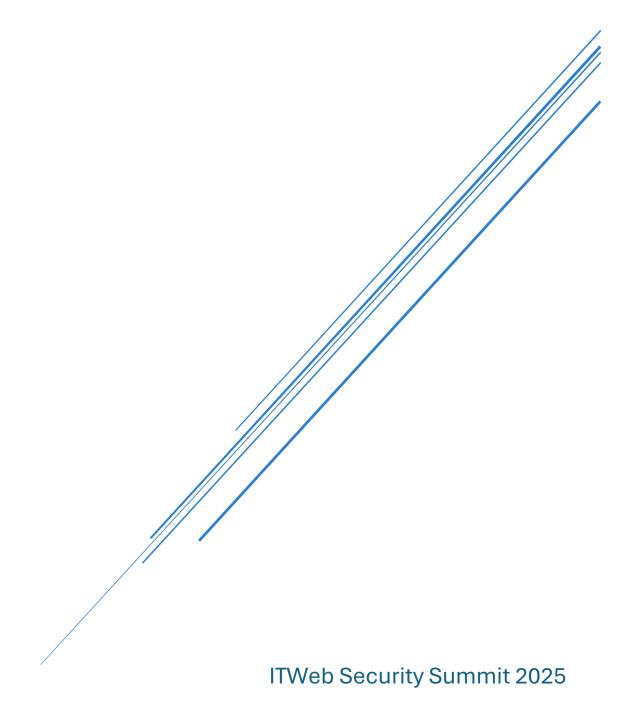
TEST CASES: HEALTHCARE STAFF SECURE

Team: CyberTransformers



1. Introduction

This document outlines the functional and non-functional test cases for the **Healthcare Staff Secure (HSS)** system. It is designed to validate that the system meets its specified requirements, including user registration, authentication, profile management, access control, reporting, and compliance tracking. Each test case includes clear steps, expected outcomes, and space for actual results to be recorded during execution. The purpose is to ensure the reliability, security, usability, and overall performance of the HSS platform across supported devices and user roles.

2. Functional Test Cases

Test Case	Test Description	Test Steps	Expected Result	Actual Result
ID			nesutt	
TC1	User Registration	1. Go to registration	Account created	Account created
		page	and	and
		2. Fill in valid details	confirmation	confirmation
TCO	Logio with	3. Submit the form	shown	shown
TC2	Login with	1. Go to login page 2. Enter valid	Dashboard loads	Dashboard loads
	Email/Phone	email/phone and	successfully	successfully
		password	Successibility	Successibility
		3. Click "Login"		
TC3	Update Profile	1. Login	Profile updated	Profile updated
		2. Go to "Profile"	and	and
		3. Edit fields	confirmation	confirmation
		4. Click "Save"	shown	shown
TC4	View Staff Directory	1. Login	Results update	Results update
		2. Go to "Staff	in real time	in real time
		Directory"		
		3. Use search and		
TOF	Canavata Danavt	filters	Dayunlaadatarta	Ctill atmosfiles
TC5	Generate Report	Login as admin Go to "Reports"	Download starts with correct data	Still struggling with generating
		3. Select type and	With Correct data	reports
		format		Торогіз
		4. Click "Generate"		
TC6	Verify the Al	1. Simulate a	1. Al generates	1. Al generates
	component generates	security threat	appropriate	appropriate
	real-time alerts based	scenario or	alerts promptly.	alerts promptly.
	on threat analysis and	compliance breach.	2. Alerts provide	2. Alerts provide
	compliance status.	2. Monitor the	clear	clear
		system for AI-	information	information
		generated alert.	about the issue.	about the issue.
		3. Verify that alert	3. Alerts appear	3. Alerts appear
		appears in real-time	only to relevant	only to relevant
		on affected users' dashboards.	users.	users.
		4. Confirm alert	4. Alert logs are accurate for	4. Alert logs are accurate for
		content is relevant	auditing.	auditing.
		and actionable.	additing.	additing.
<u></u>		and dollonable.	l	

5. Check alert is
logged with
timestamp and user
details.
6. Verify alert
disappears once
issue is resolved or
acknowledged.

3. Non-Functional Test Cases

Test	Test Description	Test Steps	Expected Result	Actual Result
Case				
ID				
NTC1	Response Time	1. Login	Each page loads	Each page loads
		2. Navigate	within 2 seconds	within 2 seconds
		through pages		
NTC2	Security	1. Call a mentor	Strong resistance	Strong resistance
		to try bypass our	against penetration.	against penetration.
		software.		
NTC3	Mobile	1. Open system	UI adjusts correctly	UI adjusts correctly
	Responsiveness	on mobile	to screen size	to screen size
		browser		
NTC4	Browser	1. Open system	System works	System works
	Compatibility	in Chrome,	consistently across	consistently across
		Firefox, Edge	browsers	browsers

4. Encountered Problems and Their Solutions

Initially, we faced security vulnerabilities when the mentor was able to bypass the system through the login page. After identifying the issue, the developer promptly fixed the loophole, preventing any further unauthorized access attempts. Integrating the AI component proved to be complex and required significant development effort, but through persistence and collaboration, we successfully incorporated it into our system.

5. Conclusion

The test cases presented in this document provide a structured approach to verifying both functional and non-functional requirements of the Healthcare Staff Secure (HSS) system. By executing these tests, we aim to ensure the system performs as intended, supports secure and efficient workflows, and complies with industry standards such as POPIA and HIPAA. Successful completion of these tests will confirm the system's readiness for deployment and its ability to serve healthcare institutions with reliability, security, and usability.