

ONLINE HOSPITAL

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OVERVIEW

Online Hospital is a web-only platform that delivers hospital-grade healthcare services at the patient's home and through partnered medical centers. The system coordinates patients, medical staff, administrators, and partner facilities from a single digital hub.

SERVICE FEATURES

HEALTHCARE SERVICES

- Home Nursing — long-term care, daily visits, or single procedures.
- Mobile Radiology — X-ray, ultrasound, etc., performed at the patient's home.
- Mobile Laboratory — sample collection at home; processing in mobile lab or partner labs.
- Partner Center Services — advanced radiology & lab tests; surgical operations.
- Surgery & Operation Booking — reservations at partner hospitals, pre-op counseling, post-op follow-up.

USER ROLES & PERMISSIONS

- Guest — browse services, contact support.
- Patient — booking, payments, view results, chat.
- Worker — view & accept assigned jobs, update status, upload reports.
- Admin — full CRUD, assign jobs, move workers between departments, manage content.
- SuperAdmin — platform configuration, audit logs.

FUNCTIONAL REQUIREMENTS

CORE FUNCTIONAL REQUIREMENTS

- Multi-channel Booking (web, phone support).
- Smart Staff Assignment with availability & specialization matching.
- End-to-End Order Lifecycle tracking (Requested → Assigned → In-Progress → Completed → Billed).
- Medical Record Upload & Storage (radiology images, lab PDFs).
- Real-time Notifications & Chat (SignalR/WebSocket).
- Partner Center Integration (API or secure portal).
- Secure Online Payments & Invoicing.
- Role-based Access Control & Audit Logging.
- Multi-language & RTL UI (Arabic & English).
- Responsive Web Design (desktop, tablet, browser on mobile).



PROJECT TECHNOLOGIES

CORE FUNCTIONAL REQUIREMENTS

Front-End: Angular + Bootstrap.

Back-End: ASP.NET Core 8.0, Restful APIs

Database: SQL Server 2022.

Real-Time: SignalR.

CI/CD: GitHub Actions.



THANKS