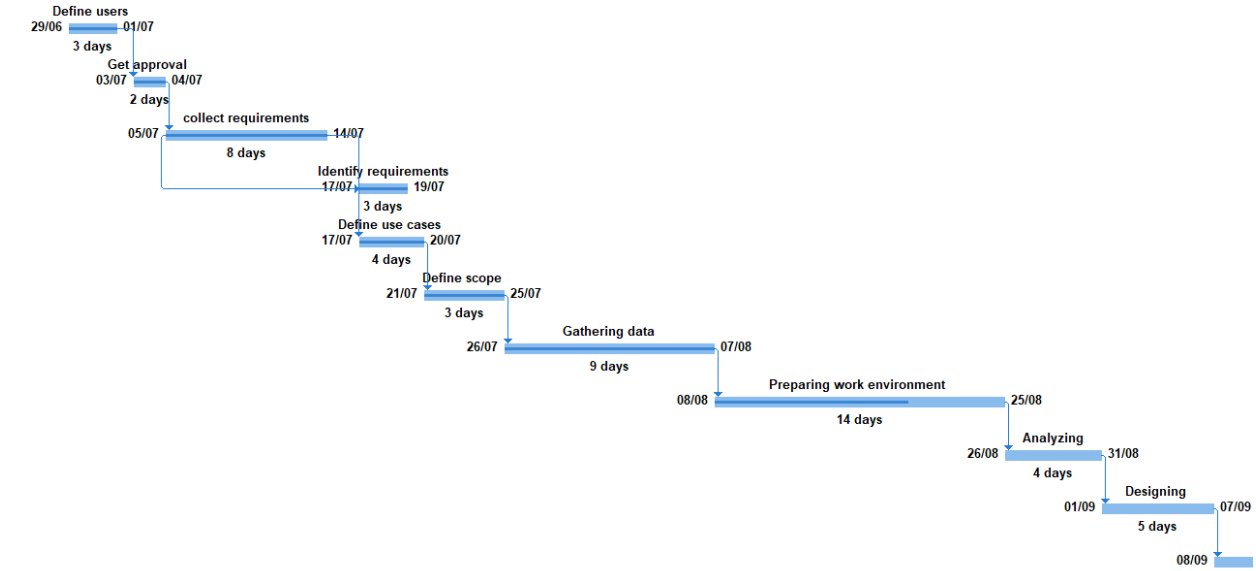
- Avoid eating at crowded restaurants
- Keep up with 2030 vision
- Less waiting in restaurants

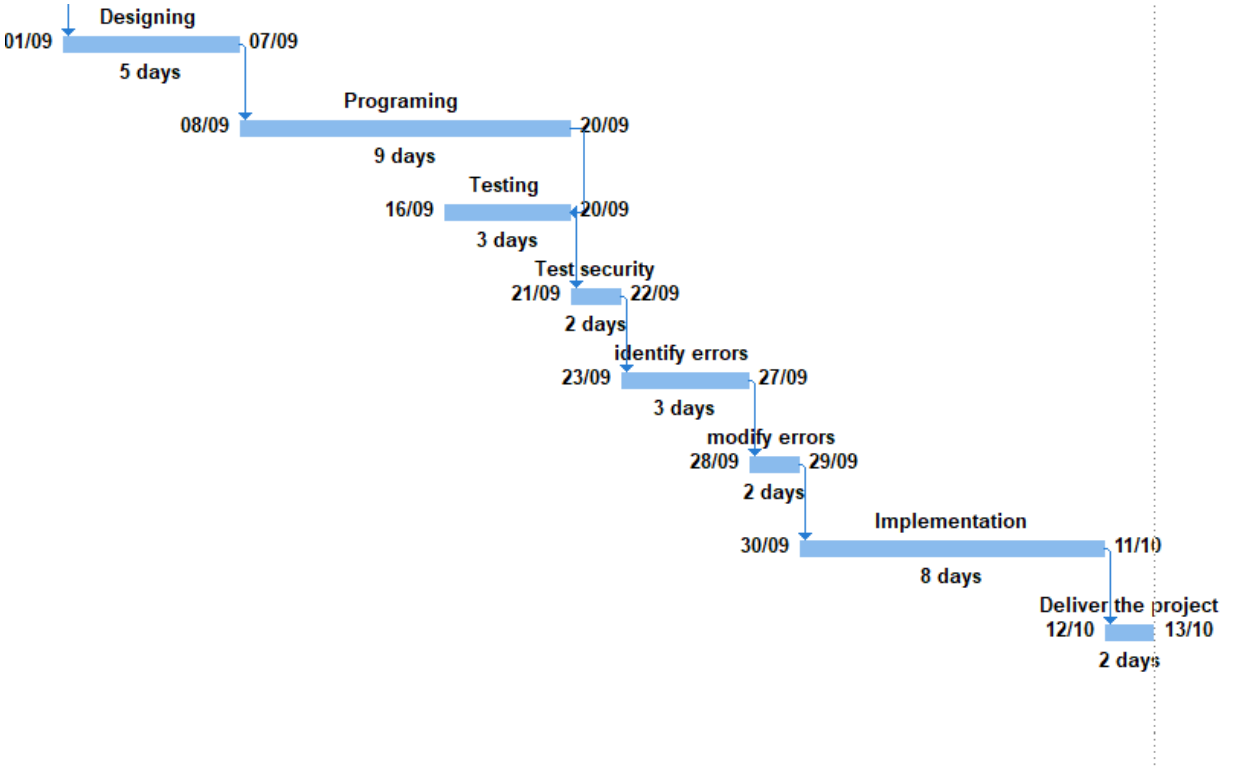
Description

To organize our project, build our Gantt Chart, and assign our resources to the tasks, we used Microsoft Project. Our project is divided into six phases, which are as follows:

- Initiation phase
  It is the stage that will initiate our project and identify the users for the application then get approval.
- Planning and analysis phase
  This stage includes collecting requirements, characterize use cases, and define functional requirements.
- Designing phase
  In this stage we will design the transaction history, balance status and digital receipts.
- Development phase
  In this stage we will obtain our staff and appoint them to their tasks which are application security and funds transfer development.
- Testing phase
  In this stage we will begin testing our program by using user experience test and we will do a security test, then we will identify the errors and fix the app.
- Closing phase
  In this stage our project will be completed and ready to launch.

Gantt Chart


Define users
29/06
01/07
3 days
Get approval
03/07
04/07
2 days
collect requirements
05/07
14/07
8 days
Identify requirements
17/07
19/07
3 days
Define use cases
17/07
20/07
4 days
Define scope
21/07
25/07
3 days
Gathering data
26/07
07/08
9 days
Preparing work environment
08/08
25/08
14 days
Analyzing
26/08
31/08
4 days
Designing
01/09
07/09
5 days
08/09

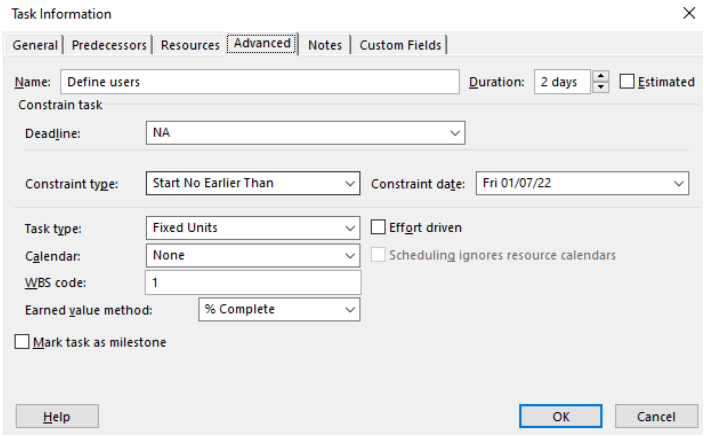

Designing
01/09
07/09
5 days
Programing
08/09
20/09
9 days
Testing
16/09
20/09
3 days
Test security
21/09
22/09
2 days
identify errors
23/09
27/09
3 days
modify errors
28/09
29/09
2 days
Implementation
30/09
11/10
8 days
Deliver the project
12/10
13/10
2 days

Task links

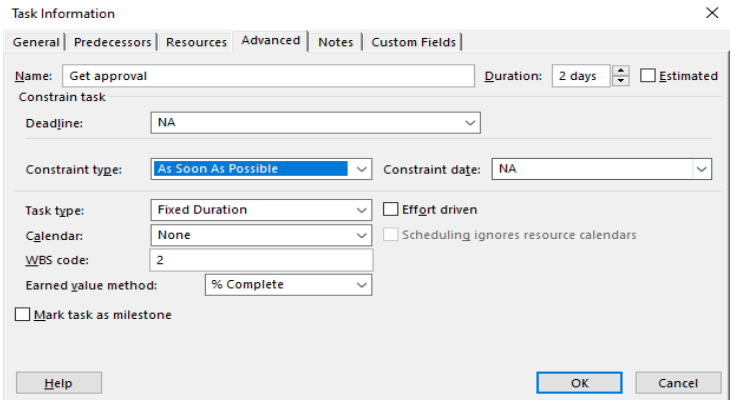
- From collect requirements to identify requirements is (SS)
- From programing to testing is (FF)
- From identify errors to modify errors is (FS)

Constrains

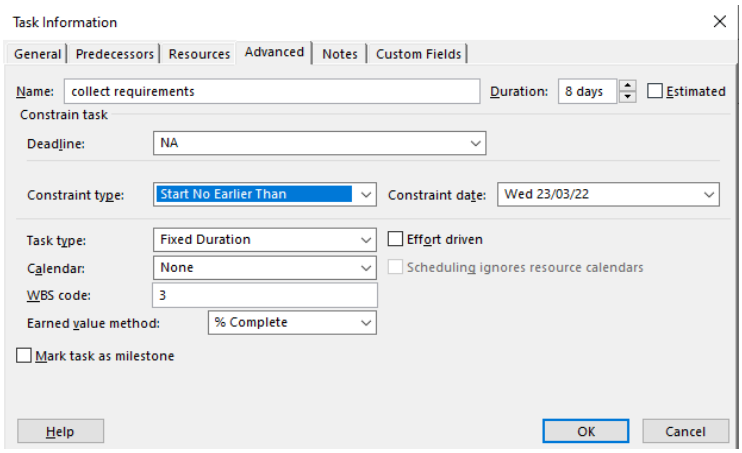
Finish No Earlier Than



As soon as possible:



Start no earlier than:



Resource sheet

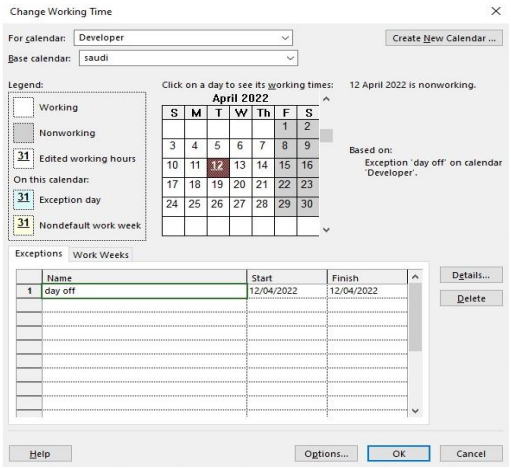
As shown, we used two types of resources, Work & Material.

Resource Name	Type	Material	Initials	Group	Max.	Std. Rate	Ovt. Rate	Cost/Use	Accrue At	Base
Project manager	Work		P		150%	$75.00/hr	$85.00/hr	$0.00	Prorated	saudi
Mangment	Work		M		100%	$200.00/hr	$210.00/hr	$0.00	Prorated	saudi
Computer	Material		C			$0.00		$1,200.00	Prorated	
UML tool	Material		U			$0.00		$245.00	Prorated	
Analyst	Work		A		150%	$65.00/hr	$75.00/hr	$0.00	Prorated	saudi
App designer	Work		A		120%	$60.00/hr	$70.00/hr	$0.00	Prorated	saudi
Developer	Work		D		200%	$70.00/hr	$75.00/hr	$0.00	Prorated	saudi
App bulider	Material		A			$0.00		$59.99	Prorated	
Tester	Work		T		200%	$55.00/hr	$65.00/hr	$0.00	Prorated	saudi

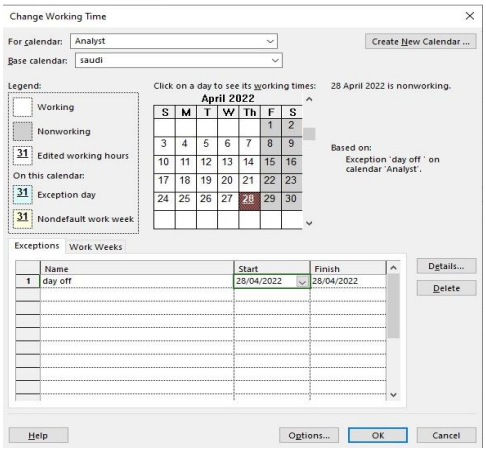
Calendars

We created two calendars for two of our resources:

Developer 's calendar



Analyst 's calendar



Resource task assignment

GANTT CHART

	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Constraint Type
0		**Project O-go**	**77 days**	**Wed 29/06/22**	**Thu 13/10/22**			**As Soon As Possible**
1		Define users	3 days	Wed 29/06/22	Fri 01/07/22		Mangment	Finish No Earlier Than
2		Get approval	2 days	Sun 03/07/22	Mon 04/07/22	١	Project manager	As Soon As Possible
3		collect requirements	8 days	Tue 05/07/22	Thu 14/07/22	٢	Computer[1]; Mangment	Start No Earlier Than
4		Identify requirements	3 days	Sun 17/07/22	Tue 19/07/22	٢SS	Computer[1]; Mangment	Start No Earlier Than
5		Define use cases	4 days	Sun 17/07/22	Wed 20/07/22	٣	Analyst; UML tool[1]	As Soon As Possible
6		Define scope	3 days	Thu 21/07/22	Mon 25/07/22	٥	Mangment	As Soon As Possible
7		Gathering data	9 days	Tue 26/07/22	Sun 07/08/22	٦	Analyst	As Soon As Possible
8		Preparing work environment	14 days	Mon 08/08/22	Thu 25/08/22	٧	Mangment	As Soon As Possible
9		Analyzing	4 days	Fri 26/08/22	Wed 31/08/22	٨	Analyst	As Soon As Possible
10		Designing	5 days	Thu 01/09/22	Wed 07/09/22	٩	App designer	As Soon As Possible
11		Programing	9 days	Thu 08/09/22	Tue 20/09/22	١٠	App bulider[1]; Developer	As Soon As Possible
12		Testing	3 days	Fri 16/09/22	Tue 20/09/22	١١FF	App bulider[1]; Tester	As Soon As Possible
13		Test security	2 days	Wed 21/09/22	Thu 22/09/22	١٢	App bulider[1]; Tester	As Soon As Possible
14		identify errors	3 days	Fri 23/09/22	Tue 27/09/22	١٣	Tester	As Soon As Possible
15		modify errors	2 days	Wed 28/09/22	Thu 29/09/22	١٤	App bulider[1]; Developer	As Soon As Possible
16		Implementation	8 days	Fri 30/09/22	Tue 11/10/22	١٥	Developer	As Soon As Possible
17		Deliver the project	2 days	Wed 12/10/22	Thu 13/10/22	١٦	Project manager	As Soon As Possible

Statistics

PROJECT OVERVIEW

WED 29/06/22 - THU 13/10/22

% COMPLETE

50%

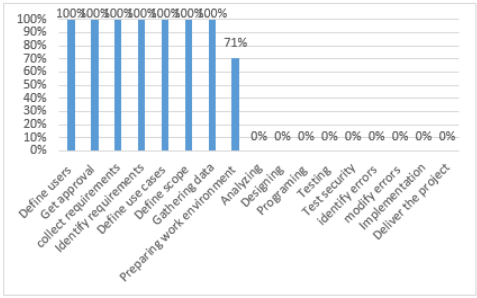
MILESTONES DUE

Milestones that are coming soon.

Name	Finish

% COMPLETE

Status for all top-level tasks. To see the status for subtasks, click on the chart and update the outline level in the Field List.



LATE TASKS

Tasks that are past due.

Name	Start	Finish	Duration	% Complete	Resource Names

0-go

COST OVERVIEW

WED 29/06/22 - THU 13/10/22

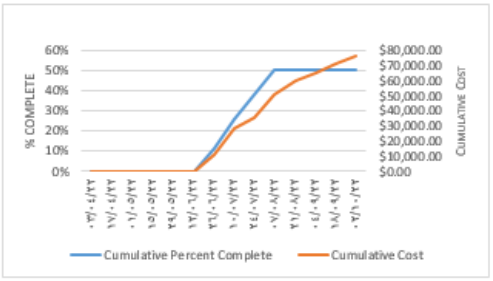
COST
$75,924.96

REMAINING COST
$24,519.96

% COMPLETE
50%

PROGRESS VERSUS COST

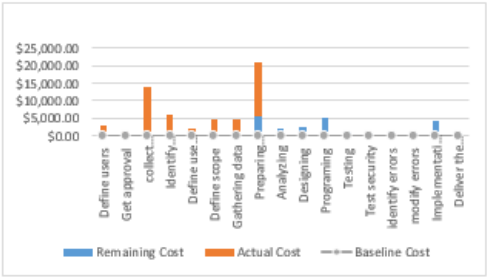
Progress made versus the cost spent over time. If % Complete line below the cumulative cost line,your project may be over budget.



COST STATUS

Cost status for all top-level tasks. Is your baseline zero?

Try setting as baseline



COST STATUS

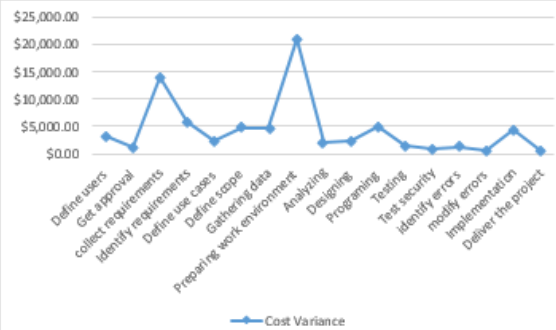
Cost status for top level tasks.

Name	Actual Cost	Remaining Cost	Baseline Cost	Cost	Cost Variance
Define users	$3,200.00	$0.00	$0.00	$3,200.00	$3,200.00
Get approval	$1,200.00	$0.00	$0.00	$1,200.00	$1,200.00
collect requirements	$14,000.00	$0.00	$0.00	$14,000.00	$14,000.00
Identify requirements	$6,000.00	$0.00	$0.00	$6,000.00	$6,000.00
Define use cases	$2,325.00	$0.00	$0.00	$2,325.00	$2,325.00
Define scope	$4,800.00	$0.00	$0.00	$4,800.00	$4,800.00
Gathering data	$4,680.00	$0.00	$0.00	$4,680.00	$4,680.00
Preparing work environment	$15,200.00	$5,600.00	$0.00	$20,800.00	$20,800.00
Analyzing	$0.00	$2,080.00	$0.00	$2,080.00	$2,080.00
Designing	$0.00	$2,400.00	$0.00	$2,400.00	$2,400.00
Programing	$0.00	$5,099.99	$0.00	$5,099.99	$5,099.99
Testing	$0.00	$1,379.99	$0.00	$1,379.99	$1,379.99
Test security	$0.00	$939.99	$0.00	$939.99	$939.99
identify errors	$0.00	$1,320.00	$0.00	$1,320.00	$1,320.00
modify errors	$0.00	$619.99	$0.00	$619.99	$619.99
Implementation	$0.00	$4,480.00	$0.00	$4,480.00	$4,480.00
Deliver the project	$0.00	$600.00	$0.00	$600.00	$600.00

COST OVERRUNS

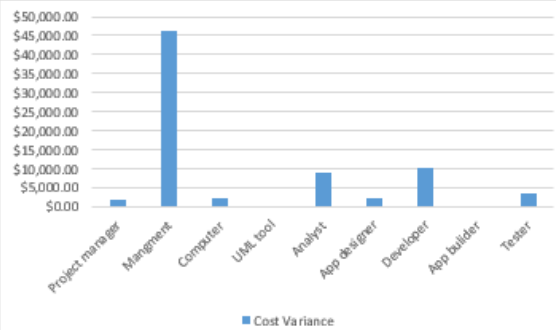
TASK COST VARIANCE

Cost variance for all top-level tasks in the project.



RESOURCE COST VARIANCE

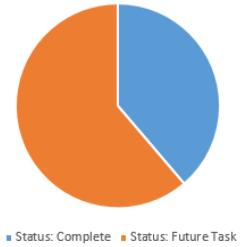
Cost variance for all the work resources.



Name	% Complete	Cost	Baseline Cost	Cost Variance
Define users	100%	$3,200.00	$0.00	$3,200.00
Get approval	100%	$1,200.00	$0.00	$1,200.00
collect requirements	100%	$14,000.00	$0.00	$14,000.00
Identify requirements	100%	$6,000.00	$0.00	$6,000.00
Define use cases	100%	$2,325.00	$0.00	$2,325.00
Define scope	100%	$4,800.00	$0.00	$4,800.00
Gathering data	100%	$4,680.00	$0.00	$4,680.00
Preparing work environment	71%	$20,800.00	$0.00	$20,800.00
Analyzing	0%	$2,080.00	$0.00	$2,080.00
Designing	0%	$2,400.00	$0.00	$2,400.00
Programing	0%	$5,099.99	$0.00	$5,099.99
Testing	0%	$1,379.99	$0.00	$1,379.99
Test security	0%	$939.99	$0.00	$939.99
identify errors	0%	$1,320.00	$0.00	$1,320.00
modify errors	0%	$619.99	$0.00	$619.99
Implementation	0%	$4,480.00	$0.00	$4,480.00
Deliver the project	0%	$600.00	$0.00	$600.00

Name	Cost	Baseline Cost	Cost Variance
Project manager	$1,800.00	$0.00	$1,800.00
Mangment	$46,400.00	$0.00	$46,400.00
Analyst	$8,840.00	$0.00	$8,840.00
App designer	$2,400.00	$0.00	$2,400.00
Developer	$10,080.00	$0.00	$10,080.00
Tester	$3,520.00	$0.00	$3,520.00

CRITICAL TASKS



A task is critical if there is no room in the schedule for it to slip.
Learn more about managing your project's critical path.

Name	Start	Finish	% Complete	Remaining Work	Resource Names
Preparing work environment	Mon 08/08/22	Thu 25/08/22	71%	28 hrs	Mangment
Analyzing	Fri 26/08/22	Wed 31/08/22	0%	32 hrs	Analyst
Designing	Thu 01/09/22	Wed 07/09/22	0%	40 hrs	App designer
Programing	Thu 08/09/22	Tue 20/09/22	0%	72 hrs	App bulider[1];Developer
Testing	Fri 16/09/22	Tue 20/09/22	0%	24 hrs	App bulider[1];Tester
Test security	Wed 21/09/22	Thu 22/09/22	0%	16 hrs	App bulider[1];Tester
identify errors	Fri 23/09/22	Tue 27/09/22	0%	24 hrs	Tester
modify errors	Wed 28/09/22	Thu 29/09/22	0%	8 hrs	App bulider[1];Developer
Implementation	Fri 30/09/22	Tue 11/10/22	0%	64 hrs	Developer
Deliver the project	Wed 12/10/22	Thu 13/10/22	0%	8 hrs	Project manager

Conclusion

In the end of our project, we learnt how hugely important it is to plan and manage your project before you begin it, and we were introduced to Microsoft Project, a powerful tool for doing so. This application made it much easier to organize our project because it generates an automatically calculated schedule and reports, as well as allowing you to assign resources to their tasks and build customized calendars for them. Finally, we can state that we are familiar with all of Microsoft Project's main features.