Doctor online

Project Management Plan

We Will Discuss :

- Project charter
- Project Scope
- Work break down structure (WBS)
- WBS Dictionary
- Responsibility matrix
- Project Network
- Resource constrained
- Gant chart
- Budget baseline
- Risk management & Monitoring

Project charter

▶ **Official project name:** **Doctor online application**

▶ **Project sponsor:** Commission of medical company.

▶ **Project manager:** Eng\Ghada.

▶ **Project members:**[Mohamed Abdallah-Mohamed taher -Mohamed maher-Mohamed Khalil-Mohamed abdel Mohsen-Mohamed abdelfatah].

▶ **Project purpose:**

▶ The goal of the project: to provide medical services to elderly patients, people with special needs and those with chronic diseases through the request that they need a doctor or a nurse at home

▶ **Business case:**

▶ This app will not be costly because we will use simple servers and we will need humble developers to build our app.

▶ **Project scope:**

▶ This application will save customer data when logging in at least once

▶ This application shows the doctors and nurses in the area where the client is located

▶ - The application also shows the period of time that the nurse doctor takes to reach the patient

▶ **Key deliverables:**

▶ This project helps the user to obtain distinguished and safe medical services from experienced doctors

▶ and nurses for the convenience of patients

▶ **Project milestones:**

▶ Requirements review: Requirements specifications are complete, correct, approved and appropriate by 20/5/2021

▶ Design Critical Review: Detailed designs that implement the entire system architecture, approved and suitable for input into

▶ code development by 6/8/2022.

▶ System test review: The software product has passed the system test and is suitable for entry into the acceptance test by

▶ 9/30/2021

▶ Product in operation: The software will be used in its target operational environment by 10/9/2021

▶ **Project's resources:**

▶ **Staff:** [Android developers – IOS developers – back-end developers].

▶ **Hardware:** [Laptops for the developers and proper servers to allow the application to work smoothly].

▶ **Budget:**

▶ The budget allocated to implement this project is 500,000 $(including the hardware and training the developers).

► **Constraints:**

► -This project must be delivered within the specified budget.

► -This project must be delivered on 28/11/2021.

► -Any laptops or computers needed must be bought from dell or apple companies.

► **Assumptions (required event must be occur every fixed period):**

► -All team members continue to the end of the project.

► -Work as one team until we find the target.

► -The right environment will available for this project.

► -Team will get all resources required.

► **High level risks:**

► - The use of modern technology is unknown.

► - Miscalculation of the time needed by the project to be complete.

► - The emergence of a new competitor.

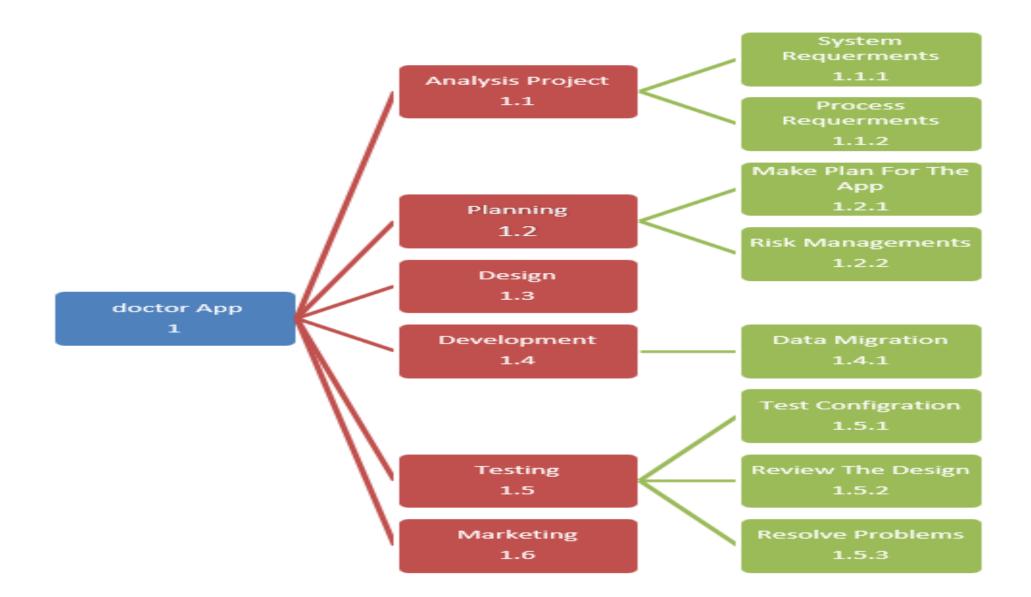► - I don't have enough experience for the team.

▶ - Use of technology that is familiar and easy to use.

▶ -Good planning and calculating the time for each task accurately.

The project scope

▶ **Product scope description:**

▶ _This project is for people with chronic diseases.

▶ _ This project provides the best medical services to patients without going to hospitals and clinics.

▶ _ Provides medical consultations online and saves time and money

▶ **Product acceptance criteria:**

▶ _Easy to use, faster and available to all users.

▶ _Consistent and structured user interface.

▶ **Project deliverables:**

▶ -Application.

▶ -Project plan, reports, documents and resources which return to the company.

▶ **Project exclusion:**

▶ The service is provided to the customer through the application completely free of charge, so that all

▶ classes and groups that cannot read and write can deal with it.

▶ **Project constraints:**

▶ The application is released on the App for free 11/10/2022

▶ The application is used by all electronic devices

▶ **Project assumption:**

▶ -Availability of all required resources.

▶ -The existence of the financier of the project and the availability of budget.

▶ -This application can run on the IOS, Android and Desktops operating systems.

Work break down structure (WBS)

WBS Dictionary

Item	Description
Package ID	1.1.1
Package Name	System Requerments
Description	Collect Materials and Meeting with team work , Manger , Stakeholder and Sponser
Responsible Team Member	Manager and Team Members
Start Date	1 feb 2022
End Date	5 feb 2022
Budget	6000

Item	Description
Package ID	1.1.2
Package Name	Process Requerments
Description	Determine the materials needed for each stage
Responsible Team Member	Developer and Software Engineer
Start Date	6 feb 2022
End Date	8 feb 2022
Budget	4000

Item	Description
Package ID	1.2.1
Package Name	Make plan for the app
Description	Planning the idea of the application and the method of implementation
Responsible Team Member	Manager and Team Members
Start Date	9 feb 2022
End Date	10 feb 2022
Budget	5000

Item	Description
Package ID	1.2.2
Package Name	Risk Managements
Description	Identifying risks and working to solve them
Responsible Team Member	Manager and Team Members
Start Date	11 feb 2022
End Date	12 feb 2022
Budget	7000

Item	Description
Package ID	1.4.1
Package Name	Data Migration
Description	the process of moving data from one location to another
Responsible Team Member	Systems Engineer
Start Date	13 feb 2022
End Date	14 feb 2022
Budget	6500

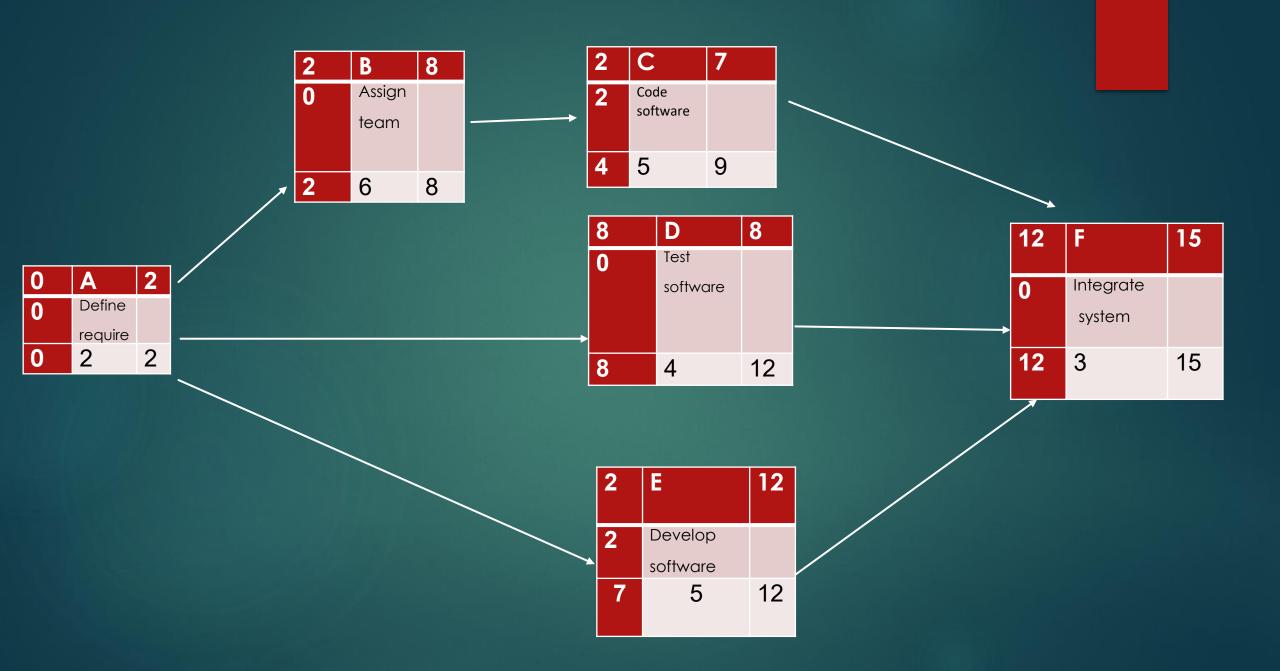| Item	Description
Package ID	1.5.1
Package Name	Test Configration
Description	a combination of configuration variable values
Responsible Team Member	Systems Engineer and Team work
Start Date	14 feb 2022
End Date	15 feb 2022
Budget	3500

Item	Description
Package ID	1.5.2
Package Name	Review The Design
Description	is evaluated against its requirements in order to verify the outcomes of previous activities and identify issues before committing
Responsible Team Member	Manager
Start Date	15 feb 2022
End Date	15 feb 2022
Budget	1500

Item	Description
Package ID	1.5.3
Package Name	Resolve Problems
Description	Identify problems and ways to solve them
Responsible Team Member	Manager and Team work
Start Date	16 feb 2022
End Date	17 feb 2022
Budget	9000

Responsibility Matrix

Tasks	abdallah	maher	Abd elftah	taher	khalil	mohammed
Database design(A)	R		S		R	
Software analysis(B)		S		R		S
Software coding(C)	S		R		R	
Interface(D)		R		S		S
Software test(E)	S		R		R	
Evaluation&&Reports(F)		S		R		S

Resposible (R)
Supportive (S)

Resource constrained

ID	RES	DUR	ES	LF	SL	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
A	3P	2	0	2	0	3	3																			
B	2P	6	2	8	0			2	2	2	2	2	2													
C	1P	5	2	9	2			1	1	1	1	1														
D	1P	4	8	12	0										1	1	1	1								
E	2P	3	7	12	2									X	2	2	2									
F	2P	3	12	15	0														2	2	2					
Total Resource Load						3	3	3	3	3	3	3	2	3	3	3	1	2	2	2						
Resource Available						**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**	**3**						
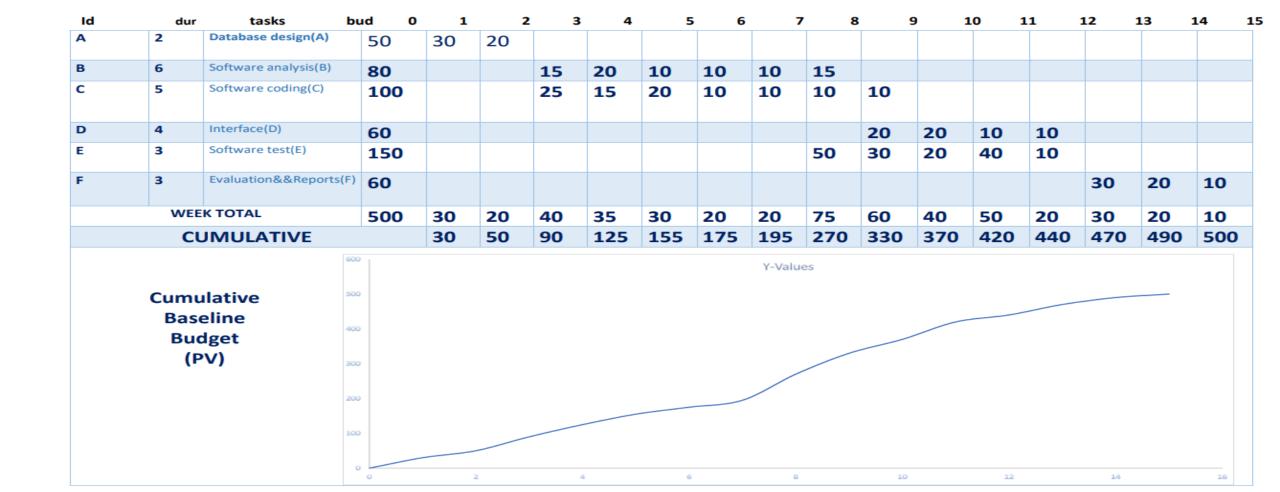
Gant chart

task	start data	end data	Duration
Define requirements	15-ma-21	6-jun-21	2
Assign team	30-ma -21	8- jun-21	6
Code software	15-jun -21	22-jul -21	5
Design application graphic	12-jul- 21	28- jul-21	4
Coding test	20-aug- 21	10-feb -22	5
final testing	11-mar -22	16-mar -22	3
release version	10- oct-22	20- oct-22	3

Task ID	Task description	Task duration	Start date	End date	مايو21	يونيو21	اغسطس21	فبراير22	مارس22	اكتوبر22
A	Define requirements	2	15-ma-21	6-jun-21	■	■				
B	assign team	6	30-ma -21	8- jun-21	■	■				
C	code software	5	15-jun -21	22-jul -21		■				
D	Design application graphic	4	12-jul- 21	28- jul-21		■				
E	Coding test	5	20-aug- 21	10-feb -22			■	■		
F	final testing	3	11-mar -22	16-mar -22					■	
G	release version	3	10- oct-22	20- oct-22						■

Budget baseline

Id	dur	tasks	bud	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	2	Database design(A)	50	30	20														
B	6	Software analysis(B)	80			15	20	10	10	10	15								
C	5	Software coding(C)	100			25	15	20	10	10	10	10							
D	4	Interface(D)	60									20	20	10	10				
E	3	Software test(E)	150								50	30	20	40	10				
F	3	Evaluation&&Reports(F)	60													30	20	10	
		WEEK TOTAL	500	30	20	40	35	30	20	20	75	60	40	50	20	30	20	10	
		CUMULATIVE		30	50	90	125	155	175	195	270	330	370	420	440	470	490	500	

Cumulative Baseline Budget (PV)

Risk management & Monitoring

▶ **Positive risks:-_**

▶ **this application work the IOS and Android and Desktops.**

▶ **_ Application will be for free to all users.**

▶ **_The app works to provide the best services to patients and saves them time and money as well .**

- Negative risks:-

- _interruption of the internet.

- _increase in the cost.

- _the emergence of a rival company with the same technology but with higher quality.

- _The lack of efficiency sufficient the team.

- Monitior:-

- _Make a meeting from time to time to find out which stage the project has reached and appoint experts to supervise the project.