

Department of Computer Science

CPIS334, Fall Term 2020



Introduction to Project Management CPIS-334

Instructor: Abeer Albluwi

Project Team

| Name | Section |
|-------------------------|---------|
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Introduction

At this time, people need what facilitates their work and their lives, and supports them in times of crisis, so we decided to create a food delivery application that would be available on every consumer's mobile. This application enables him to order his food for delivery at the required time faster and is sterilized from all types of bacteria and viruses, satisfactory service is provided to consumers, and we also implement weekly offers on our application, and we focus on customer satisfaction and achieving goals.

Purpose of project

The purpose of this project is to make purchasing food less complicated for all consumers due to the Corona epidemic and their fear of gathering among people in the short term, and to provide high efficiency.

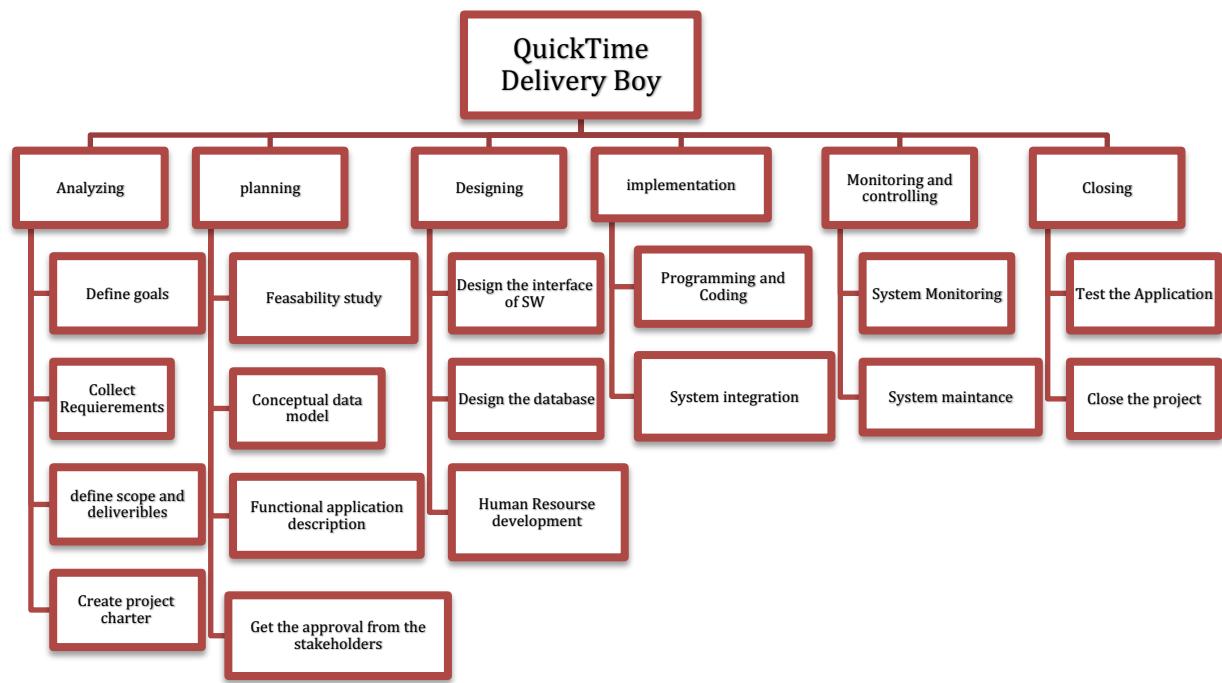
Goals and Objectives

- Eliminating unnecessary paperwork.
- Easier way to order from available food stores.
- Know the available offers .
- Allows the customer for ordering the food very easy and simple.
- Manage the details track order ,choosing store , and Payment.
- Earn profit by providing satisfactory and competitive services to the customers.
- Increase Awareness the people to use modern technologies to facilitate their lives.

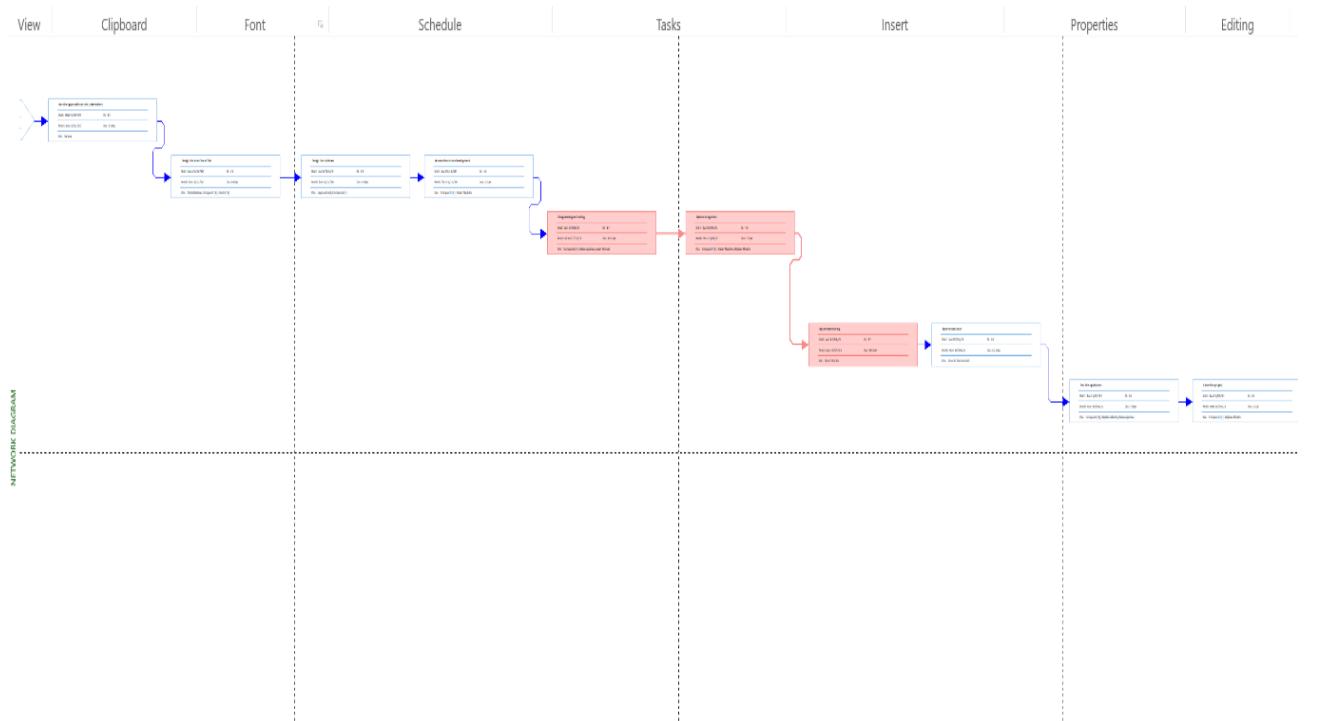
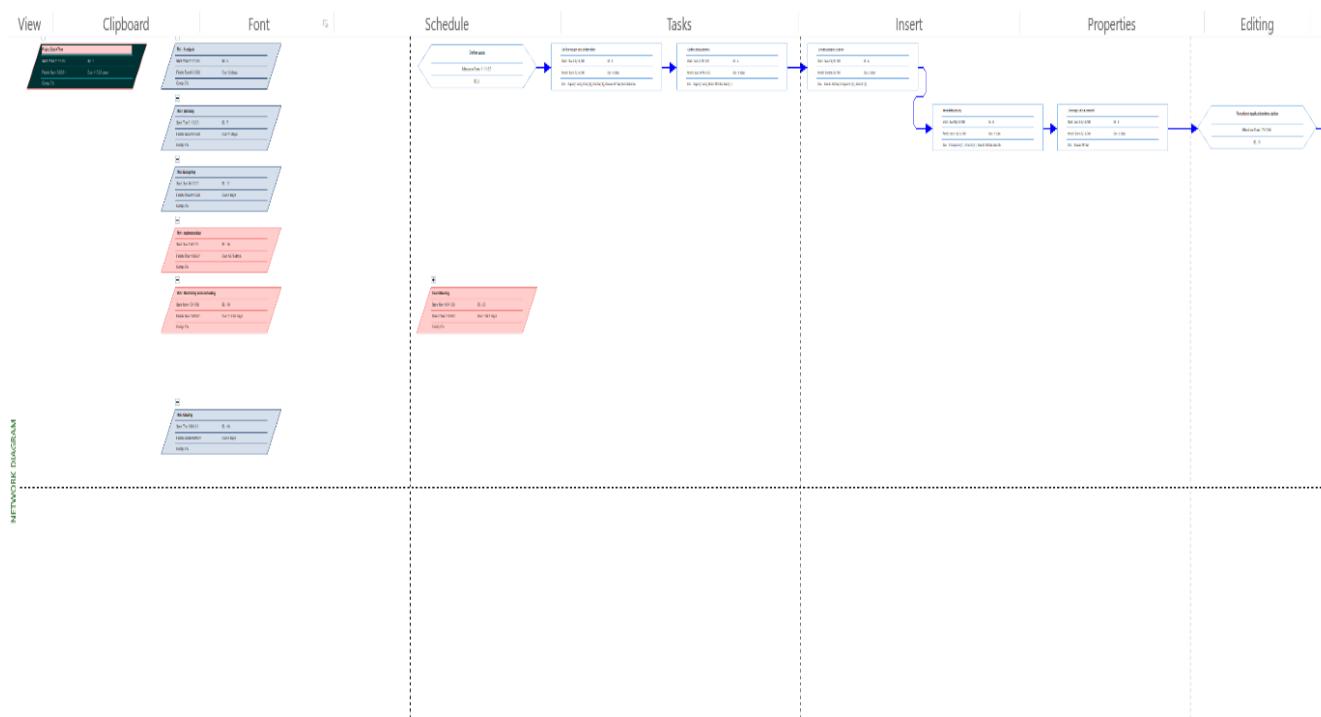
Project Charter:

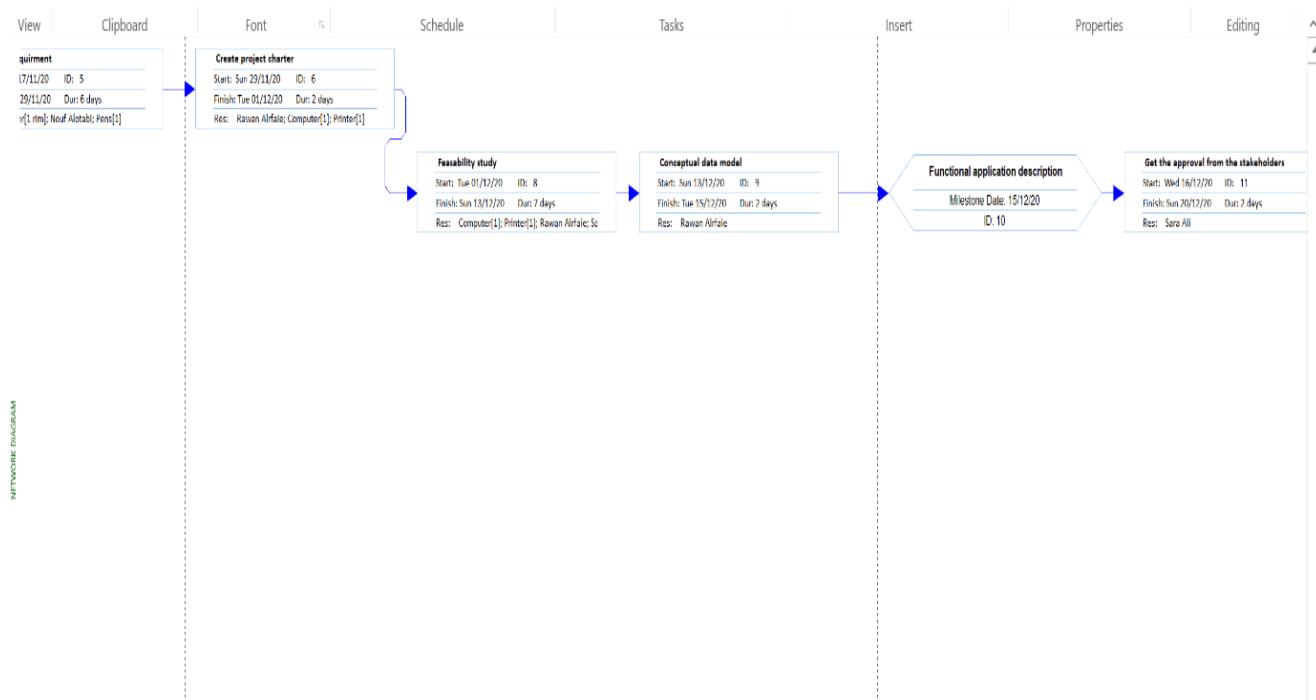
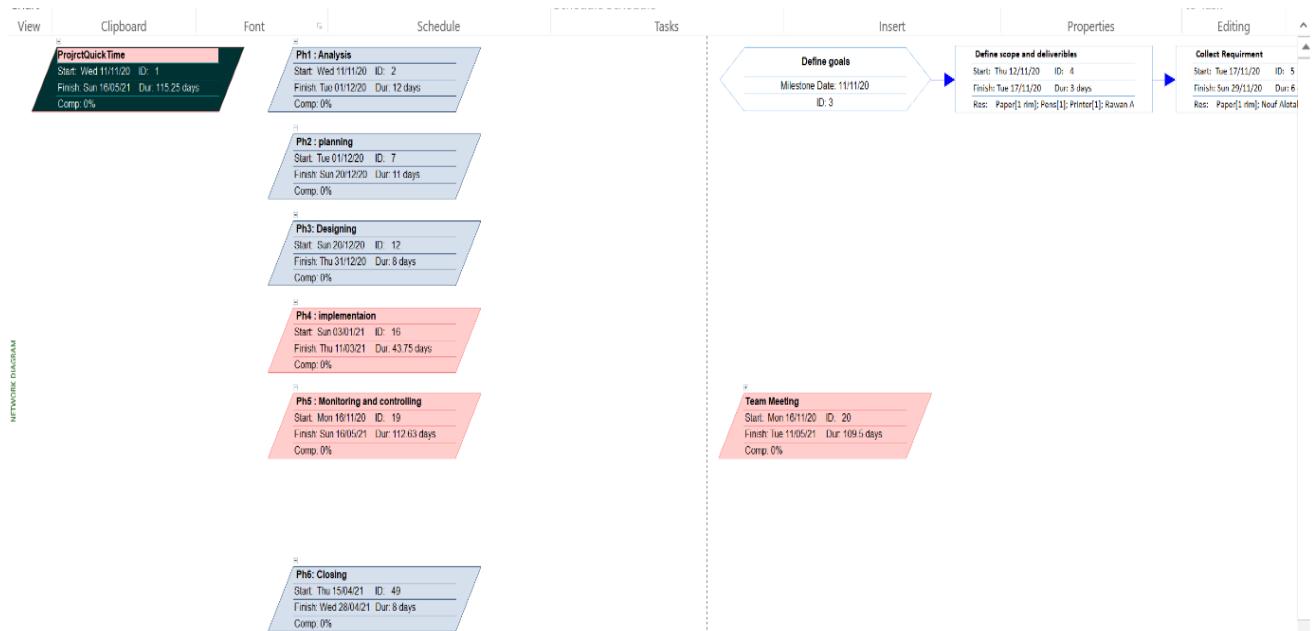
| | | | |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|
| Project Name | QuickTime Delivery Boy | | |
| Project Description | Application that make offers for services of food delivery . | | |
| Start Date | 11/11/20 | End Date | 16/05/21 |
| Budget information | The company has allocated 300,000\$ for this project . Most costs for this project will be for internal employees and members , An initial estimation provides a total of 80 hours per week . | | |
| Milestones | Defining the goal of the application in 11/11/20 Functional application description in 15 /12 /20 | | |
| Risk / Issues | 1-The continuous changes of offers and prices in app . 2- The app may slow when a lot of people use it at the same time . 3- Different mobile platforms “IOS, Android” . | | |
| Scope Statement | Create an efficient and easily food delivery application | | |
| Deliverables | The application can track the status of a customer’s order, and it allows for flexible payment options. It is also provide information about the person carrying out the delivery and allow communication with him. | | |
| Team Members : | Manger : Sara Ali Analyst: Rawan Alfaie Designer: Aisha Baskran Programmer: Razan Aljuhani , Layan Ahmed Tester: Wejdan Alharbi Maintenance: Nourah Muhammed Monitoring: Nuof Alotaibi | | |
| Approval committee | Manager: Abeer Faris Delivery company | | |

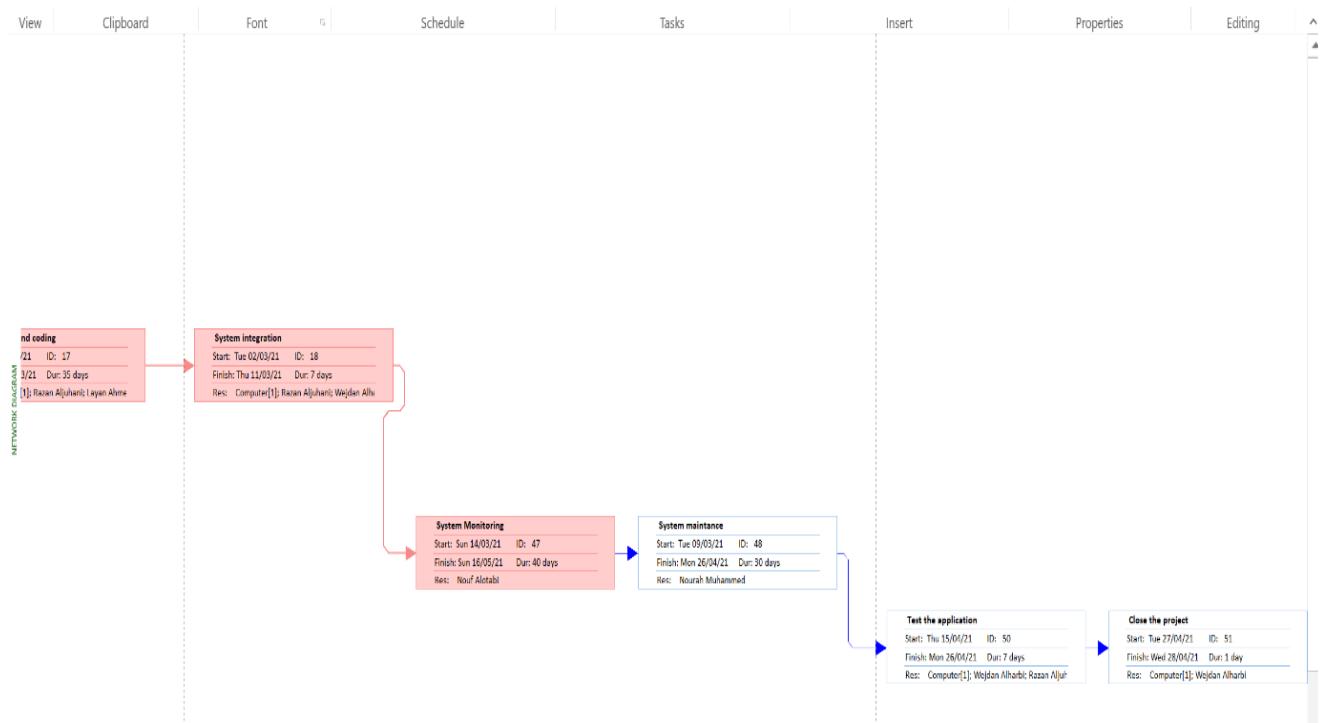
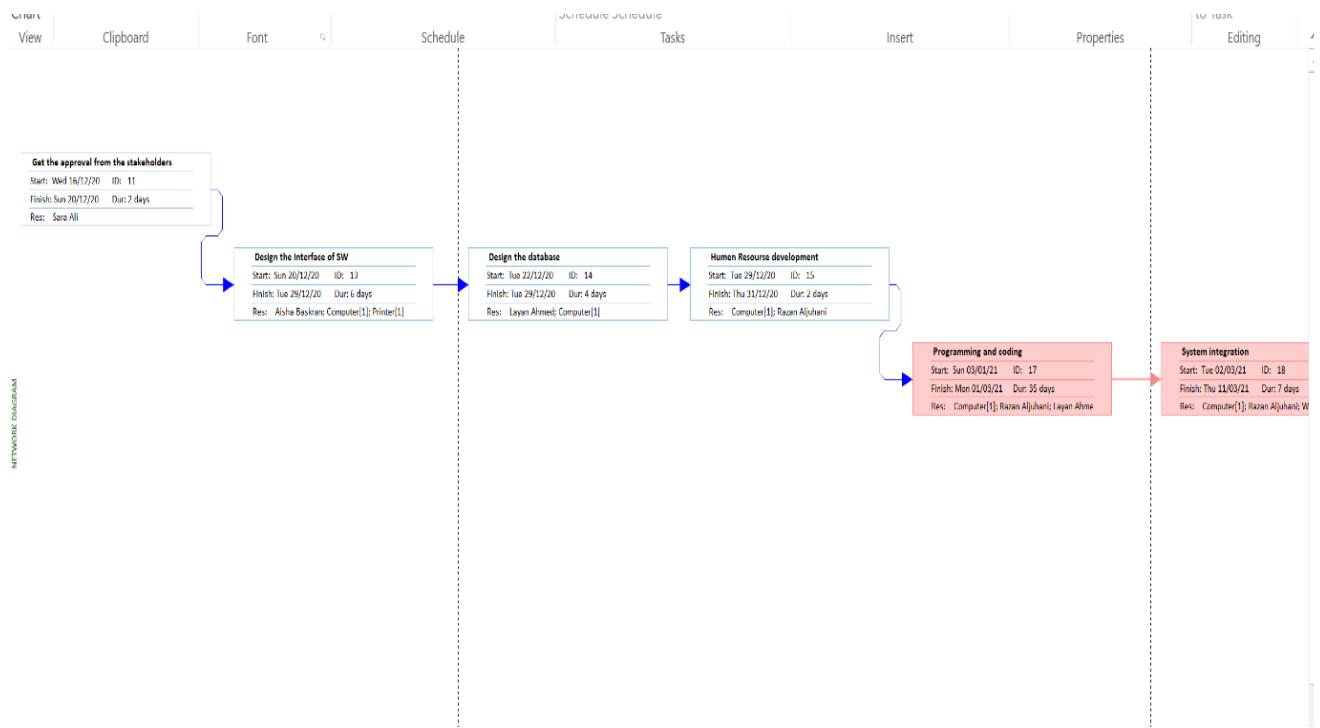
Work Breakdown Structure (WBS)



Network diagram (PDM)







Project cost Estimate

COST OVERVIEW

WED 11/11/20- SUN 16/05/21

COST STATUS

Cost status for top level tasks.

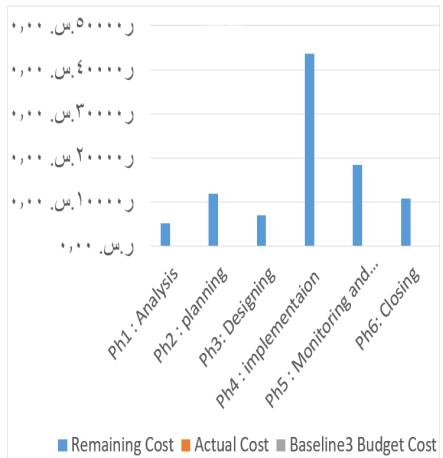
COST OVERVIEW

| Name | Actual Cost | Remaining Cost | Baseline Cost | Cost | Cost Variance |
|----------------------------------|-------------|----------------|----------------|----------------|---------------|
| Ph1 : Analysis | ٢٠٠,٠٠ ج.م. | ٥,١٣٠,٠٠ ج.م. | ٥,٦١٠,٠٠ ج.م. | ٥,١٣٠,٠٠ ج.م. | -٤٨٠,٠٠ ج.م. |
| Ph2 : planning | ٢٠٠,٠٠ ج.م. | ١١,٨٦٠,٠٠ ج.م. | ١١,٨٦٠,٠٠ ج.م. | ١١,٨٦٠,٠٠ ج.م. | ٠,٠٠ ج.م. |
| Ph3: Designing | ٢٠٠,٠٠ ج.م. | ٦,٩٨٠,٠٠ ج.م. | ٦,٩٨٠,٠٠ ج.م. | ٦,٩٨٠,٠٠ ج.م. | ٠,٠٠ ج.م. |
| Ph4 : implementaion | ٢٠٠,٠٠ ج.م. | ٤٣,٥٦٠,٠٠ ج.م. | ٤٣,٥٦٠,٠٠ ج.م. | ٤٣,٥٦٠,٠٠ ج.م. | ٠,٠٠ ج.م. |
| Ph5 : Monitoring and controlling | ٢٠٠,٠٠ ج.م. | ١٨,٤٠٠,٠٠ ج.م. | ١٨,٤٠٠,٠٠ ج.م. | ١٨,٤٠٠,٠٠ ج.م. | ٠,٠٠ ج.م. |
| Ph6: Closing | ٢٠٠,٠٠ ج.م. | ١٠,٧٦٠,٠٠ ج.م. | ١٠,٧٦٠,٠٠ ج.م. | ١٠,٧٦٠,٠٠ ج.م. | ٠,٠٠ ج.م. |

COST STATUS

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

Try setting as baseline



GANNT CHART

GANNT CHART

READY

READY

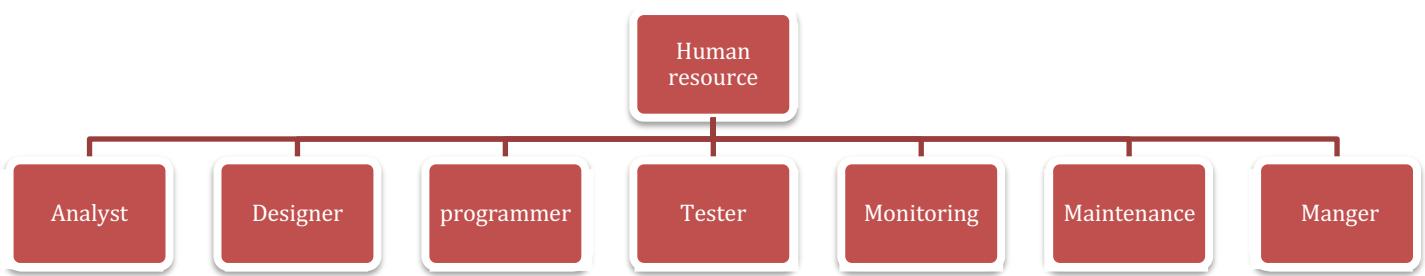
Staffing procedure and plan (HR Management)

- Post hiring advertisements in social media and our application and design the advertisements well to attract applicants .
- Establish standards for the staff.
- Check the applicants' CVs.
- Make interviews and choose the staff based on the interview and check if He/She is eligible for the job or still needs training.
- Finally we will hire those who have passed that interview.

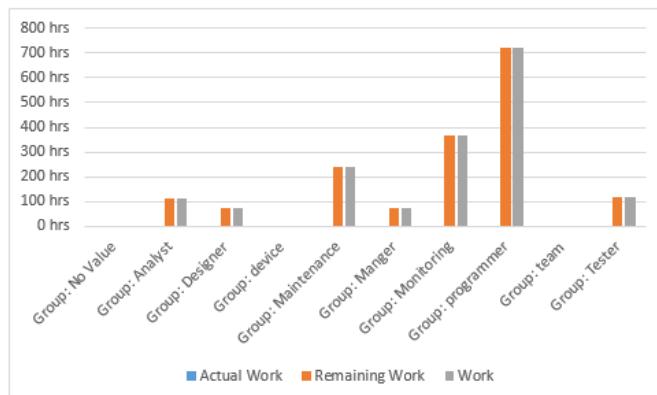
The jobs we need to our project

| Person | # Of Staff | Tasks |
|--------------------|-------------------|------------------------------------------------------------------------------|
| Manger | 1 | Has the overall responsibility for the successful of all phases of project . |
| Analyst | 1 | Analysis Responsible for the requirements and motoring |
| Designer | 1 | Design database, interface the application, and schedule planning |
| Programmer | 2 | Coding the program and update the application . |
| Tester | 1 | Test and evaluation the program |
| Monitoring | 1 | Ensure that the project is within scope, and the budget |
| Maintenance | 1 | Ensure that the system is working well and there is no issues |

Organizational chart and histogram (HR Management)

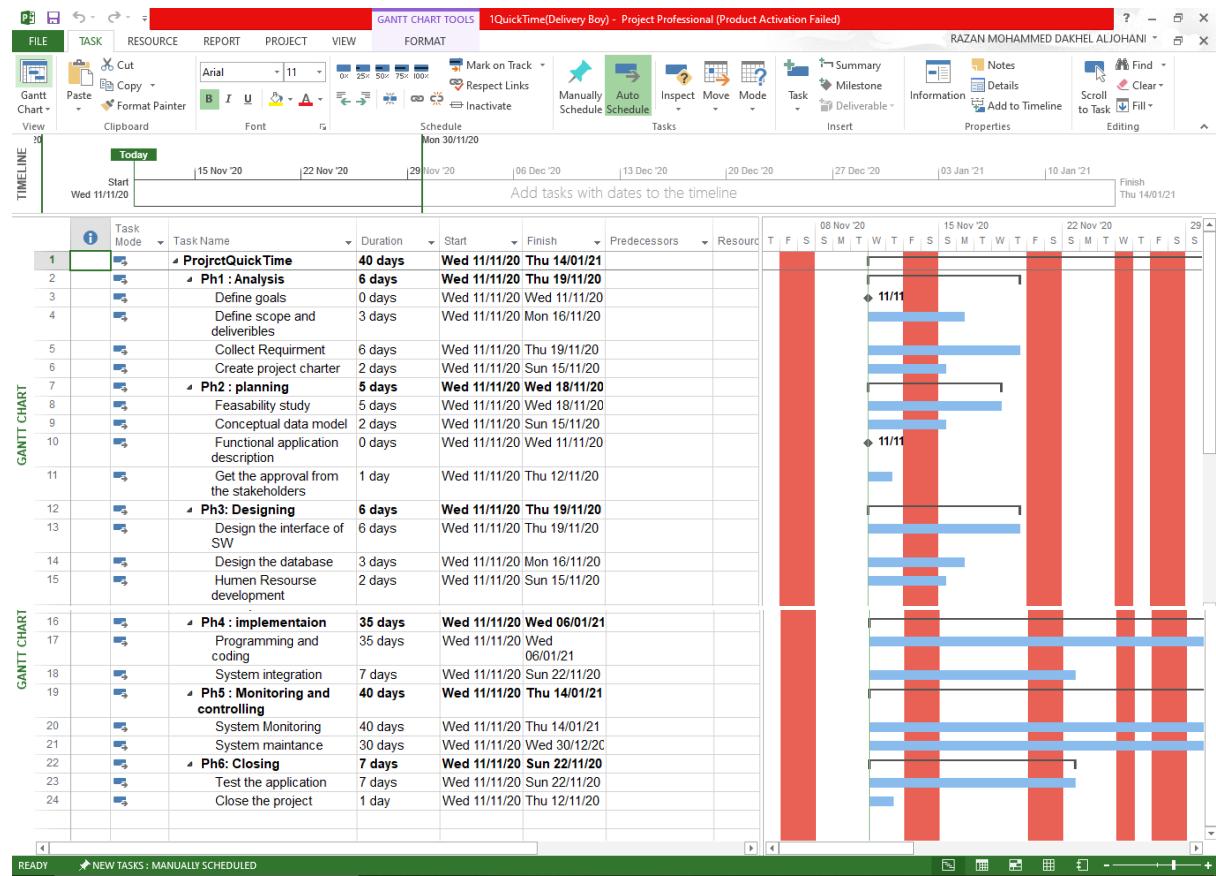


Report 1

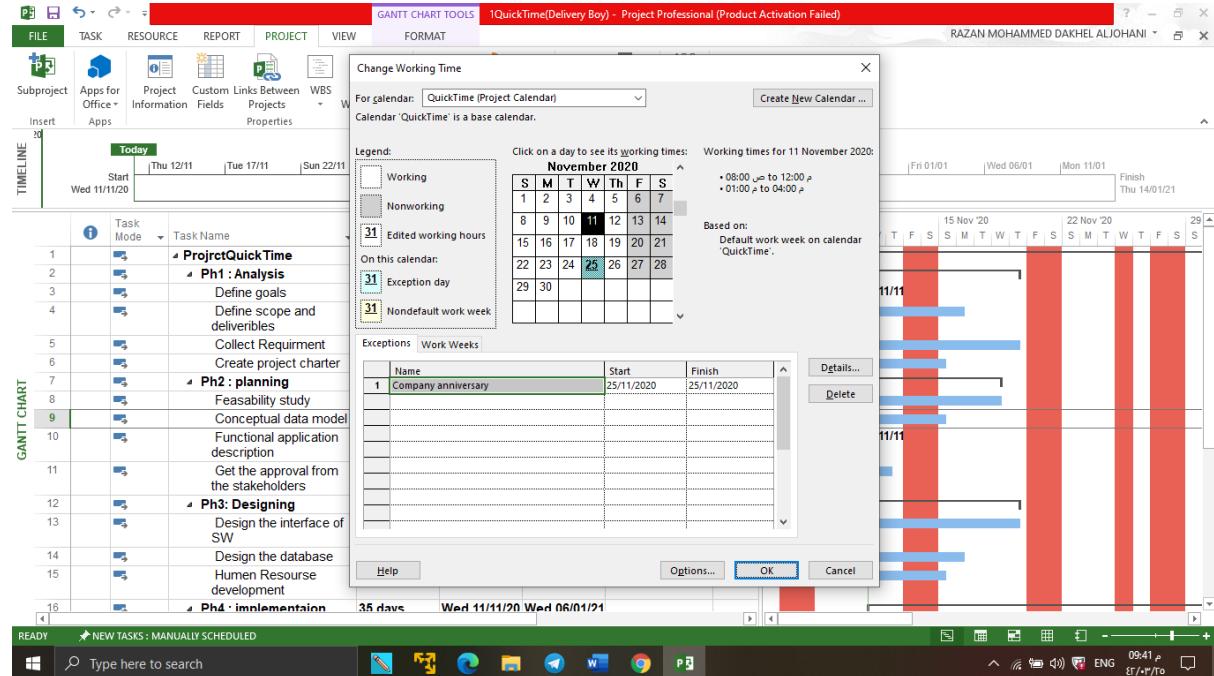


Detailed Project Schedule (MS Project)

Enter general project information , such as the project name and start date

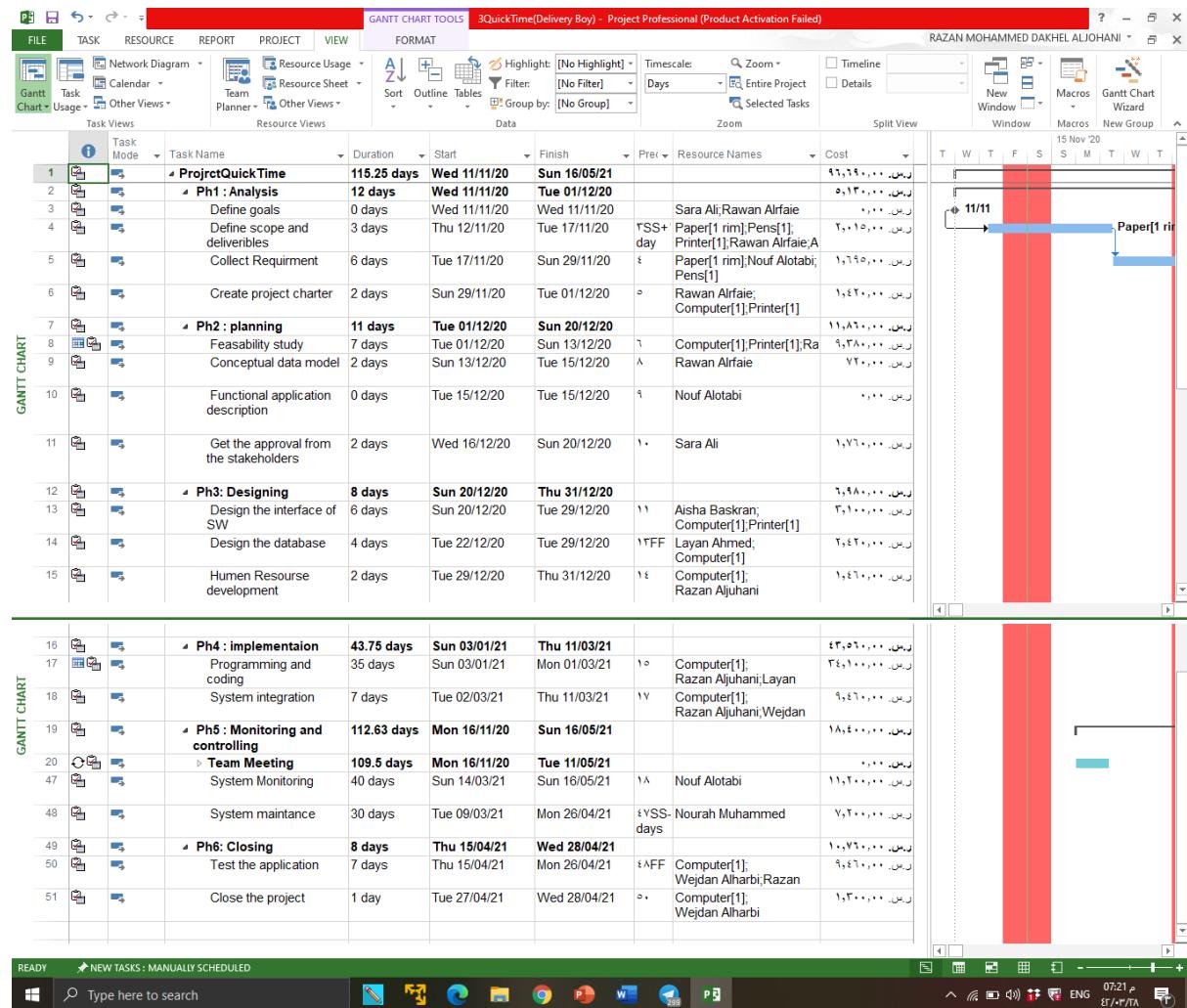


Make calendar settings for your project based on your organization's work-nonwork days.

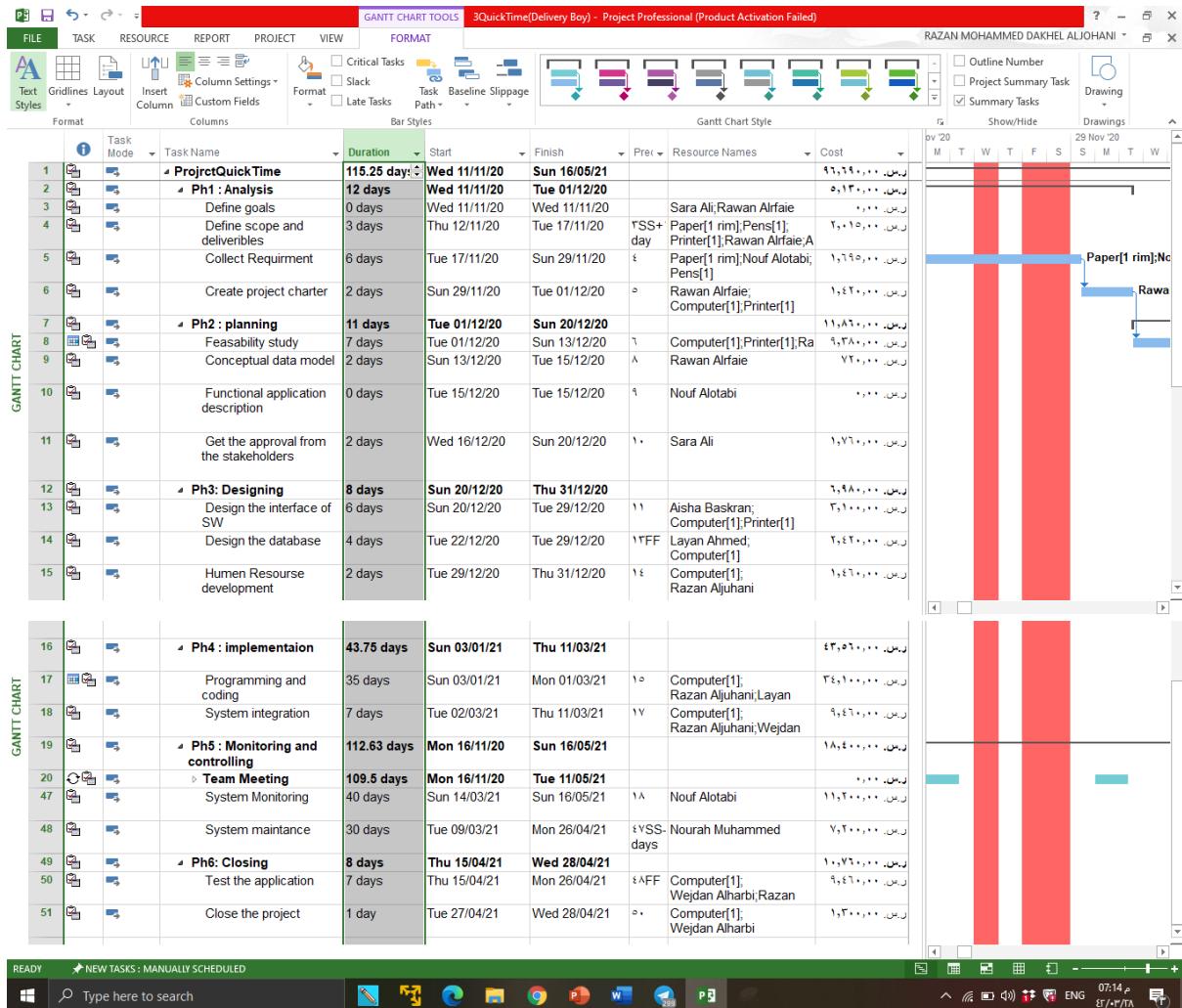


Enter the names of summary tasks (Phases)

Enter the names of subtasks

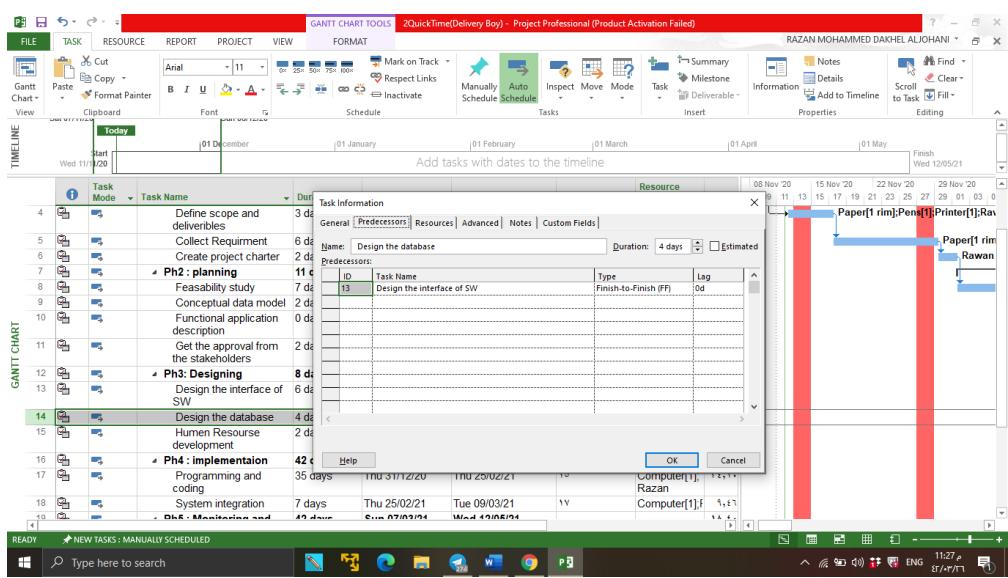


1. You should set the tasks duration

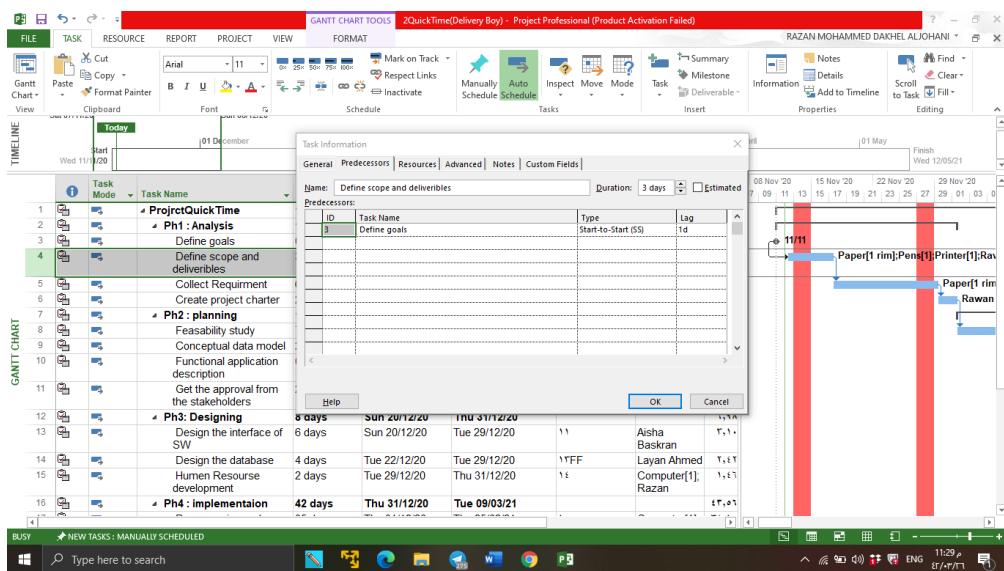


2. You should configure the relationships between tasks (at least 2 types)

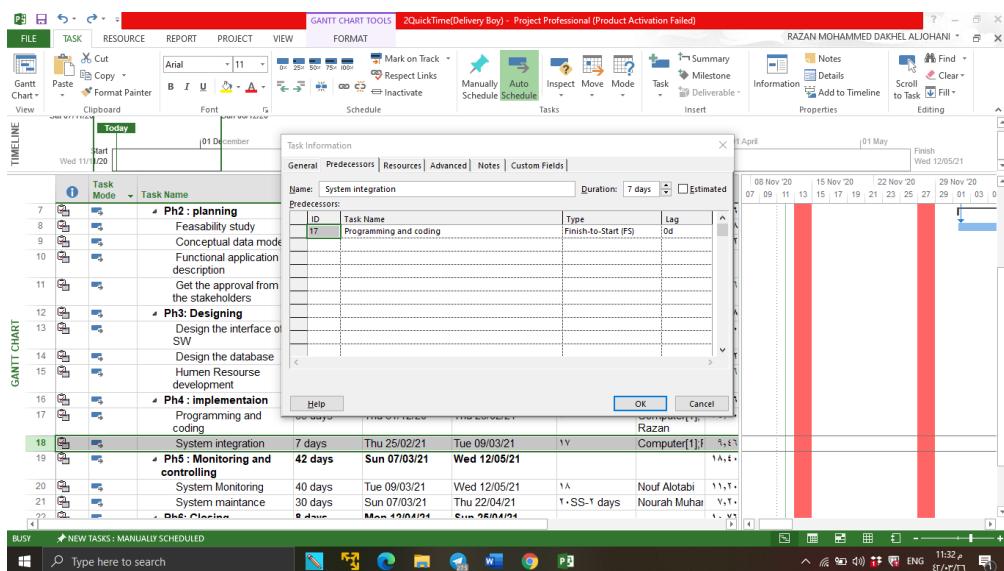
FF (Finish to finish)



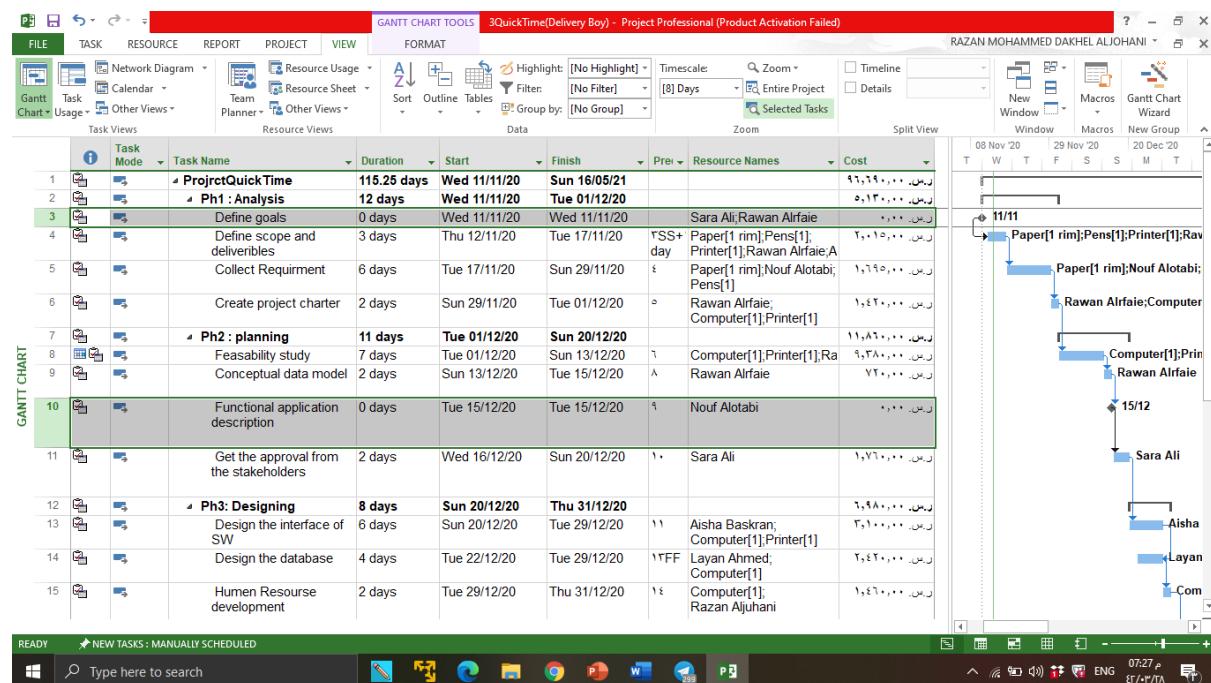
SS (Start to Start)



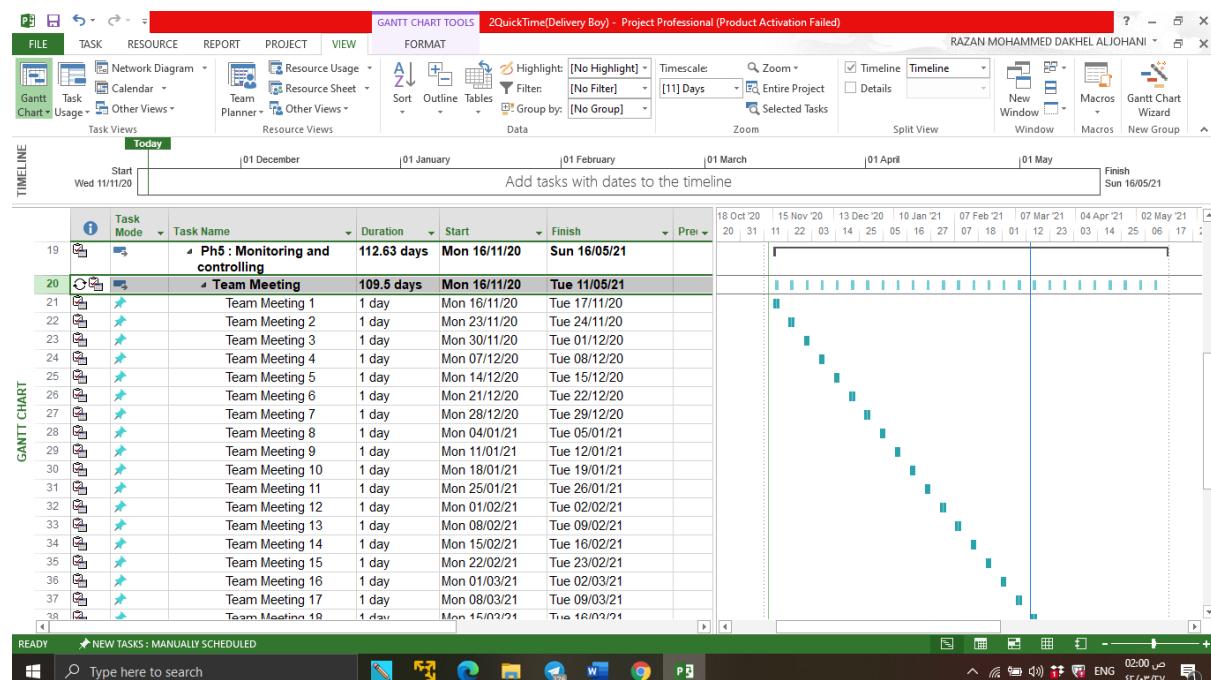
FS (Finish to Start)



3. Project should contain some Milestones (at least 2 milestones).



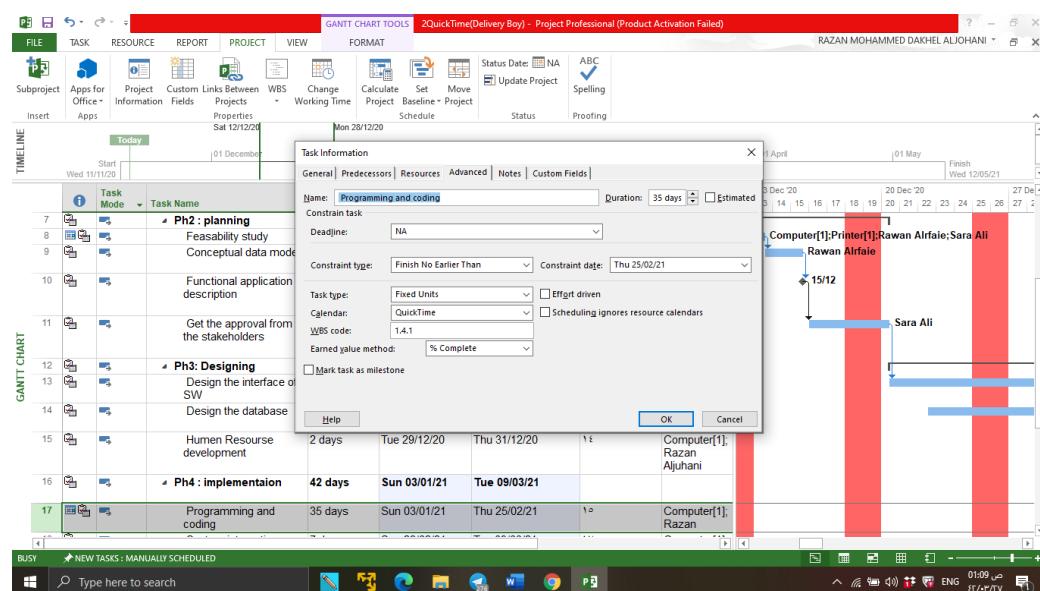
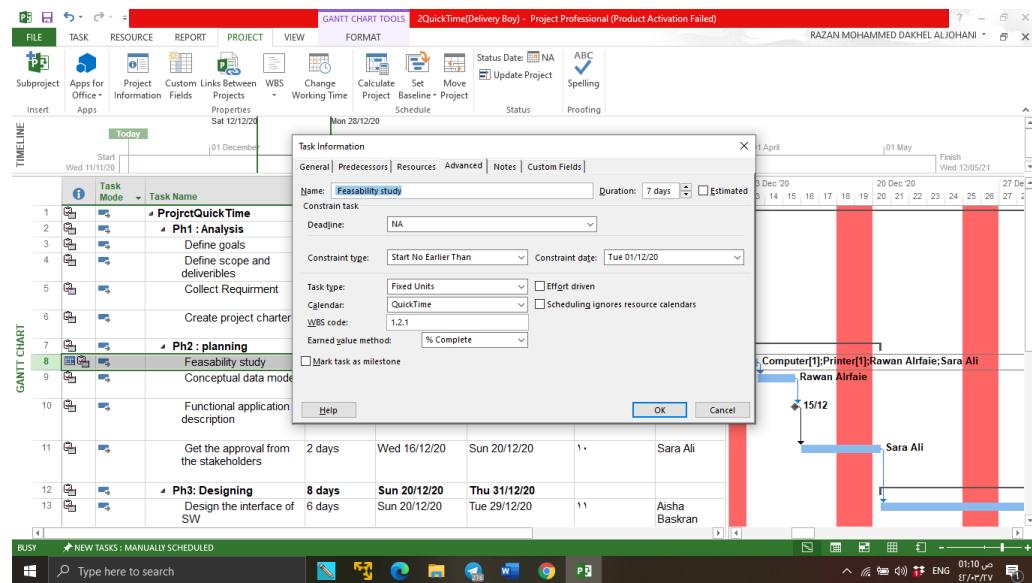
4. Project should contain a recurring task that should be repeated once a week on Monday until the finish date.



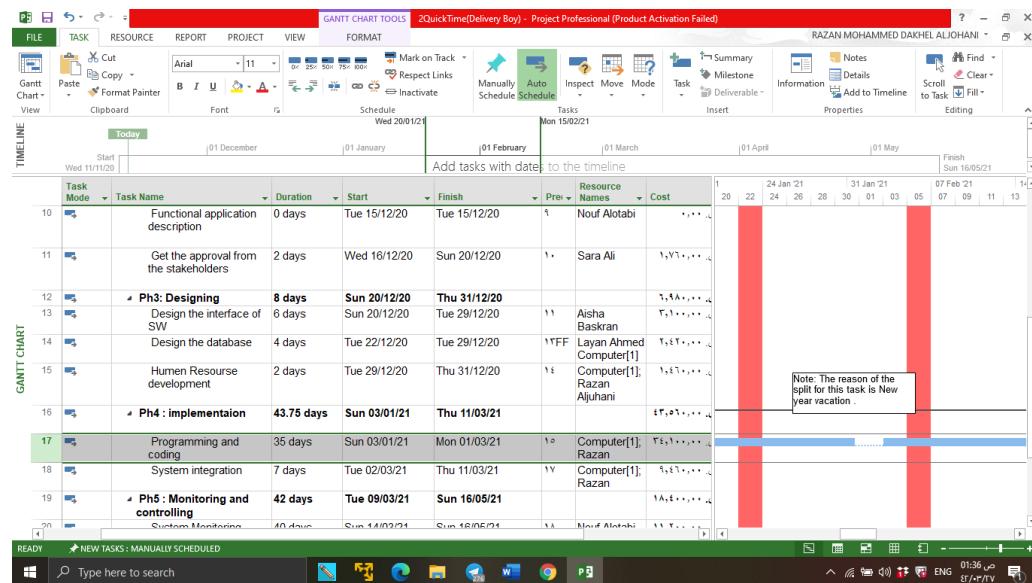
5. Project should contain all 3 types (work, material and cost) of resources and enter all their information in resource sheet.

| | Resource Name | Type | Material | Initials | Group | Max. | Std. Rate | Ovt. Rate | Cost/Use | Accrued At | Base | Code | Add New Col... |
|----|-----------------|----------|----------|----------|-------------|------|-------------|-------------|-------------|------------|-----------|------|----------------|
| 1 | Razan Aljuhani | Work | | R | programmer | 100% | ٦٠٠,٠٠.س.لر | ٩٠٠,٠٠.س.لر | ١٠٠,٠٠.س.لر | Prorated | QuickTime | | |
| 2 | Wejdan Alharbi | Work | | W | Tester | 100% | ١٠٠,٠٠.س.لر | ١٣٠,٠٠.س.لر | ١٣٠,٠٠.س.لر | Prorated | QuickTime | | |
| 3 | Aisha Baskran | Work | | A | Designer | 100% | ٥٠,٠٠.س.لر | ٧٥,٥٠.س.لر | ٧٥,٥٠.س.لر | Prorated | QuickTime | | |
| 4 | Rawan Alfarie | Work | | R | Analyst | 100% | ٤٥٠,٠٠.س.لر | ٦٧٥,٥٠.س.لر | ٦٧٥,٥٠.س.لر | Prorated | QuickTime | | |
| 5 | Layan Ahmed | Work | | L | programmer | 100% | ٦٠,٠٠.س.لر | ٩٠,٠٠.س.لر | ٩٠,٠٠.س.لر | Prorated | QuickTime | | |
| 6 | Nourah Muhammed | Work | | N | Maintenance | 100% | ٣٠,٠٠.س.لر | ٤٥,٠٠.س.لر | ٤٥,٠٠.س.لر | Prorated | QuickTime | | |
| 7 | Nouf Alotabi | Work | | N | Monitoring | 100% | ٣٥,٠٠.س.لر | ٥٢,٥٠.س.لر | ٥٢,٥٠.س.لر | Prorated | QuickTime | | |
| 8 | Sara Ali | Work | | S | Manger | 100% | ١١٠,٠٠.س.لر | ١٦٥,٠٠.س.لر | ١٦٥,٠٠.س.لر | Prorated | QuickTime | | |
| 9 | Training | Cost | | T | | | | | | Prorated | | | |
| 10 | Delivery Boys | Cost | | D | team | | | | | Prorated | | | |
| 11 | | | | | | | | | | | | | |
| 12 | Paper | Material | rim | P | | | | ٥٠,٠٠.س.لر | ٨٠,٠٠.س.لر | ٨٠,٠٠.س.لر | Prorated | | |
| 13 | Computer | Material | | C | device | | ٥٠٠,٠٠.س.لر | ٧٥٠,٠٠.س.لر | ٧٥٠,٠٠.س.لر | Prorated | | | |
| 14 | Network Devices | Material | | N | device | | ١٣٠,٠٠.س.لر | ١٩٥,٠٠.س.لر | ١٩٥,٠٠.س.لر | Prorated | | | |
| 15 | Pens | Material | | P | | | ١٠,٠٠.س.لر | ١٥,٠٠.س.لر | ١٥,٠٠.س.لر | Prorated | | | |
| 16 | Printer | Material | | P | device | | ٢٠٠,٠٠.س.لر | ٣٠٠,٠٠.س.لر | ٣٠٠,٠٠.س.لر | Prorated | | | |
| 17 | Printer inks | Material | | P | | | | ٤٥,٠٠.س.لر | ٦٧,٥٠.س.لر | ٦٧,٥٠.س.لر | Prorated | | |

6. At least two tasks have constraint.

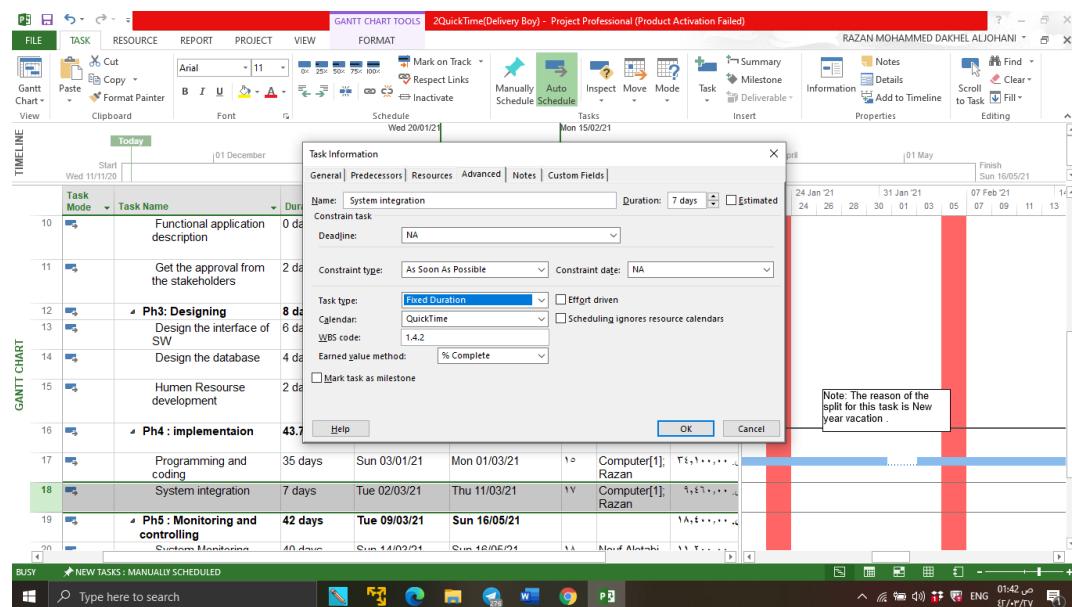


7. At least one task had interrupting for two days.

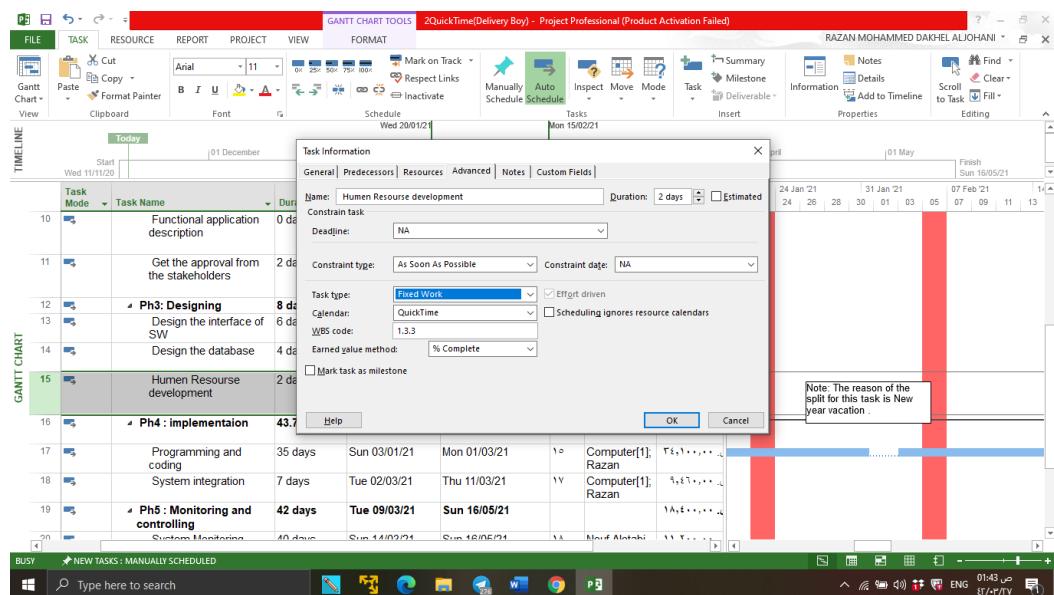


8. Set type of one task as fixed duration and other task as fixed work.

Fixed duration



fixed work



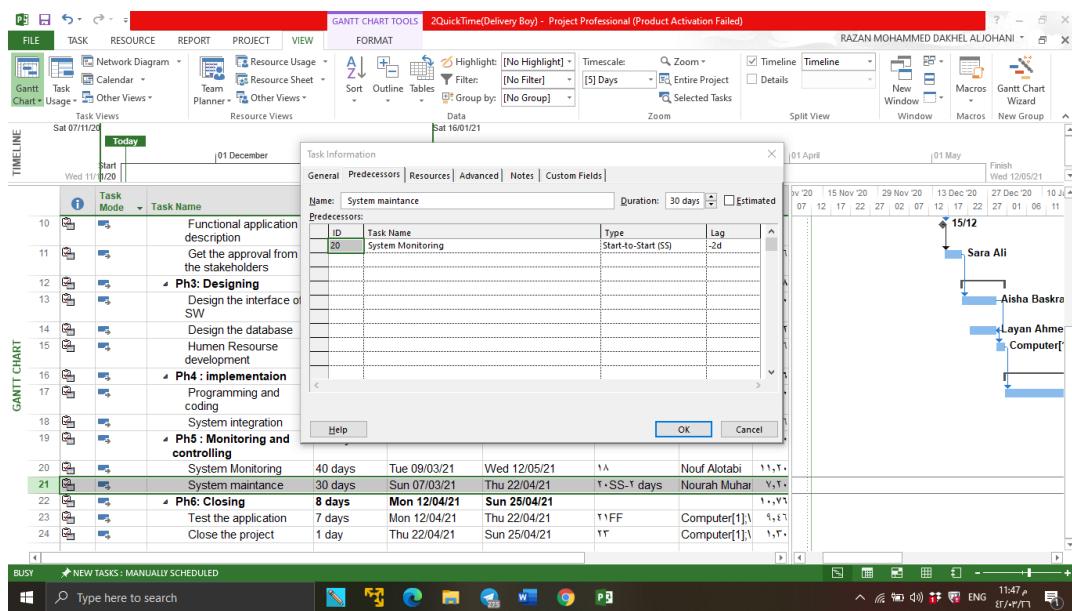
9. At least one person of your resource has a multiple pay rate depend on task and you should attach these different pay rates to his tasks.

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

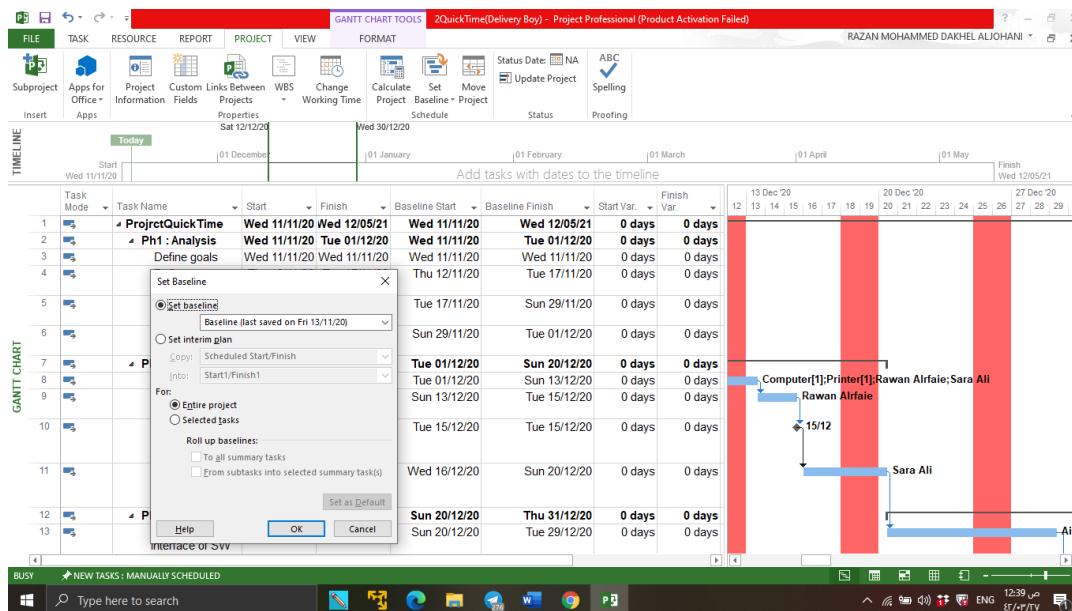
11 .At least two tasks have lead or lag time.

Lag :

Lead :



12. You should save your plan as a baseline.



Conclusion

At the end, we hope to meet and exceed customer expectation and their requirements . We accept criticism, whether it is positive or constructive because their satisfaction is our demand. Our main goal is to provide a user-friendly application with less cost for the user.

References

Schwalbe, K., 2015. *Information Technology Project*. Eighth Edition ed. United States of America: Congress Contro.