



Hospital Management System

Project information



Invoice number: INV000018

Client name: Covenant Clinic, Mile 2 Nkwen - Bamenda

Project Type : Electronic Medical Record

Project Category : Web Application

Date: @December 30, 2023

Done by:

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Bamenda, Cameroon

Project requirements and features

Background

Web applications for hospital systems can greatly improve the efficiency and quality of patient care. From electronic medical records to appointment scheduling, these applications provide a seamless and streamlined experience for both medical professionals and patients. With the right design and features, a hospital web application can transform the way healthcare is delivered.

Keywords: hospital, web applications, electronic medical records, appointment scheduling, patient care, medical professionals, patients, design, features, healthcare, efficiency, quality.

Website Features

The core modules for an Electronic Medical Record (EMR) system include:

- Patient Management:** This module allows healthcare providers to keep track of patient demographics, medical history, medications, disability information, and allergies.
- Appointment Scheduling:** This module allows healthcare providers to schedule appointments with patients, view their availability, and send appointment reminders.

- Clinical Documentation:** This module allows healthcare providers to document patient encounters and clinical notes electronically. This is usually from doctors and thus must be kept even when there is a future encounter with the patient for proper treatment and follow-up.
- Prescription Management:** This module allows healthcare providers to create and send electronic prescriptions to pharmacies.
- Billing and Claims:** This module allows healthcare providers to create and finances in the hospital.
- Reporting and Analytics:** This module allows healthcare providers to generate reports and analyze data to improve patient outcomes and operational efficiency.
- Asset management:** This module records all physical assets and ensure that proper check and tracking of them over time.

In addition to the features listed earlier, an EMR with a lab management module may include:

- Specimen tracking:** This includes tracking the movement of specimens from the point of collection to the laboratory and back.
- Test catalog:** This includes a catalog of all the laboratory tests that can be performed.
- Test orders:** This includes the ability to order laboratory tests, either manually or through the EMR system's automated order entry capability.
- Test results:** This includes the display of laboratory test results in a structured format, including reference ranges and any notes or comments from the laboratory staff.
- Reporting:** This includes the ability to generate reports, such as test result summaries, individual patient reports, and statistical analyses.

Project deliverables and estimates

Aa Module	# Estimated Cost	# Estimated duration (in days)	≡ Duration description
<u>Patient Management</u>		21	3 weeks
<u>Appointment Scheduling</u>		14	2 weeks
<u>Clinical Documentation</u>		14	2 weeks
<u>Prescription Management</u>		14	2 weeks
Aa Module		# Estimated duration (in days)	≡ Duration description
<u>Reporting and Analytics</u>		14	2 weeks
<u>Lab Management</u>		14	2 weeks
<u>Pharmacy management</u>		14	2 weeks
<u>Asset management</u>		7	1 week
<u>Domain name, Hosting fee, email servers</u>		7	
<u>Training of the staff</u>	0	3	Free training session for staff after deployment

From the above description, we have the following approximate project timeline and cost.

📅 Total approximate time: 3 months 3 weeks to

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