

HOSPITAL ADMINISTRATION

Project Overview:

Develop a Hospital Administration System encompassing modules for Reception, Doctor, and Pharmacy. The Reception module must facilitate new patient registration, patient search by ID, and viewing of patient consultation history. The Doctor module includes features to view appointments, add prescriptions, and access patient consultation history. The Pharmacy module is designed to view prescription details.

General Requirements:

- The system must be mobile-responsive, providing an optimal user experience on various devices.
- The system should have modules like Reception, Doctor, and Pharmacy.

Registration Requirements:

- Live form validation must be implemented for sensitive fields, ensuring accurate data entry.
- Passwords must meet minimum security requirements (e.g., minimum length, special characters, numbers).
- Email addresses must be unique, and the system should display an error if the email is already registered.
- After successful registration, the user must receive a confirmation email with the randomly generated **6-digit number** as a password and can later reset the password as needed.

Login:

- The login page must have live form validation to enhance input accuracy and user experience and an option to reset their password securely through a designated function.

Reception Module:

- The new patient registration form must have the fields like Name, Address, Mobile Number, and Email.
- Upon completion of the patient registration, must navigate to the Appointment Form and also send an email to the patient with a unique Patient ID.
- Option to book an appointment with Patient ID by selecting Department and Doctor. Which must generate an auto Token number for the appointment.
- Option to search patients by ID and view consulting history.
- Add and manage departments

Doctor Module:

- Receive patient appointment details with a Token number.
- Additional option to Search patient by ID for consultation.
- Add prescriptions with medicine name and consumption time (automatically populate using name auto-fill).
- Submit prescription to Pharmacy Module.
- The option to reassign patients to another doctor if the patient has an illness or health issues beyond the current doctor's expertise.
- View patient consultation history with prescription details.

Pharmacy Module:

- View recently submitted prescriptions from doctors with consumption time, patient details, doctor name, and department name.
- Search prescription details of the patient by id
- View all prescription histories of the patients