Requirements Traceability Matrix (RTM)

Requirement	Requirement	Priority	Stakeholder	Project	Related data file	Status
Id	description	(MoSCo	(s)	objective		
		W)				
FR-01	The system allow	Must have	Patient,	Enhance	Appointment_data.csv	Approved
	patients to select and		Doctor,	appointment	Feedback_data.csv	
	book appointment		Administrator	experience and		
	times in real time based		staff	reduce patient		
	on doctors' availability.			wait times		
				through real-		
				time		
				scheduling.		
FR-02	The system send	Must have	Patient,	Improve	Feedback_data.csv	Approved
	automated notifications		doctor	communication	Appointment_data.csv	
	to patients and doctors			and reduce		
	for appointment			missed or		
	confirmations,			delayed		
	cancellations, and			appointments		
	updates.			by		
				implementing		
				automated		
				notifications.		
FR-03	The system prevent	Must have	Administrator	Ensure	Appointment_data.csv	Approved
	duplicate bookings for		staff,	accuracy and		
	both patients and		Patient,	efficiency in		
	doctors through		doctor	scheduling by		
	validation and conflict-			eliminating		
	checking mechanisms			duplicate		
				bookings.		
FR-04	The system provide a	Could have	nurse,	Support	Resource_data.csv	Proposed
	real-time dashboard to		doctor,	informed		
	hospital staff			decision-		

	displaying patient		administrator	making and		
	volumes, appointment		staff	resource		
	schedules, and waiting		2 	allocation		
	time statistics.			through real-		
	time statistics.			time		
				operational		
				insights.		
FR-05	The system integrate	Must have	IT team,	Improve	Appointment_data.csv	Approved
	appointment		doctor,	patient care and		
	scheduling with the		administrator	operational		
	medical record system		staff	efficiency by		
	to ensure accurate and			integrating		
	centralized patient			appointment		
	information.			scheduling		
				with medical		
				records into a		
				centralized		
				system.		
NFR-01	The system support	Should	IT team	Ensure	Appointment_data.csv	Proposed
	concurrent usage by a	have		scalability and	Resource_data.csv	
	large number of			system		
	patients and doctors			reliability		
	without performance			under high		
	degradation.			demand.		
NFR-02	The system maintain	Could have	IT Team,	Guarantee	Feedback_data.csv	Proposed
	high availability with a		Patient,	continuous		
	minimum uptime of		Doctor,	access to		
	99.9% to ensure		Administrative	critical		
	uninterrupted access.		Staff	healthcare		
				services		
				through high		
				system		
				availability.		

NFR-03	The system provide a	Should	Patient,	Enhance user	Feedback_data.csv	Proposed
	user-friendly interface	have	Administrator	adoption and		
	that is intuitive and		staff	satisfaction by		
	easy to navigate for			delivering an		
	patients, doctors, and			intuitive, easy-		
	administrative staff.			to-use		
				interface.		
NFR-04	The system ensure the	Must have	IT Team,	Protect patient		Approved
	confidentiality,		Patient,	data and ensure		
	integrity, and		Doctor,	compliance		
	protection of patient		Administrative	with healthcare		
	information in		Staff	privacy		
	compliance with			regulations.		
	healthcare data privacy					
	standards.					
NFR-05	The system be scalable	Won't have	IT team	Enable long-		Deferred
	to support future			term flexibility		
	growth in patient			and		
	volume, additional			adaptability of		
	departments, and			the system to		
	expanded functionality.			support		
				organizational		
				growth.		