**List of Entities:**

|  |  |
| --- | --- |
| Entity | Description |
| Users | Holds the all users’ accounts and common personal information e.g. Google account |
| Doctors | The doctor must be a user, to be a doctor he should specify more information such as his degree and clinic address |
| Pharmacists | The pharmacist must be a user, he can just be a pharmacist working in a pharmacy or a Manager who can manage the pharmacy and the pharmacists working in it |
| Patients | Patients can use the system to keep their medical information such as scans, analysis, prescriptions and chronic diseases |
| Pharmacies | Holds all pharmacies’ information such as name, address and most importantly the stock |
| Items | Items are the objects held by the stock; they represent any item available in the pharmacy from antibiotics to cosmetics |
| Stocks | Holds all the items in the pharmacy and specifying the quantity of each one |
| Scans | Holds the scans of every patient in the database |
| Analysis | Holds the analysis of every patient in the database |
| Prescriptions | Holds the prescriptions of every patient in the database |
| Chronic diseases | Holds the chronic diseases of every patient in the database |

**List of Relationships:**

|  |  |
| --- | --- |
| Relationship | Description |
| IS a | The user can be both patient and doctor or both patient and pharmacist |
| Manages | * The Pharmacist can be a manager to manage the pharmacy and other pharmacists * The pharmacy manages its own stock |
| Works for | The pharmacist works for a pharmacy |
| Has | The patient has scans, analyses, prescriptions and chronic diseases |
| Contain | The stock contains items |

**List of Users:**

|  |  |
| --- | --- |
| User | Functionalities |
| Pharmacist | * Can either by a manager or a normal pharmacist. * The normal pharmacist has a control over the stock and manages the normal purchase operations. * The manager has the same privileges as the normal pharmacist but, manages the normal pharmacists themselves and own the pharmacy. |
| Doctor | * Responsible for examining the patient and update his medical history. |
| Patient | * Can store all his medical information in one place to ease the examination process. |