**University of Management and Technology**

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| Subject | Software engineering. |

**( Software -Engineering assignment )**

* In this assignment we are gonna show that how we created an account on GitHub.

**(First -STEP)**

* The first step is to Create An account on GitHub . At this stage we are gonna enter an-email On which we gonna make the account .
* Set the password and do all the other stuff Like Verifications and Getting all the things done.

**(Step -2 )**

* Create a repository with a name you want to name your repository.
* After that you can add the documents you want to share with your friends and group.

**Create ERD flowchart :**

Entities and Attributes:

* Doctor:

Doctor ID (Primary Key)

Doctor Name

Specialization

* Patient:

Patient ID (Primary Key)

Patient Name

InsuranceCompany ID (Foreign Key)

* Appointment:

Appointment ID (Primary Key)

Doctor ID (Foreign Key)

Patient ID (Foreign Key)

Appointment Date

Appointment Time

* Bill:

Bill ID (Primary Key)

Appointment ID (Foreign Key)

Bill Amount

Bill Status (e.g., Outstanding, Paid)

* Payment:

Payment ID (Primary Key)

Bill ID (Foreign Key)

Patient ID (Foreign Key)

Payment Amount

Payment Date

* Insurance Company:

InsuranceCompany ID (Primary Key)

InsuranceCompany Name

Relationships:

* Doctor-Appointment: One-to-many (One doctor can have many appointments, but one appointment is with only one doctor).
* Patient-Appointment: One-to-many (One patient can have many appointments, but one appointment is with only one patient).
* Appointment-Bill: One-to-one (One appointment generates exactly one bill).
* Bill-Payment: One-to-many (One bill can have many payments).
* Patient-Payment: One-to-many (One patient can make many payments).
* Patient-InsuranceCompany: One-to-one (One patient can have insurance with only one company).
* InsuranceCompany-Payment: One-to-many (One insurance company can make many payments).