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# HEALTHHUB - A HEALTHCARE MANAGEMENT SYSTEM

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## SWE 4402 Software Requirement and Specification

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## Healthhub - A Healthcare Management System

Based on the background of the development that focuses on the crucial aspects of the Healthhub Application, these are the applications of each relation type:

### 0.1 Applications of the relation types in our diagram :

1. **Track Medical Records:** Users can easily track their medical records using this health care management system.
2. **Schedule appointment:** Doctors can schedule appointments based on their availability.
3. **Managing Staffs:** Healthcare administrators can manage the staffs, add or remove them, or instruct them.
4. **Optimizing patient services :** Healthcare administrators can optimize patient services.
5. **Retrieve Billing Information :** Insurance providers will be required to see the patient's billing information when required.
6. **Manage Claims:** Insurance providers will be involved in managing patients' insurance claims.
7. **Access Medical Services:** Patients can access medical services as per their requirements.
  - **Accessing fitness tracker info:** Patients may want to access their fitness tracker information.
8. **Book Appointment:** Patients should be able to book appointments to receive healthcare services.
  - **Make payment:** Booking an appointment involves making payment as a must.
  - **Cancel booking/ Rescheduling :** Patients can choose to cancel their booking or optionally reschedule it.
9. **Check health information:** Patients can choose to view the information about their health.
  - **Accessing health-related information :** Patients will access information that is related to their health info and some beneficial advice.
10. **Provide telecommunication Services:**

- **Consult online:** Doctors who provide telecommunication services can choose to consult online.
- **Access Patient records:** Doctors will be required to see the patient's previous health records while providing telemedicine services.
- **Provide prescription:** Providing telecommunication services involves providing a prescription to the patient.