**Modules and functionalities**

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| **Module** | **Functionalities** |
| Admin | Signup, Login,  add/update/delete/view all departments, register/view/approve/reject/update/delete doctors, admit/view/approve/reject/update/delete/discharge patients,  generate/download invoice pdf, view/book/approve appointments, |
| Doctor | Apply For Job, login,  view their patient details,  view their discharged patient list,  view/delete/update their appointments. |
| Patient | Create account(register), login,  view assigned doctor’s details,  view their booked appointment status (pending or approved),  book appointments,  view/download invoice pdf. |

**Domain Objects**

1. User:- (users)
   1. Name(String)
   2. Mobile(String)
   3. Dp(String)
   4. Address(String)
   5. Department(foreign key, maps to departments table)------>(ONLY for doctors)
   6. Role(String) = “admin/doctor/patient”-----> By using this we can differentiate between admin, doctors, and patients.
   7. Status(String)---->(pending/approved/resigned)
   8. Password(String)
   9. Fees(Long)----> Fees per day(ONLY for doctors)
2. Appointment:- (appointments)
   1. Patient(foreign key, maps to patient table)
   2. Status(String)
   3. isAdmitted(Boolean)-----> To detect if the patient is admitted or not
   4. Doctor(foreign key, maps to doctor table)
   5. List<String> diseasesAndSymptoms
   6. daysSpent(Integer)---->if the patient is admitted
   7. roomCharge(Long)---->if the patient is admitted
   8. doctorFee(Long)
   9. medicineCost(Long)
   10. otherCharges(Long)
3. Department:- (departments)
   1. Name(String)