1- Ramez Nasser Fayez Bakheet (Section 5) .

2-Hossam Gergis Mahrous Titus (Section 5) .

3-Diab Saody Diab Mansour (Section 5) .

4-Tadres Raouf Gameil Tadres (Section 4) .

5-John Hany Kamal Wahba (Section 4) .

6- Hanna Gergis Shehata (Section 5) .

Project charter

- **Project sponer:** ministry of communication and information technology.

- **Project manager:** Eng /mohmed salah.

- **Purpose of the project:** helping new programmers to get a good education in programming.

- **Business case:**

-The world of programming is a very deep world and full of difficulties, as it needs to Memorize many codes through which you can execute the commands you need, and some Try to talk about the world of programming, it only requires memorizing the codes, and Calling them when needed, but the matter is much more than that. Where it takes a lot of Thinking in order to program a website or application from start to finish.

-One of the most important problems faced by many programmers is also errors while Writing codes, as many programmers face this problem, which is the emergence of several Errors in the codes they write, a problem faced by many programmers, even professional Ones.

-In the previous point, we talked about how difficult it is to program an entire website or Application from start to finish, and indeed it is difficult, but what is

more difficult than Modifying or repairing a program or application for someone else, as you will inevitably Encounter incomprehensible codes, and you will have to try Code several times to get to Writing the code correctly, in order to do the right thing.

-Another problem faced by everyone working in this field, whether a beginner or a Professional, is the semicolon, which is the sign through which you close the code, and it is Used in the vast majority of codes. This code calls all programmers the nightmare, it is a real Disaster if you forget to write it, Or a major disaster may occur if this button fails on your Keyboard, and here your work in programming will end completely without that semicolon .

Project Scope

1-Project scope discribtion:

-It is an application that helps new programmers in the field of programming.

- New programmers can communicate with programming experts on this application to help them learn.

- This application works to identify errors in any code that the programmer writes and helps to correct it.

2- Project acceptance criteries:

- criteria The accuracy of the program in detecting errors and proposing solutions to these errors.

- Easy communication between new programmers and highly experienced programmers through the program and suggesting expert programmers to new programmers to help them solve the problems they face.

- Low cost of the project, as the cost will be low for the financier of the project, but the expected financial return for the project is large.

3- project deliverables:

-It creates a programme targeting junior programmers to facilitate work on programming

-The program allows junior programmers to connect with old programmers to solve their problems in a quick way

-The program is intended to save time and effort on the part of new programmers to give them more time to think and do their work

4- Project excution:

- One of the customers requirements is that the application is available for free, but the manager and sponsors have increased that, that the advanced levels be available for a nominal fee.

5- Project constraints:

-Privacy Policy and Community Standards.

--Rules of company and policies.

-Time of submit.

-Budget.

6- Project assumptions:

-This application canrun only on The IOS and Android operating system.

- **Key deliverables of the project**:

   -Help programmers communicate with each other, Where the programmer can display

   the problem he is facing to find a solution to it.

- **Project milestons (Time line of project) :**

   -in the first month the programmers will design the application.

   -for one week , we will test the application.

   -for one week , publish the application on the application store.

   -for two weeks , promote the application , invite users to download it on their

   phones through social media.

- **Project resources:**

   -a team of designers.

   -a team of programmers.

   -marketing companies to promote our application in social media and other sites.

- **Budget:**

   -30,000 $ (includes servers, project licenses, developers, Designers, training).

- **Constraints**:

   1-The project must take time less than 3 months.

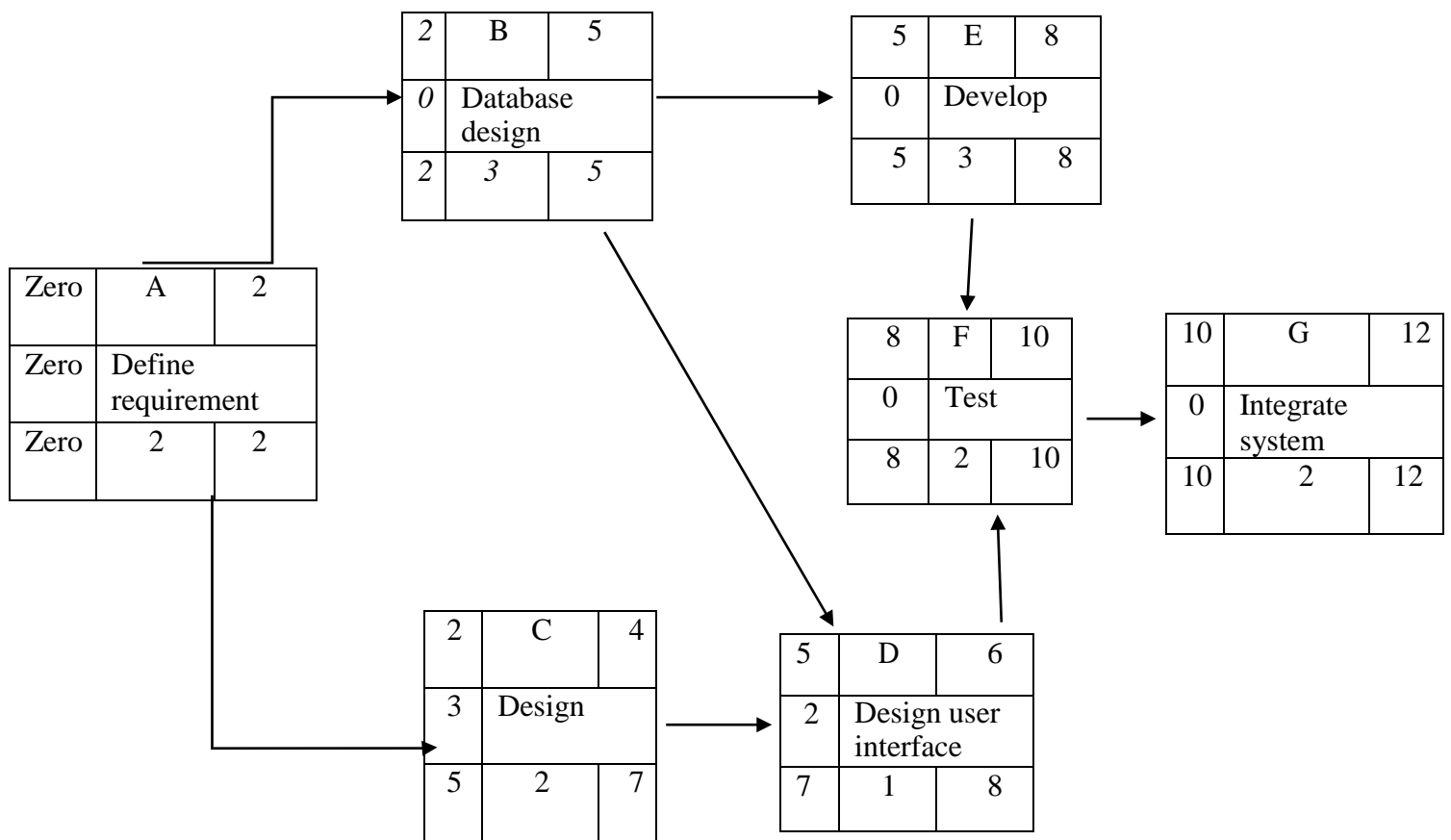   2-The project must not exceed 30,000 $.

- **Assumptions:**

   1-The project does not take more than 3 months.

   2- The cost no more 30,000$.

- **High level risks:**

   1-Increase in the cost.

Activity	Pescription	Preceding Activity	Time
A	Design requirement	None	2
B	Database design	A	3
C	Design	A	2
D	Design user interface	B&C	1
E	Develop	B	3
F	Test	E&D	2
G	**Integrate system**	**F**	**2**

	B	5
2		
0	Database design	
2	*3*	*5*

	E	8
5		
0	Develop	
5	3	8

	A	2
Zero		
Zero	Define requirement	
Zero	2	2

8	F	10
0	Test	
8	2	10

10	G	12
0	Integrate system	
10	2	12

2	C	4
3	Design	
5	2	7

5	D	6
2	Design user interface	
7	1	8

A=Approves
R=Reviews
P=participant
C=Creator

	Manager	Programmer	Tester	Designer	Developer
Database design	A+R	C	R		R
Test	A+R	P	C		
Design	A+R			C	
Develop	A+R	P			C
Design user interface	A+R			C	

WBS

world of programming

1.1

starting

1.2

software

1.3

Coding

1.4

Finishing

1.1.1
Dividing Tasks

1.1.2

coding the function

1.1.3

Interface the

Application

1.2.1

Operating system

1.2.2
Testing Devices

1.3.1
Requirments

1.3.2
Doing study
about
the project

1.3.3

plan the project

1.4.1
Test
Function

1.4.2
Explan and Fixed
Errors

1.4.3
Finish the
Application

1.4.4
Install the
Application
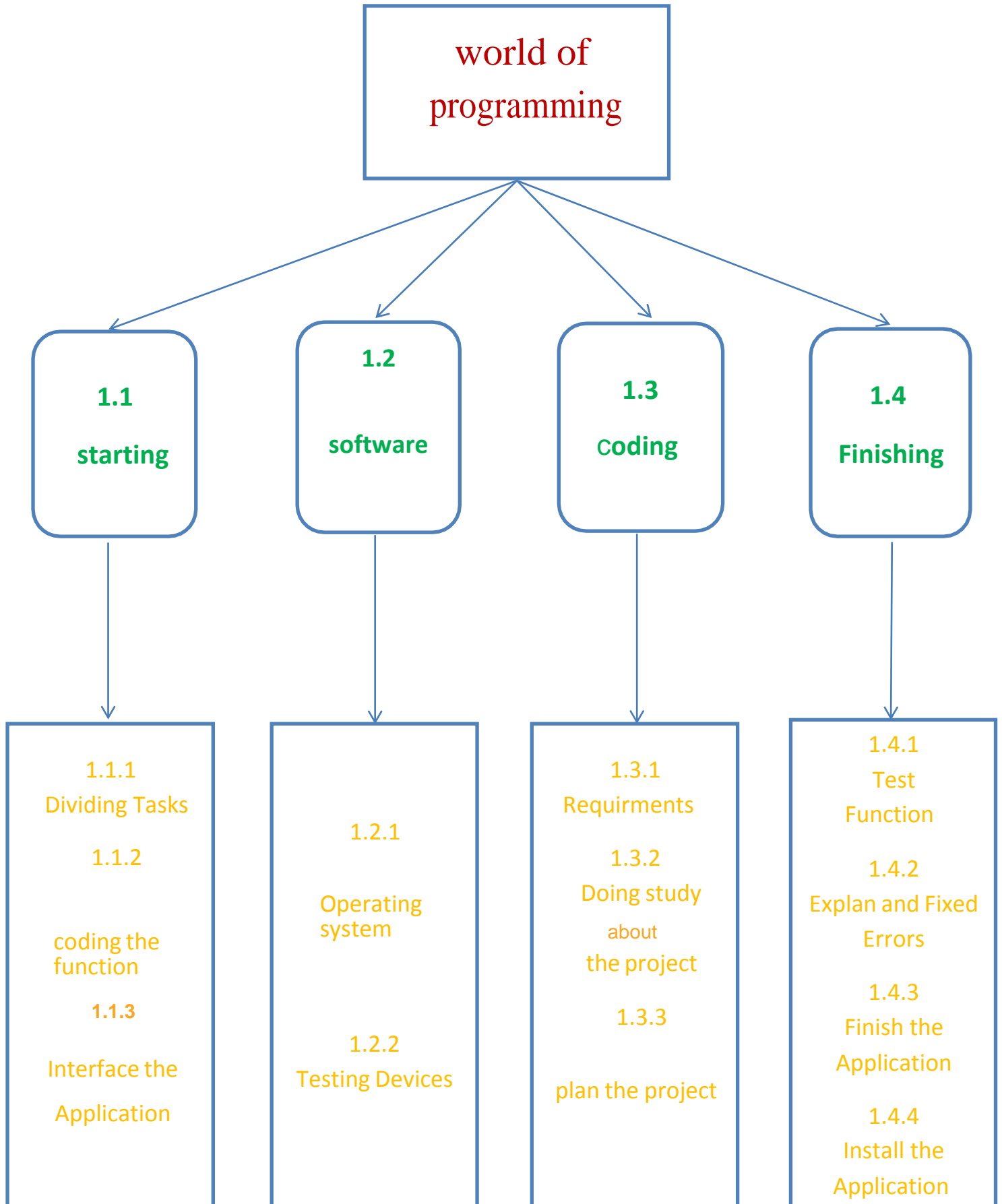
Dictionary of WBS

1.1 Starting

Work PackageID	1.1.1
Work Package Name	Dividing Tasks
Description	Meeting with the team and arranging tasks
Person	Manager & Team Members
Start Date	1 October 2018
End Date	4 October 2018

Work PackageID	1.1.2
Work Package Name	Cooding the functions in all tasks
Description	Initiation of work on the project by the team
Person	Team
Start Date	October 2018 5
End Date	October 2018 11

Work PackageID	1.1.3
Work Package Name	Interface the application
Description	Working on the program interface
Person	Manager and Team Member
Start Date	October 2018 12
End Date	October 2018 22

1.2 Software

Work PackageID	1.2.1
Work Package Name	Operating system
Description	The application is made compatible with the operating system
Person	Team Members
Start Date	October 2018 23
End Date	October 2018 31

Work PackageID	1.2.2
Work Package Name	Testing devices
Description	The software is tested by developers, managers supporters
Person	Manager & Team Members
Start Date	Novamber 2018 1
End Date	Novamber 2018 11

1.3 Cooding

Work PackageID	1.3.1
Work Package Name	Requirments
Description	Meeting with team,Stakeholder and Sponser
Person	Manager & Team Members
Start Date	Novamber2018 12
End Date	Novamber 2018 22

Work PackageID	1.3.2
Work Package Name	Doing Study about the Project
Description	Collecting all information about the project
Person	Manager
Start Date	Novamber 2018 23
End Date	Novamber 2018 31

Work PackageID	1.3.3
Work Package Name	Plan the project
Description	Collecting all information about the project
Person	Manager and Team Member
Start Date	1 december 2018
End Date	10 december 2018

1.4 Finishing

Work PackageID	1.4.1
Work Package Name	Requirment
Description	Meeting with team,Stakeholder and Sponser
Person	Manager & Team Members
Start Date	1 October 2018
End Date	4 October 2018

Work PackageID	1.4.2
Work Package Name	Policites
Description	Know the Policites and Recommends of the minister
Person	Manager
Start Date	5 October 2018
End Date	11 October 2018

Work PackageID	1.4.3
Work Package Name	Doing Study about the Project
Description	Collecting all information about the project
Person	Manager and Team Member
Start Date	12 October 2018
End Date	22 October 2018

Work PackageID	4..1
Work Package	Install the application
Person	Manager and Team Member
Start Date	January 2019 1
End Date	January 2019 1

2	2	5
0	2P	0
2	3	5

5	5	8
0	1P	0
5	3	8

0	1	2
0	2P	0
0	2	2

8	6	10
0	1P	0
8	2	10

10	7	12
0	1P	0
10	2	12

2	3	4
3	2P	3
5	2	7

5	4	6
2	2P	2
7	1	8
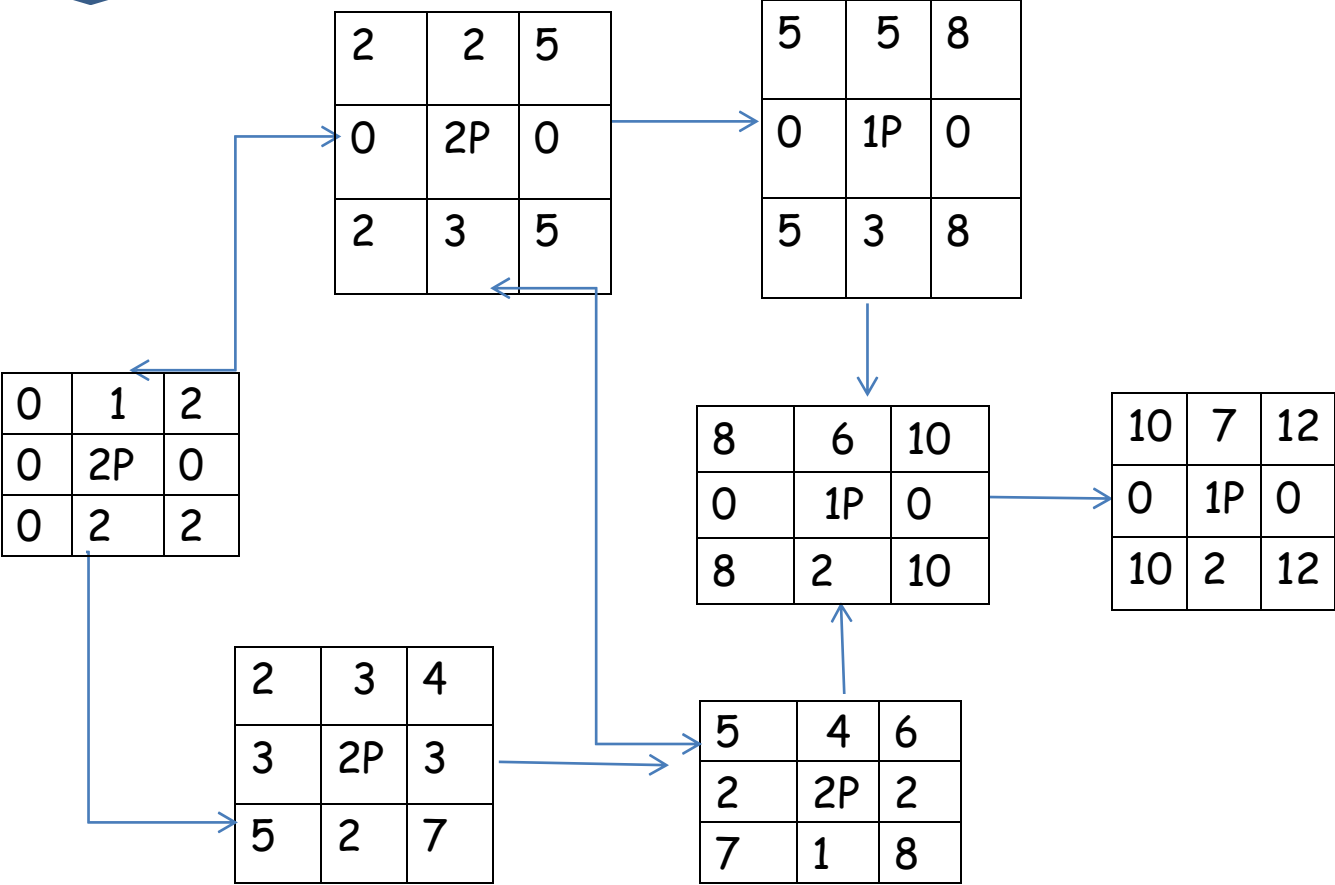
ID	RES	DUR	ES	LF	SL	0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	2p	2	0	2	0	2p	2p												
2	2p	3	2	5	0			2p	2p	2p									
3	2p	2	2	7	3			2p	2p										
4	2p	1	5	8	2						2p								
5	1p	3	5	8	0						1p	1p	1p						
6	1p	2	8	10	0										1p	1p			
7	1p	2	10	12	0												1p	1p	
Total resource load						2p	2p	4p	4p	2p	3p	1p	1p	1p	1p	1p	1p		

Risk management

Risks that may face your project

1 Material cost: the project may cost a lot of money that may exceed the expected cost of the project, because the project must be very careful in the accuracy of implementation to identify errors that may occur during implementation and suggest the best solutions to errors

2 The spread of the application: the extent of the spread of the program is an important factor in the success or failure of any program. There are many good programs that started and ended without us hearing about them, because of their poor spread

Suggested solutions

1 Raising the expected cost of the project so as not to get into a problem with the sponsors to increase the financial support for the project or by submitting a feasibility study that proves the extent of the expected financial benefit and proves that the financial returns of the project will cover the material cost paid on it and increase by a large amount

2 Well-thought-out publicity for the project greatly helps in the success of the project and its reaching the right people by suggesting the program to the most influential people in the field of programming to suggest it to their trainees

Budget :-

id	dur	Task	Budget	1	2	3	4	5	6	7	8	9	10	11	12	T
1	2	Design Requirements	2	1	1											
2	3	Database design	7		1	3	3									
3	2	Design	2				1	1								
4	1	Design user interface	3						3							
5	3	Develop	6						1	3	2					
6	2	Test	5									2	3			
7	2	Integrate system	4											3	1	
		total	30	1	2	3	4	1	4	3	2	2	3	3	1	30
		Cumulative	\\\\\\\	1	3	6	10	11	15	18	20	22	25	28	29	30