Introduction

The name of project (blood bags)

the problem Sick people, when they are in a place and their blood type is not present, it takes a long time until they meet and here they are slow to get the bags, and in cases of sick people who cannot bear the delay, and this is at lead to death, in addition, that when someone went to a place to buy blood, it was very crowded in Hospitals or the blood bank in addition to asking those who buy blood to donate blood bags in exchange for one bag in addition to paying a sum of money. We saw that these places remain random and the bags are collected in very limited places because there are large numbers of people who need

blood, so They can't deliver it, and when they deliver it Unfortunately, the sick person dies.

So we decided to think about solving the problem through an application. People who need blood will be able to use it, as well as hospitals. We will be able to connect this application between them. Once the injured person needs blood, he is to see the nearest place where this group is located through the application through the type of group, and if his group is not present, he will see what types The factions that can submit to their platoon, and of course this will be clear in the application plus that it will be through the users of the application, and he registers, he will write his platoon, and if this person is close to him, he will be able to communicate with him   By e-mail or by mobile phone. In this project, we will also provide plasma and its types, because it is a very important part and the patient needs it. We will also provide a radical solution to the problem of the lack of blood in hospitals, which is through the system, with signals alerting hospitals to the absence of any of these species, so The hospital begins to provide these types, and we will also save the time and effort of accompanying the patient by having a delivery

service between hospitals to speed and earn as much time as possible In addition to providing points for blood donors who can exchange them through places contracted with the application.

objectives:

1- Providing blood bags in a small time for the patient

2-Not rushing to hospitals to ask for blood bags

3-Knowing the locations of the species through a website

problem:

The lack of blood bags easily and after the places we get, and the patient's inability to bear a large time to obtain these types

solution:

Providing blood bags in a short time for the patient, knowing the hospitals of the existing and missing groups, and providing the missing ones

Tools :

the tools that we use to implement this project are presented in programming languages that are HTML,CSS,JAVASCRIPT for front-end and python for back-end and we use teamgantt tool for create gantt chart and black diagram for creating network diagram and data flow diagram.

overview:

We see that our website helps and overcome many problems that face many people. Through our website we provide all information and all data about people that need blood.

Analysis:

Four phases

1-Initiating the project

Establish the project initiation team

Establish a relationship with the customer

Establish the project initiation plan

Establish management procedures

Establish the project management environment and workbook

Develop the project charter

2-Planning the project

Describe project scope, alternatives and feasibility

1-Scope and Feasibility

Understand the project

What problem is addressed

What results are to be achieved

Measures of success

Completion criteria

2- Divide the project into manageable tasks

- **Work breakdown structure**
- **Gantt chart**

3-Estimate resources and create a resource plan.

4-Develop a preliminary schedule

- **Utilize Gantt Charts and Network Diagrams**

5-Develop a communication plan

- **Outline communication processes among customers, team members and management**
- **Define types of reports and their distribution**
- **Determine frequency of reports**

7-Determine project standards and procedures

- **Specify how deliverables are tested and produced**

8-Identify and assess risk

- **Identify sources of risk**
- **Estimate consequences of risk**

8-Create a preliminary budget

9-Develop a project scope statement

- **Describe what the project will deliver**

10 Set a baseline project plan

- **Estimate of project's tasks and resources**

3-Executing the project

1-Execute baseline project plan

- **Acquire and assign resources**
- **Train new team members**
- **Keep project on schedule**

2-Monitor project progress

- **Adjust resources, budget and/or activities**

3-Manage changes to baseline project plan

- **Slipped (review) completion dates**
- **Bungled (failed) activity that must be redone**
- **Changes in personnel**
- **New activities**

4-Maintain project workbook

5-Communicate project status
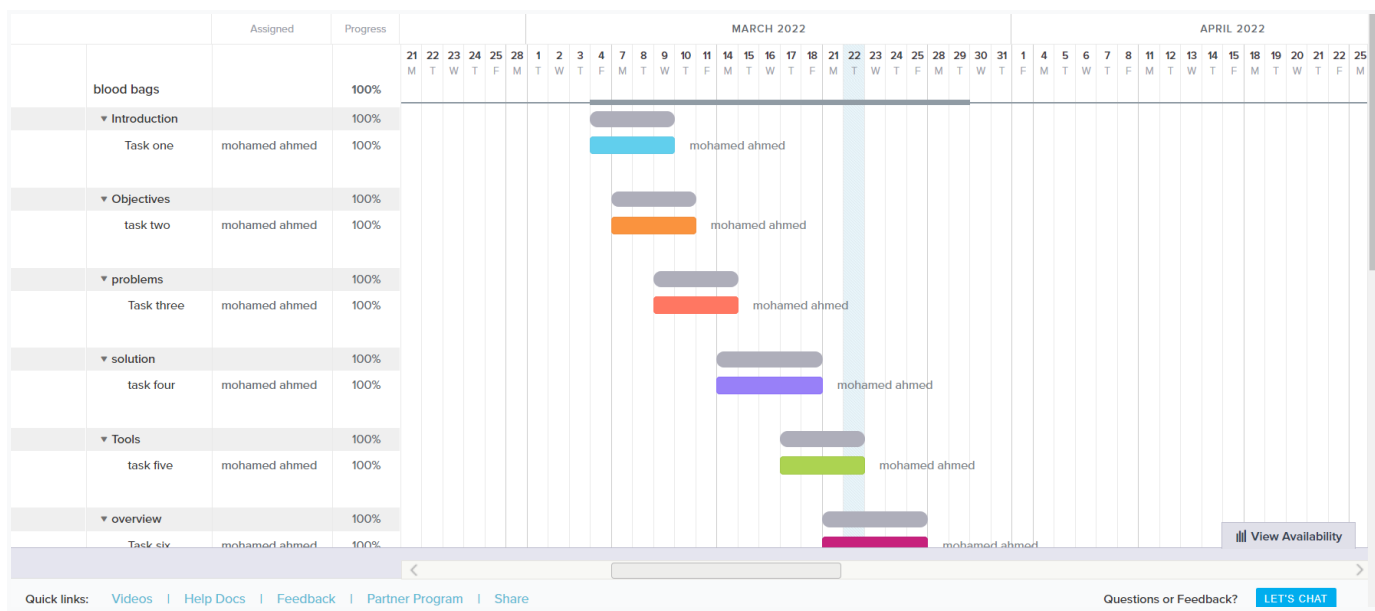
4-Closing down the project

1-Termination

- **Types of termination**

- **Natural**

- **Requirements have been met**

- **Unnatural**

- **Project stopped**

- **Documentation**

- **Personnel Appraisal**

2-Conduct post-project reviews

- **Determine strengths and weaknesses of**

- **Project deliverables**

- **Project management process**
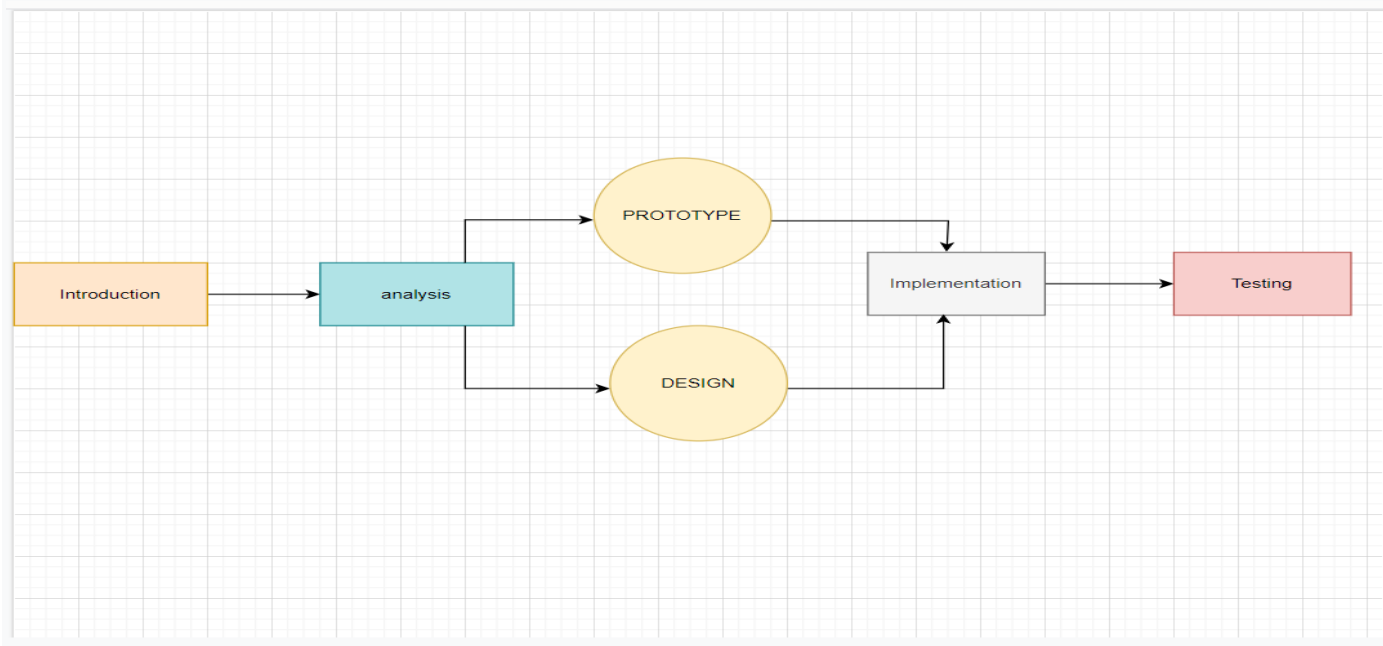
- **Development process**

3-Close customer contract

gantt chart:

	Assigned	Progress	MARCH 2022	APRIL 2022
blood bags		100%		
▼ Introduction		100%		
Task one	mohamed ahmed	100%	mohamed ahmed	
▼ Objectives		100%		
task two	mohamed ahmed	100%	mohamed ahmed	
▼ problems		100%		
Task three	mohamed ahmed	100%	mohamed ahmed	
▼ solution		100%		
task four	mohamed ahmed	100%	mohamed ahmed	
▼ Tools		100%		
task five	mohamed ahmed	100%	mohamed ahmed	
▼ overview		100%		
Task six	mohamed ahmed	100%	mohamed ahmed	

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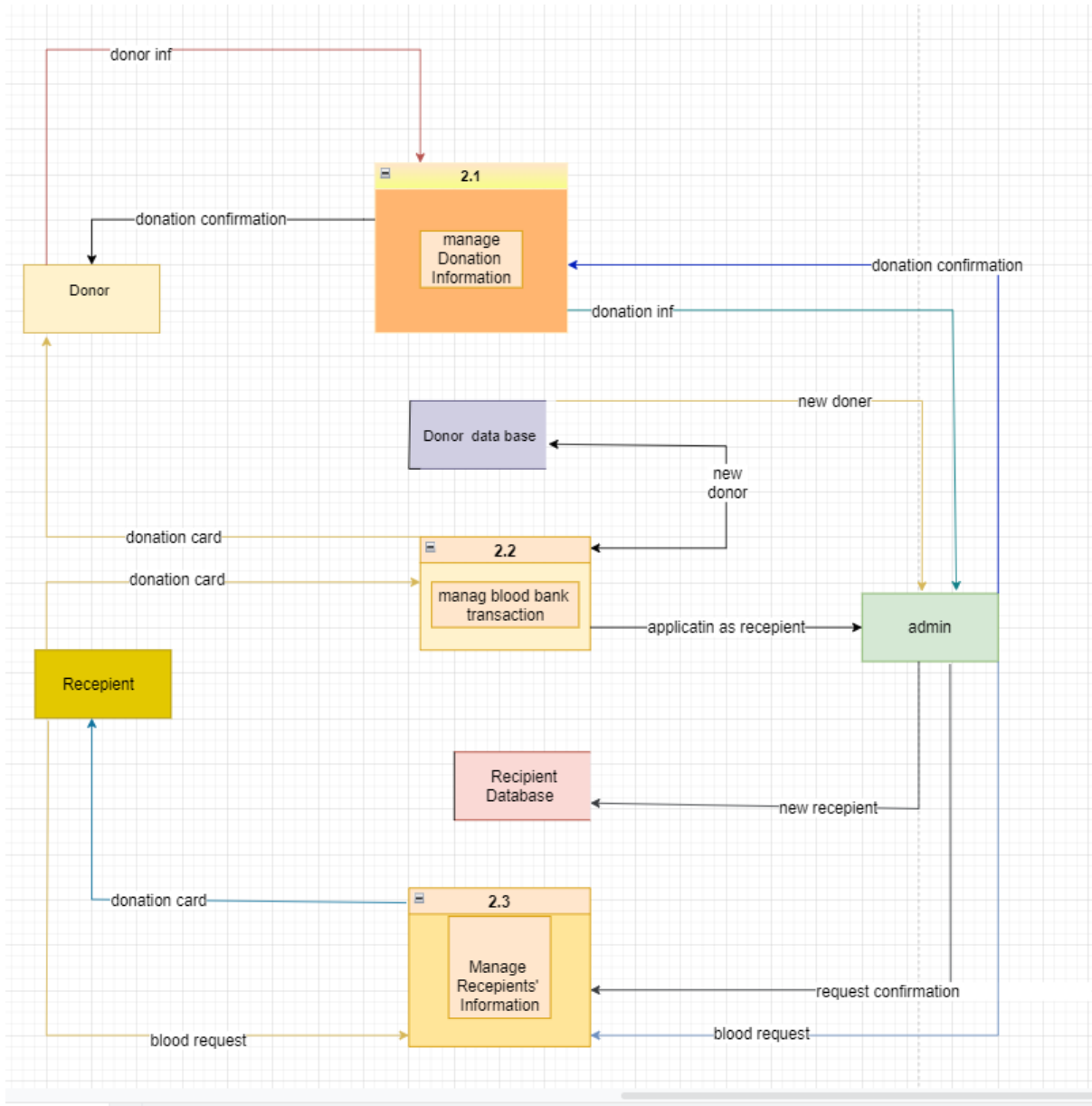
network diagram

A network diagram is a visual representation of a computer or telecommunications network. It shows the components that make up a network and how they interact, including routers, devices, hubs, firewalls, etc.
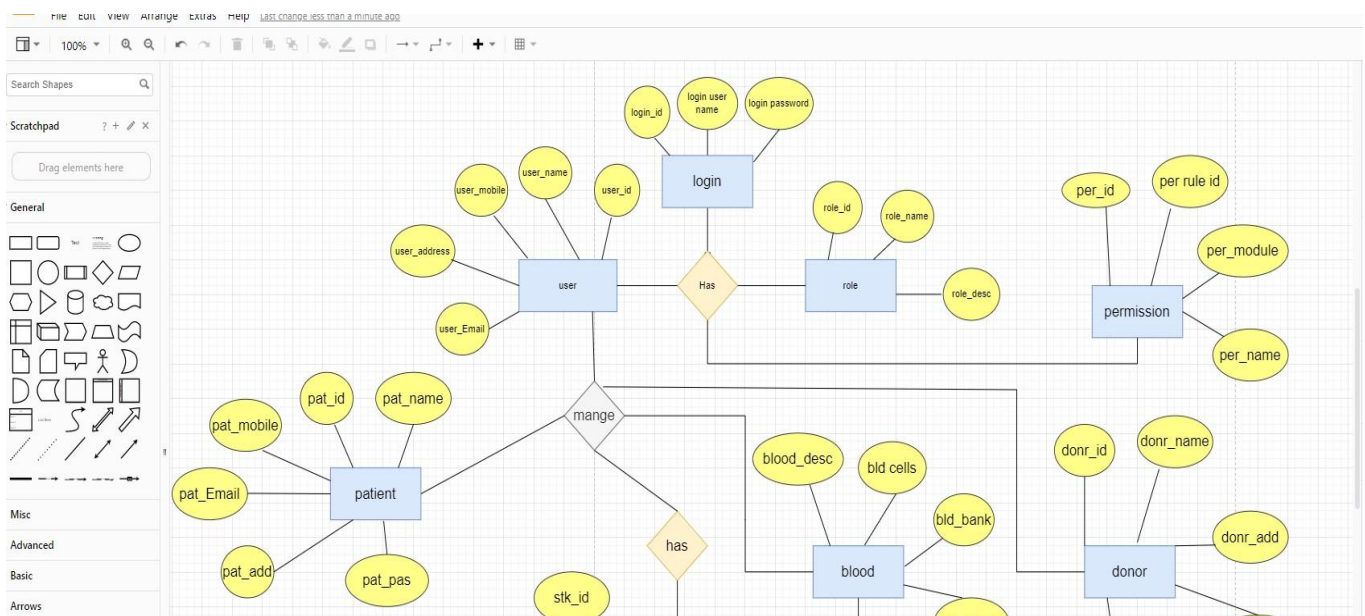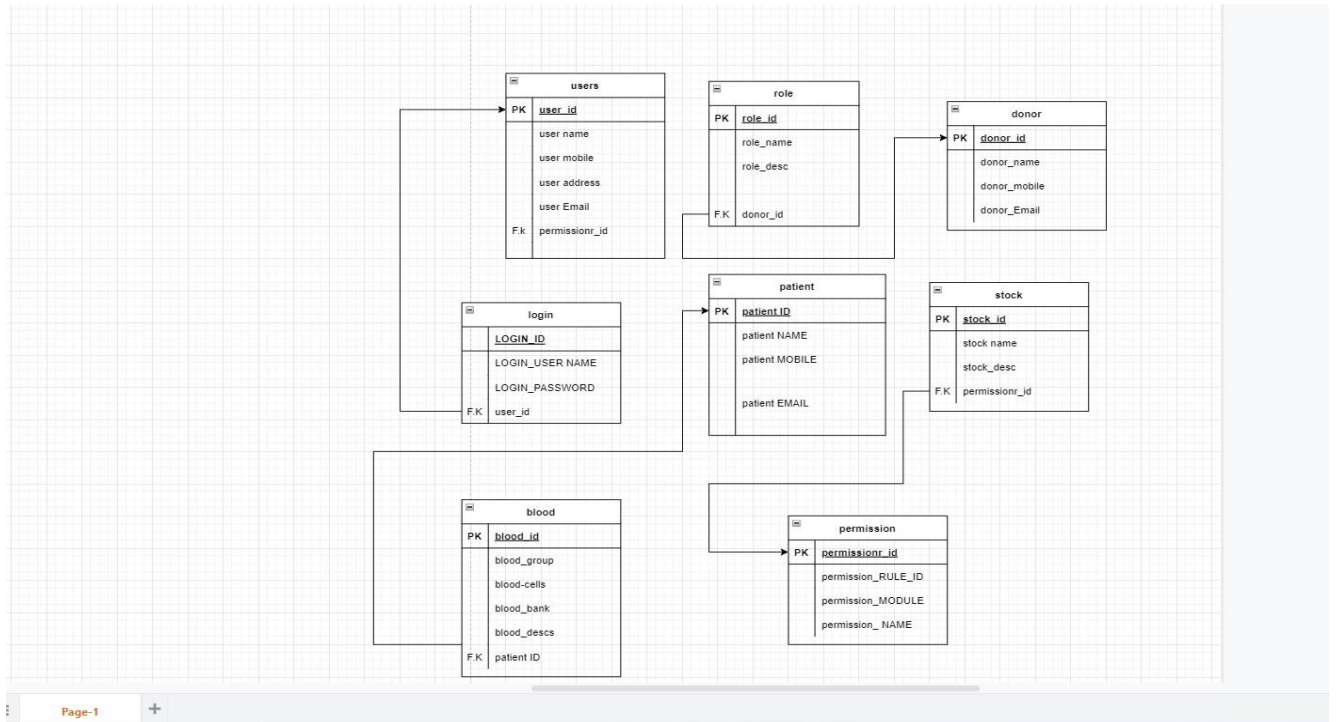

Data flow diagrams

Also known as DFD, Data flow diagrams are used to graphically represent the flow of data in a business information system. DFD describes the processes that are involved in a system to transfer data from the input to the file storage and reports generation.

Entity relationship diagram:

schame:

Required*
Name*

name

Blood Group*

blood type

E-mail Adress

email

Phone*

phone

Adress*

address line 1   address line 2

city

Date of birth*

mm / dd / yyyy

Message

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