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| **Class Name**: Patient | |
| **Subclass:** | |
| **Superclass:** | |
| **Description:**  The Patient class represents individuals utilizing the medical assistant website to manage their healthcare information and interactions with healthcare professionals. Patients can access their medical records, schedule appointments, order prescriptions, and communicate with healthcare professionals through the website**.** | |
| **Responsibilities:** | **Collaborators:** |
| Provide patient information | Management, Hospital\_IT |
| Maintain a medical history and current health status. | Management, Hospital\_IT |
| Schedule, reschedule, or cancel appointments using the website. | Management, Hospital\_IT |
| Request prescription refills and view medication records. | Management |
| Access and update personal information | Hospital\_IT |
| Communicate with healthcare professionals. | Management |
| Buying medicines online | pharmacy, Hospital\_IT, Management |
| Getting emergency support | Hospital\_IT, Management |

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| **Class Name**: Hospital\_IT | |
| **Subclass:** | |
| **Superclass:** | |
| **Description:**  Hospital IT class manage IT infrastructure and ensure data management, security, providing user support and prompt emergency responses for uninterrupted healthcare operations. They organize and store data efficiently, maintaining and updating software to optimize performance and comply with standards. | |
| **Responsibilities:** | **Collaborators:** |
| **Manage IT Systems** | Management |
| **Ensure Data Security** |  |
| **Provide User Support** | Management, Patient |
| **information storing** | Management, Patient |
| **Maintain Software** |  |
| **Emergency Response** | Management |

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| **Class Name**: Management | |
| **Subclass:** Pharmacy, Appointment\_Scheduler, Patient\_Data, Doctor\_List | |
| **Superclass:** | |
| **Description:**  The Management class holds all the necessary management attributes to provide oriented assistance for other classes. The functionalities for managing appointment system, online pharmacy system, emergency transportation all will be defined in this class. | |
| **Responsibilities:** | **Collaborators:** |
| Manages patient appointment scheduling | Patient, Hospital\_IT, Patient\_Data, Appointment\_Scheduler, Doctor\_List |
| Manages online pharmacy system | Patient, Hospital\_IT, Pharmacy. |
| Manages emergency transportation | Patient, Hospital\_IT |