1/3/2022

**-Reham Salah Mohammed Mahmoud ( section 6 ). -Reham Mostafa Ahmed Mohamed (section 6 ). -Reham Hassan Ahmed Abd ElHady ( section 6 ). -Rania Mostafa Adb ElGawad Ali. ( Section 6 ). -Sarah Ali Mansi Eid ( section 7 ). -Sohila Ali Mohammed Ali ( Section 7 ).**

faculty of cpomputer and information

Project management

**Hospital website (Patient needs).**

**☺ The project charter ☺**

**\*Project name: Hospital website (Patient needs).**

**\*Project sponsor: Ministry of Health.**

**\*Project Manager: Eng. \Reham.**

**\*Purpose of Project: Helping the patient to get their needs.**

**\*Business case:**

**This website has a great benefit in our life. It provides patient with necessary needs.**

**Technology is used in everywhere so that we should seek to keep up with it.**

**This website will help the patients to find their needs of medical tests such as blood analysis, medical specialties such as pediatric nose and ear, obstetrics gynecology, children and others.**

**This also helps the patient to find the nearest hospital to him that has these specialties and prevents these from overcrowding of people in the hospitals, and this works to speed up the hospital’s performance in a better way.**

**It is very important website because it saves the patient time and effort, and the hospital helps reduce pressure and congestion.**

**The website allows the patient to know the nearest available bed to the location and provide the patient's requirements.**

**As happened in the year 2019, with the beginning of the emergence of the Covid19 virus, and hospitals were filled with many sick citizens.**

**\*Key deliverable project:**

**Reducing the number of patients as much as possible to save the time and effort of the patient and hospital staff. Reducing overcrowding in hospitals and diseases prevalent in overcrowding, and patient psychological comfort.**

**\*General statement about how the team will approach the work:**

**The leader will write the pseudocode, half the team will do the database, and the other half will write the code then make a security to website to protect our work from hacking.**

**\*Basic timeline of when the project milestones will be reached:**

**The project will take time from 3:5 months to be completed.**

**\*Project resources, budget, staff, and vendors:**

**Resources: Laptop, papers and programs**

**Budget: 60,000 $ (includes servers, project licenses, developers,**

**Designers and training.**

**\*Project risks:**

**-the patient is booking and can’t find his bed.**

**-the project budget may be insufficient.**

**-Difficulty to find programming engineers to do the project.**

**- Unavailability of resources.**

**- The patient may be requesting a specific service from the one the site and he goes to the hospital, and he can’t find this service.**

**☺ The project scope ☺**

* **Product scope Description:**

**The registration procedures are done on the site. The patient or one of his companions goes to the site to complete the registration procedures on the site.**

**No patient can benefit from the site without registration, through which a patient file is prepared for the successful registration of the patient.**

**The entry sheet includes all the patient's information, identity, place of residence, profession, social security number, the department to which he is directed, as well as the address and phone number to be contacted if necessary.**

* **Product Acceptance Criteria:**

**This web presents the hospitals that are close to the patient, and determines if there is a need for the patient in the nearest hospital.**

* **Project Deliverables:**

**The web site defines the hospital’s capabilities, the tools and devices available to it, the level of care provided by the hospital, the report related to the patient’s condition, and the plans provided by the hospital to provide the patient’s needs.**

* **Project Exclusions:**

**This website is not free, and the patient must activate an email on this website, as the results of the website do not appear until after logging in to the website with an email and password**

* **Project Constraints:**

**The site faces many challenges and constraints, we have to get the project done on time, use the budget we agreed on:**

**1- The project will take 3:5 months to complete.**

**2- We will spend the budget of sixty thousand dollars.**

* **Project Assumptions:**

**As part of the planning, the resources required for the project must be available, which are laptops, paper and software.**

**☺ WBS Project ☺**

**201.1Getting ready.**

**201.1.1 Gathering information.**

**201.1.2 Dividing tasks.**

**201.1.3 Assign task to team.**

**201.2 Development.**

**201.2.1 Data Base.**

**201.2.1.1 Tables.**

**201.2.1.2Relationships.**

**201.2.1.3 Data entry.**

**201.2.2 Frontend (Design).**

**201.2.2.1 photo shop.**

**201.2.2.2 Coding.**

**201.2.3 Backend.**

**201.2.3.1 Dashboard.**

**201.2.3.2 Website.**

**201.3 Testing.**

**201.3.1Test Data Base.**

**201.3.2 Test Website.**

**201.3.3 Test Dashboard.**

**201.4 Pushing Version 1 into server.**

**201.5 Making Advertisement.**

**☺ WBS Dictionary ☺**

**201.1 Getting Read:**

**201.1.1 Gathering information**

**We define resources, materials, apps and programmes.**

**201.1.2 Dividing tasks**

**We separate the project into small activity will be done by one person or group of people.**

**201.1.3 Assign task to team**

**Developers: creating database.**

**Network engineer: creating network and create security.**

**Designer: create website.**

**Resources:**

**People: engineers and employees.**

**Materials: programs and application.**

**201.2 Development:**

**201.2.1 Data Base**

**Cost: 5000$.**

**Resources: Devices and Applications.**

**201.2.1.1 Tables**

**- The basic of data base.**

**- Set up tables.**

**- Material: Programs and Apps.**

**- Designer: create design (v x/v y)**

**201.2.1.2Relationships**

**- Attract among table.**

**-Tables to create relations.**

**201.2.1.3 Data entry**

**201.2.2 Frontend (Design)**

**Cost: 3000$.**

**Resources: Devices and Applications.**

**201.2.2.1 Photo shop**

**We make user interface of text, colours, buttons**

**And images of hospitals.**

**People: Graphic Designer**

**201.2.2.2 Coding**

**We use three primary language:**

**Html: to building structure of website.**

**Css: it specify the layout of the site from colour design and fonts.**

**Java script: is used more in interactive elements of the page such as drop down menus and contact forms.**

**People: Use programmer Engineer**

**201.2.3 Backend**

**Cost: 2000$.**

**Resources: Devices and Applications.**

**201.2.3.1 Dashboard**

**We use it to store and organize the data and making sure that everything in the front of the site work well.**

**201.2.3.2 Website**

**We use some language to do that such as java, PHP and Python.**

**201.3 Testing**

**201.3.1Test Data Base**

**201.3.2 Test Website**

**Testing the function of website: engineers run the website and search if there are any errors, we shift back to the planning.**

**Resources: the project manage.**

**201.3.3 Test Dashboard.**

**201.4 Pushing Version 1 into server**

**201.5 Making Ads.**

**☺ Responsibility Matrix ☺**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Project manager** | **Taster** | **Designer** | **Developers** | **Network engineering** | **Marketers** |
| **Create database** | **A** |  |  | **R** | **A** |  |
| **Create network** | **C** |  |  | **A** | **R** |  |
| **Create website** | **C** |  |  | **R** | **A** |  |
| **Create design** |  |  | **R** |  | **A** |  |
| **Create security** |  |  |  | **A** |  |  |
| **Test security** |  | **R** |  |  | **C** |  |
| **Test website** |  | **R** |  | **A** |  |  |
| **Marketing** | **S** |  |  |  |  | **R** |

R=Responsible. A=Approval.

C=Consult. S=Support.

**☺ Project network ☺**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **14** | **13** | **12** | **11** | **10** | **9** | **8** | **7** | **6** | **5** | **4** | **3** | **2** | **1** | **0** | **SL** | **LF** | **ES** | **DUR** | **RES** | **ID** |
|  |  |  |  |  |  |  |  |  |  |  |  |  | **2** | **2** | **0** | **2** | **0** | **2** | **2P** | **P** |
|  |  |  |  |  |  |  |  |  | **2** | **2** | **2** | **2** |  |  | **0** | **6** | **2** | **4** | **2P** | **DB** |
|  |  |  |  |  |  |  |  |  | **1** | **1** | **1** | **1** |  |  | **2** | **6** | **2** | **2** | **1P** | **F** |
|  |  |  |  |  |  |  | **2** | **2** |  |  |  |  |  |  | **0** | **8** | **6** | **2** | **2P** | **B** |
|  |  |  |  |  |  | **1** | **1** | **1** |  |  |  |  |  |  | **2** | **9** | **6** | **1** | **1P** | **TDB** |
|  |  |  |  |  |  | **1** |  |  |  |  |  |  |  |  | **0** | **9** | **8** | **1** | **1P** | **TW** |
|  |  |  |  | **2** | **2** |  |  |  |  |  |  |  |  |  | **0** | **11** | **9** | **2** | **2P** | **Push** |
|  |  | **2** | **2** | **x** |  |  |  |  |  |  |  |  |  |  | **0** | **12** | **11** | **1** | **2P** | **ADS** |
|  |  | **2p** | **2p** | **2p** | **2p** | **2p** | **3p** | **3p** | **3p** | **3P** | **3p** | **3p** | **2p** | **2p** | **Total resources** | | | | | |
| **3P** | **3P** | **3P** | **3P** | **3P** | **3P** | **3P** | **3P** | **3P** | **3P** | **3P** | **3P** | **3P** | **3P** | **3P** | **Available resource** | | | | | |

**☺ Resource Constrained Project ☺**

**☺ Time-Phase Budget Baseline ☺**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **DUR** | **Task** | **Budget** | **0** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** |
| **P** | **2** | **Planning** | **10** | **5** | **5** |  |  |  |  |  |  |  |  |  |  |  |
| **DB** | **4** | **Database** | **6** |  |  | **2** | **2** | **1** | **1** |  |  |  |  |  |  |  |
| **F** | **2** | **frontend** | **5** |  |  | **2** | **3** |  |  |  |  |  |  |  |  |  |
| **B** | **2** | **Backend** | **6** |  |  |  |  |  |  | **3** | **3** |  |  |  |  |  |
| **TDB** | **1** | **Testing DB** | **4** |  |  |  |  |  |  | **4** |  |  |  |  |  |  |
| **TW** | **1** | **Testing web** | **4** |  |  |  |  |  |  |  |  | **4** |  |  |  |  |
| **Push** | **2** | **Pushing** | **5** |  |  |  |  |  |  |  |  |  | **2** | **3** |  |  |
| **ADS** | **1** | **advertisement** | **10** |  |  |  |  |  |  |  |  |  |  | **5** | **5** |  |
| **Week Total** | | | **50** | **5** | **5** | **4** | **5** | **1** | **1** | **7** | **3** | **4** | **2** | **8** | **5** |  |
| **Cumulative** | | | | **5** | **10** | **14** | **19** | **20** | **21** | **28** | **31** | **35** | **37** | **45** | **50** |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **P** | **5** | **5** |  |  |
| **DB** | **2** | **2** | **1** | **1** |
| **F** | **2** | **3** |  |  |
| **B** | **3** | **3** |  |  |
| **TDB** | **4** |  |  |  |
| **TW** | **4** |  |  |  |
| **Push** | **2** | **3** |  |  |
| **Ads** | **5** | **5** |  |  |

**☺ Risks ☺**

**Risk1: Clicking on the site leads to the site being unable to meet the needs.**

**Risk2: Error in supplying money to the hospital site.**

**Risk3: Failure to press the buttons on the home screen of the site.**

**Risk4: Issuing an error result when the -user searches for the location of the hospital.**

**Risk5: The site is vulnerable to hacking for example: (Change of site content, Patient data breach).**

**Risk6: If the user enters the email and password more than five times, the site will be closed.**

**Deal with this risks:**

**Solve risk 1: Setting a backup page in case there is pressure on the site page.**

**Solve risk 2: Send a text message to the user if the money has been received or not.**

**Solve risk 3: This problem is solved at backend.**

**Solve risk 4: We make the site linked to the user's GBS, in addition to displaying all the places that have the same name, and the user chooses from them.**

**Solve risk 5: Protect the site from hacking (increase security levels).**

**Solve risk 6: Waiting for the user a full day to be allowed to log in again in addition to the user not trying to enter values ​​during this period.**

**Q1** **Demonstrate How to monitor your project?**

**We will hold a meeting every once in a while to see what happened.**