

ERD JUSTIFICATIONS

ST.JOSEPH'S GENERAL HOSPITAL PROJECT

Planned Features

1. Registration (Zameer)
2. Booking Appointments (Zameer)
3. Records (Andrea)
4. Online Check-in (Rosario)
5. Donation (Manpreet)
6. Career Form (Rosario)
7. Forum (Andrea)
8. News Section (Manpreet)
9. Parking Feature (Yegor)
10. Staff Spotlight (Yegor)

Registering Users

J: Users can register themselves. Users can be a Doctor, Patient, Hospital staff or Admin.
Users can be a Doctor and patient, hospital staff and patient or admin and patient

Booking Appointments

1 Appointment - 1 Patient & 1 Doctor

J: An appointment has two users one patient and a doctor, as the patient registers with a given doctor. Thus, a specific appointment can only have one user type patient and one user type doctor

1 Patient - Many Appointments

J: A patient may choose to book various appointments on different dates and for different reasons. Therefore, one patient can have many appointments

1 Doctor - Many Appointments

J: A doctor sees many patients per day and thus has various appointments. Therefore, one doctor can have many appointments

Records

Many Records - 1 Appointment

J: An appointment can have many types of record (notes, prescriptions, referrals) and therefore more than one record applies to a specific appointment

Online Check-In

1 Check-In - 1 Patient

J: An Online Check-In is for one specific patient

1 Patient - Many Online Check-Ins

J: A patient can have make many online check-ins

1 Check-In - 1 Booking

J: One online check-in is for one specific booking appointment.

Donation

1 User-many donations

J: One user can make donations as he/she wishes. But, in our system we have linked one donation to one user only. So, it is one user to many donations relationship. Like, a patient can make a donation. In the future after 5 or 6 months, he/she can come back and can make a new donation with any amount he/she wishes.

1 Donation-1 user

One donation can be related to one user only i.e. one donation can't be collectively made by two or more users.

Careers Form

1 Form - 1 Posting

J: A form can only be filled for one job posting

1 Posting - Many Forms

J: A job posting can receive many forms

1 Posting - Many Depts

J: A customer service job posting can be included in customer service and sales department types.

1 Posting - Many Types

J: A sales job posting can be full time or part-time

Forum

1 ForumPosting - 1 Patient

J: A post is made by one specific patient, therefore the specific posting can only be linked to one patient

1 Patient - Many Forum Postings

J: A patient can make as many posts as they wish, so the patient can be linked to various posts

1 Reply - 1 User (Either patient or doctor)

J: A reply can be made by either a doctor or a patient but it can only be linked to one username. Therefore, a reply can only be linked to one user

1 User (Either patient or doctor)- Many Replies

J: A user either a doctor or a patient can reply as many times as they wish until a problem is solved in the forum. Therefore, one user can have many replies

1 Posting - Many Replies

J: A posting can be answered by various users until it's deemed solved. Therefore a posting can have many replies

News section

1 Category-many news

J: One news can relate to only category. But, one category can have many news related to it. So, it is a one category to many news relationship. Like, a news can only relate to one category. But, one news category can have many news associated with it.

1 News- 1 Category

One news can be related to one news category only. One news can't belong to two or more categories.

Parking Feature

Staff Spotlight