

Ø=ÜØ Hospital Management System (HMS)

Core Module Documentation

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1. Admin Module
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1. Admin Module

- The Admin Module is the central management hub of the HMS.
- It creates and manages users such as doctors, patients, and reception staff.
- Admins define access levels: doctors handle treatment, patients manage their profile, and receptionists handle appointments.
- The module tracks activity across the patient, doctor, and appointment modules, ensuring smooth coordination.
- Admins generate reports that summarize appointment statistics, doctor workload, and patient activity.

2. Patient Module

- The Patient Module stores essential patient data, including demographics, medical history, and login credentials.
- Patients interact mainly with the Appointment Module to schedule visits with doctors.
- They can review their appointment history, doctor consultations, and system notifications.
- This module connects directly with the Doctor Module so physicians can access patient records during consultations.
- Admins can also monitor patient activity through this module, ensuring data accuracy and compliance.

3. Doctor Module

- The Doctor Module enables physicians to access and manage their patients' profiles and appointments.
- Doctors view their schedule, which is managed through the Appointment Module.
- They consult with patients, update records, and record outcomes of appointments.
- This module directly depends on patient information from the Patient Module and scheduling details from the Appointment Module.
- Admins oversee doctor accounts, workloads, and ensure that doctors follow hospital policies.

4. Appointment Module

- The Appointment Module is the bridge between patients and doctors.
- Patients use it to request or book appointments with doctors.
- Doctors access their schedules through this module to view and manage patient visits.
- Admins monitor appointment trends, cancellations, and ensure proper allocation of doctors' time.
- This module ensures smooth coordination among Admin, Patient, and Doctor modules, reducing waiting times and conflicts.