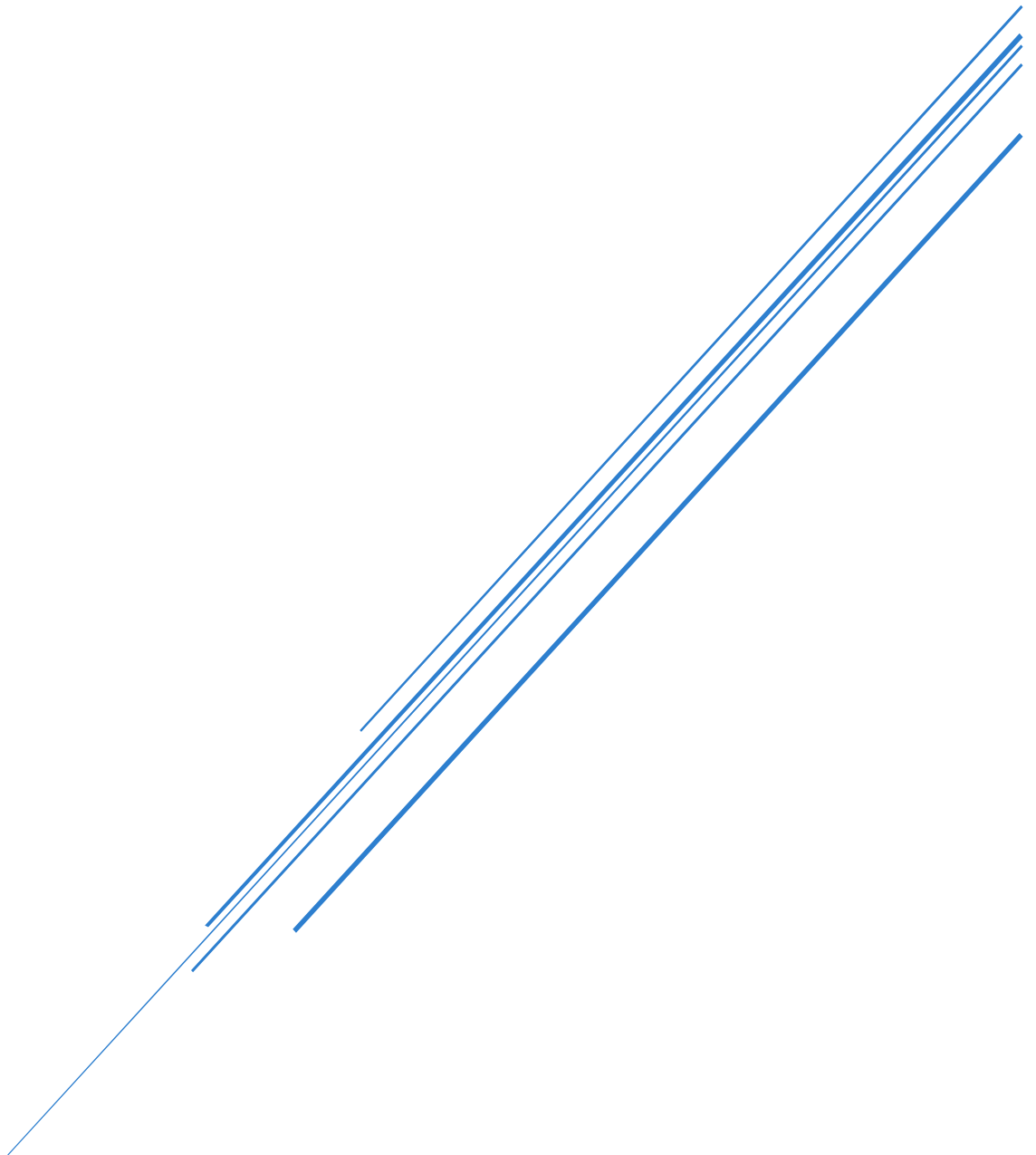


REQUIREMENTS REVIEW DOCUMENT: HEALTHCARE STAFF SECURE

Team: CyberTransformers



ITWeb Security Summit 2025

1. Introduction

This document provides a structured review of the software requirements for the *Healthcare Staff Secure (HSS)* system. The review was conducted as part of the static testing phase to ensure that the specified requirements are complete, clear, and aligned with the project's objectives. The goal is to identify any issues or ambiguities early and propose necessary clarifications or corrections before development proceeds.

2. Scope of Requirements

The requirements reviewed cover the complete functionality of the HSS system, including:

- **Functional Requirements:** Registration, authentication, access control, alerts, scheduling, compliance monitoring, staff directory, reports, and user settings.
- **Non-functional Requirements:** Security, performance, scalability, usability, compatibility, and reliability.
- **Data Requirements, External Compliance, and Reporting Needs.**

3. List of Requirements

- **Functional Requirements**
 - User registration with role and department fields.
 - Unique email and phone validation.
 - Login via email/phone and password.
 - Role- and department-based access control.
 - Admin-level access to manage users and generate reports.
 - Real-time alerts (security, compliance, shift-related).
 - AI-generated tips and threat warnings (used internally).
 - Shift schedule viewing and admin management.
 - Compliance tracking (training, policies, legal).
 - Staff directory with filter/search by role/department.
 - Report generation in PDF/CSV (login, alerts, shifts, compliance).
 - User profile management and password reset.
- **Non-functional Requirements**
 - **Security:** End-to-end encryption, intrusion detection, access logging.
 - **Performance:** Avg. response time under 2 seconds.
 - **Scalability:** Support for thousands of concurrent users.
 - **Reliability:** 99.9% uptime.
 - **Usability:** Interface tailored for non-technical healthcare users.
 - **Compatibility:** Support for all modern browsers and mobile devices.

4. Issues and Ambiguities Defined

No.	Issue / Ambiguity	Description
1	AI chatbot usage	Not initially clear that the AI chatbot is backend-only (not user-facing).
2	User validation logic	Validation flow (especially for phone numbers) is not fully defined.

3	Scheduling system	Integration with external hospital scheduling systems is assumed, but not elaborated.
4	Reporting frequency	It's unclear if reports are real-time, periodic, or on-demand only.
5	Technology Stack	Technology stack is marked as "To be updated", which affects early planning.
6	Alert granularity	Types and triggers for AI alerts are not explicitly defined.
7	Password policy	No details on complexity rules or password expiration.

5. Recommendations

No.	Recommendation	Action Required
1	Clarify AI role	Explicitly state in the SRS that the AI is for internal alerts, not user-facing.
2	Expand validation rules	Add detailed logic for phone/email validation and error handling.
3	Define external integration points	Outline the APIs and protocols to be used with hospital systems.
4	Clarify report scheduling	Indicate whether reports will be scheduled, real-time, or manually triggered.
5	Finalize tech stack	Define the backend/frontend frameworks and hosting solutions.
6	Detail alert types	List the categories and examples of alerts generated by the AI system.
7	Add password policy	Define minimum password requirements and optional expiry/reset logic.

6. Approval & Sign-off

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