

# SeaCoreApp

## Module Overview

Application Modules — Functional Descriptions

### Operations & Safety

<b>Welcome</b>	Central hub displaying ship announcements, vessel status, and daily briefings. Entry point for crew induction and onboarding materials.
<b>Ship Assistant</b>	AI-powered assistant for the Safety Management System (SMS). Crew can query safety procedures, regulations, and compliance requirements using natural language.
<b>Safety (SOC)</b>	Digital Safety Observation Card system. Crew and passengers can report safety observations — both positive practices and hazards — with category tagging, photo evidence, and automatic notifications to officers.
<b>Vessel Issue</b>	Defect and non-conformity reporting tool. Users submit vessel defects with descriptions, photos, severity levels, and location. Issues are tracked from report to resolution with full audit trail.
<b>Crew Log</b>	Document scanner and digital records manager. Crew can photograph, OCR-extract, and store certificates, licenses, and ship documents with structured data fields.

### Communication & Wellness

<b>Crew Chat</b>	Real-time team messaging with vessel-scoped channels. Supports text, voice messages (with transcription), photo sharing, and read receipts. Unread message badges visible on dashboard.
<b>Mental Fitness</b>	Wellness and watch companion module. Includes mood tracker, sleep logger, gratitude journal, breathing exercises, and emergency calm tools. Designed to support seafarer mental health during long voyages.

### Departmental Management

<b>Ship Maintenance</b>	Planned maintenance and task management for Deck, Engine, and Catering departments. Officers create and assign recurring or one-off maintenance tasks with status tracking.
<b>Ship's Galley</b>	Onboard restaurant and menu management. Galley crew publish daily menus; crew and passengers can view offerings and submit ratings. Includes chef rating system.
<b>Hotel Department</b>	Hotel and housekeeping observation system. Users submit observations about cabin cleanliness, public areas, and service quality with ratings and photo evidence.

## Administration & Intelligence

<b>Reports</b>	Analytics dashboard for administrators. Provides data exports, observation statistics, maintenance summaries, and crew activity reports in Excel format.
<b>My Vessels</b>	Fleet and vessel management for company-level users. Manage IMO numbers, assign vessels, and configure module availability per ship.
<b>Marine News</b>	Curated maritime industry news feed. Displays latest shipping news, regulatory updates, and industry developments sourced from major maritime publications.
<b>My Profile</b>	Personal account management. Includes profile editing, notification preferences, GDPR data export, account deletion, and legal document access (Privacy Policy, Terms of Service).