



Team members  
Names

**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 discription:

- 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 execution:**

- 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:**

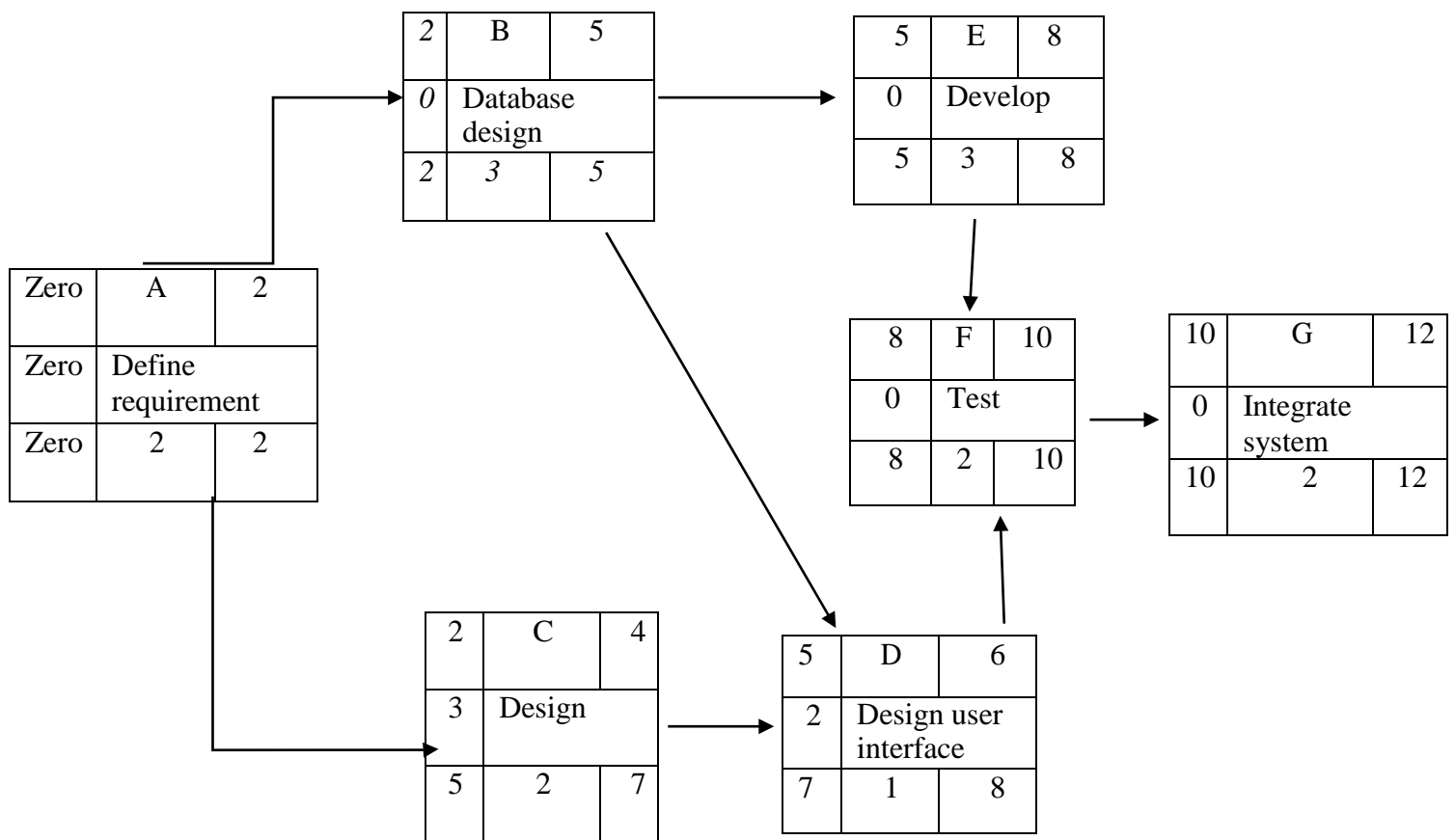
- 1-The project does not take more than 3 months.

- 2- The cost no more 30,000\$.

- **High level risks:**

- 1-Increase in the cost.

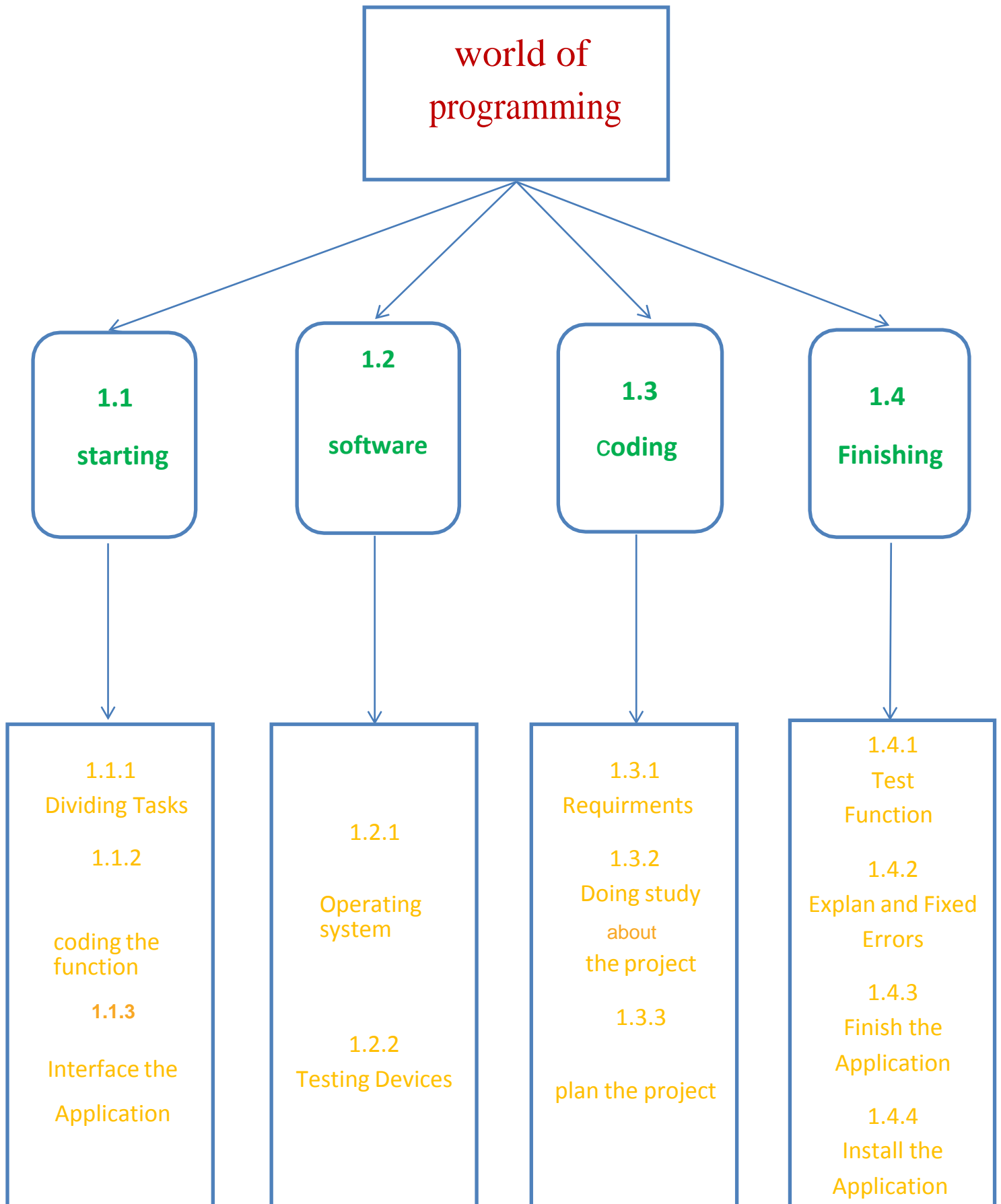
Activity	Pescription	Preceding Activity	Time
<b>A</b>	Design requirement	None	2
<b>B</b>	Database design	A	3
<b>C</b>	Design	A	2
<b>D</b>	Design user interface	B&C	1
<b>E</b>	Develop	B	3
<b>F</b>	Test	E&D	2
<b>G</b>	<b>Integrate system</b>	<b>F</b>	<b>2</b>



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





# Dictionary of WBS

## 1.1 Starting

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

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

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

# 1.2 Software

<div><div>Work PackageID</div><div>Work Package Name</div><div>Description</div><div>Person</div><div>Start Date</div><div>End Date</div></div>	<div><div>1.2.1</div><div>Operating system</div><div>The application is made compatible with the operating system</div><div>Team Members</div><div>October 2018 23</div><div>October 2018 31</div></div>
<div><div>Work PackageID</div><div>Work Package Name</div><div>Description</div><div>Person</div><div>Start Date</div><div>End Date</div></div>	<div><div>1.2.2</div><div>Testing devices</div><div>The software is tested by developers, managers supporters</div><div>Manager &amp; Team Members</div><div>November 2018 1</div><div>November 2018 11</div></div>

## 1.3 Cooding

<i>Work PackageID</i> <i>Work Package Name</i> <i>Description</i> <i>Person</i> <i>Start Date</i> <i>End Date</i>	<b>1</b>  Requirments  Meeting with team,Stakeholder and Sponser  Manager & Team Members  Novamner2018 12  Novamner 2018 22
<i>Work PackageID</i> <i>Work Package Name</i> <i>Description</i> <i>Person</i> <i>Start Date</i> <i>End Date</i>	<b>1.3.2</b>  Doing Study about the Project  Collecting all information about the project  Manager  Novamner 2018 23  Novamner 2018 31
<i>Work PackageID</i> <i>Work Package Name</i> <i>Description</i> <i>Person</i> <i>Start Date</i> <i>End Date</i>	<b>1.3.3</b>  Plan the project  Collecting all information about the project  Manager and Team Member  1 december 2018  10 december 2018

## 1.4 Finishing

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

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

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

*Work PackageID*

*Work Package*

*Person*

*Start Date*

*End Date*

**4..1**

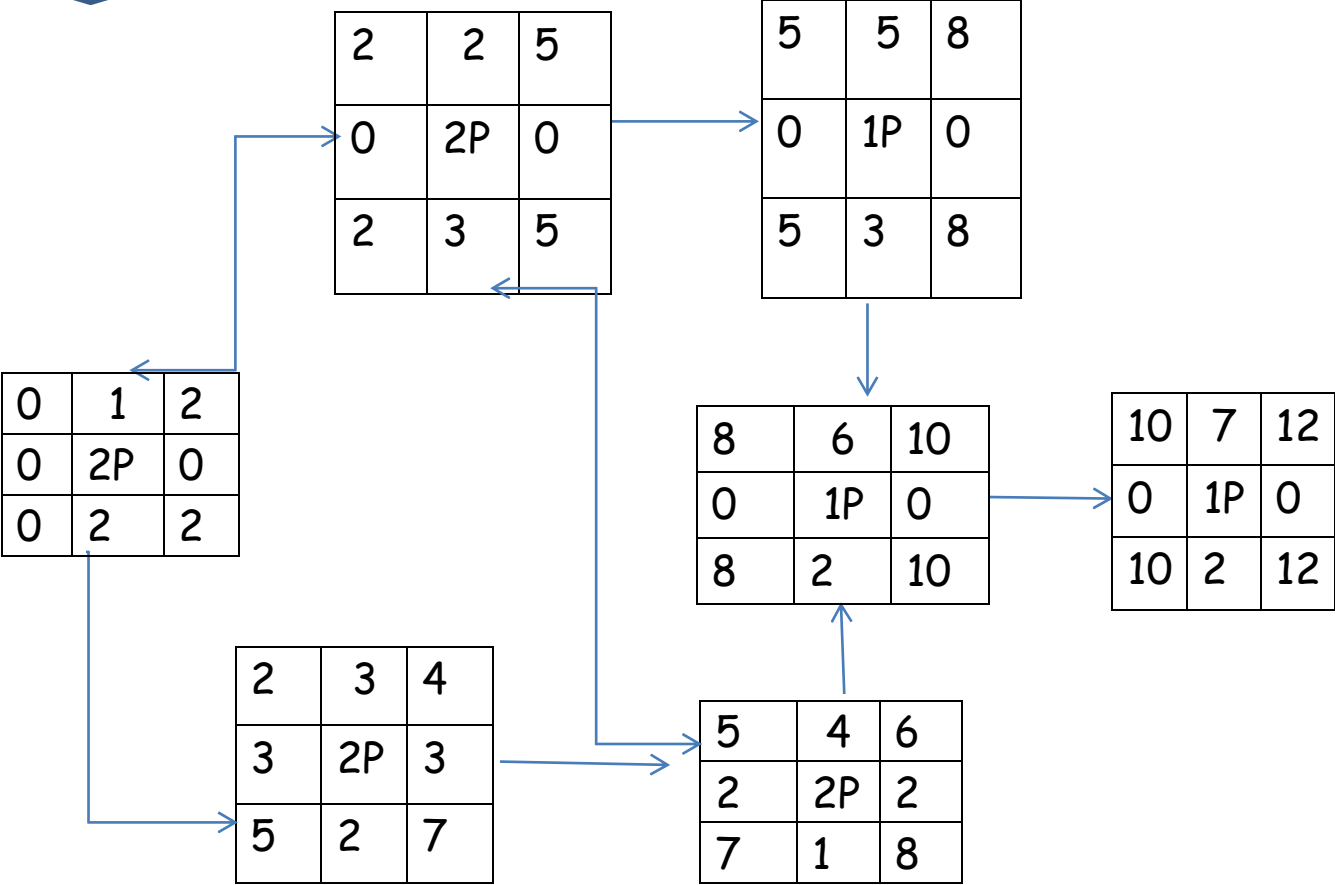
**Install the application**

**Manager and Team Member**

**January 2019 1**

**January 2019 1**

Resource constrain



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

