PROJECT NAME: MediShare

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#	SOFTWARE NEEDS	DESCRIPTION
1	Version Control	We will use Github Desktop version 3.3.13, which is the latest available. Each developer should install it on their own computer. Our team does not require an upgrade unless there is a security update. If an update is necessary, it should be done on a Saturday, unless it is critical. In such cases, it should be done as early as possible and during break times.
2	Languages and Libraries	Listing the programming languages, frameworks, and libraries needed for project development, along with their versions, potential upgrades or service packs, who will be responsible for installation and upgrades, and when upgrades should be scheduled to minimize delays to the project schedule, are all part of identifying software needs for languages and libraries. Through this method, the development team is guaranteed access to the necessary tools and resources, compatibility and stability are maintained throughout the project lifespan, and software upgrades are efficiently managed to support ongoing development efforts.
3	Database	PostgreSQL version 15.3.1 is a reliable and scalable database capable of handling large amounts of data smoothly. It is recommended that each developer performs their own setup of PostgreSQL. Any updates should be made on one computer firstly then other computers on weekends.
4	IDE	In MediShare, Visual Studio version 1.88 will be used. Each developer will set up its own computer. We will not need any update.
5	DialogFlow	The latest version (April 4 2024) of Dialog Flow will be used, and installation will be carried out by the IT team during the specific sprint. Any updates will be monitored and installed at 6 PM.
6	Documentation	Google Docs will be used as it is an online platform that does not require installation or updates.

7	Statistic	For our project, we will be using Tableau version 2024.1.1.
		This version has new capabilities that can aid in faster and
		better decision-making with trusted generative AI. Each
		developer will install the latest version of Tableau on their
		own computer. On Sunday, there will be an update break to
		ensure that the project is not interrupted due to updates.
8	Communication	For our project's communication, we will be using Discord
		version 284140. Each developer is required to install Discord
		on their own computer. Discord updates are quick and error-
		free, but to be safe, we will have an update break on Sundays.

#	HARDWARE	DESCRIPTION
	NEEDS	
1	Server	Our project will use a client-server architecture, with each
		feature (entering medication, making appointments, looking
		at old treatments and medications, live support) processed on
		a separate server. This approach prevents disruptions to other
		processes in case of a crash. We require at least five servers
		with powerful processors and high GB RAM. Finally, these
		servers must implement load balancing in case the process is
		overloaded and other operations are not performed. For this
		algorithm, we have considered weighted minimum connection
		because it is both dynamic and we do not assume that each
		process will consume the same power.
2	Testing Devices	Identifying testing device needs involves specifying the
		essential functionalities required for thorough testing
		procedures. These devices encompass a range of tools such as
		testing frameworks, simulators, emulators, and physical
		testing devices tailored to the project's requirements. Each
		testing device necessitates corresponding software interfaces
		or drivers for seamless integration with testing environments
		and automation frameworks. Team members, comprising
		quality assurance engineers, developers, and product
		managers, may require access to these testing devices to
		execute comprehensive testing activities across various stages
		of the development lifecycle. Aligning the acquisition and
		deployment of testing devices with the project's timeline is

		critical, emphasizing early implementation to establish an
		effective testing infrastructure and ensure the timely
		detection and resolution of software defects.
3	Network	A hardware device that connects and routes data
		communications between devices in a network. Each port
		facilitates communication between devices. Manageable
		switches provide a web-based interface or console access for
		configuration and management. Supporting equipment such
		as Ethernet cables and mounting equipment is required. It is
		used during the network setup phase of the project and at the
		beginning of communication between devices. System
		administrators manage and configure it.
4	Computer	Identifying computer hardware needs involves specifying the
		required functionalities such as processing power, memory,
		storage, and connectivity. Each computer hardware
		component, such as CPUs, GPUs, RAM, storage drives, and
		network interface cards, requires corresponding software
		drivers for proper operation and integration with the
		operating system. Team members including developers,
		testers, and system administrators may need access to these
		computer hardware devices to fulfill their roles. The timeline
		for acquiring and deploying computer hardware should align
		with the project's overall schedule, with an emphasis on
		providing sufficient resources to support development,
		testing, and deployment activities.
5	Security	Identifying security hardware needs involves specifying
		required functionalities. These include firewall protection,
		intrusion detection, encryption, and authentication devices.
		Each piece of hardware requires corresponding software for
		configuration and management, along with supporting
		equipment such as appliances or sensors. To fulfill their roles,
		team members, including system administrators, network
		engineers, and security analysts, may need access to these

	hardware devices. The timeline for acquiring and deploying
	security hardware should align with the project's overall
	schedule. It is important to emphasize early implementation
	to establish a secure foundation and mitigate risks from the
	outset.

- 11	CURROR NEEDC	DECODIDATON
#	SUPPORT NEEDS	DESCRIPTION
1	Database support	As the MediShare project aims to share health data, database
		support is crucial. This support can begin with design
		consultancy and continue throughout the project. However,
		we should only consider database support as a last resort. We
		will have backup data to prevent situations such as However,
		we may require additional support in situations where our
		resources are inadequate. As Postgresql does not offer
		support, we have determined that Profelis is the most suitable
		support provider for our needs. This is due to their ability to
		provide Turkish language support, 24/7 online service, and
		expertise in data migration.
2	DialogFlow	We will integrate Dialogflow into our live support section. The
		support team will be available to assist us promptly in case of
		any issues. Google Dialogflow, with enhanced support via
		Google Cloud, will meet our needs and provide 24/7
		availability.
3	Tableau	We will require support from Tableau in case of any issues. As
		we use this application for the first time in this project and
		will be included in the report for premium membership
		companies, it is crucial to promptly resolve any problems that
		may arise. Therefore, we have opted for Tableau's premium
		technical support, which provides online or phone support
		24/7.
4	Technical support	Technical support will be required, particularly if any issues
		arise after the server installation and during the project

		development whose Theory will also societies were being a sec-
		development phase. They will also assist in resolving any
		server-related problems encountered during testing.
		Hardware and software related to both computers and servers
		should be sold with or without the help of support technicians.
		Support technicians should provide remote or onsite support.
5	Security	The IT security team is responsible for implementing and
		maintaining security measures like firewalls, intrusion
		detection systems, and encryption protocols to ensure the
		project's security. Regular assessments, audits, and incident
		response protocols are provided to reduce security concerns.
		A commitment from the team is crucial for confidence in the
		project's security posture, requiring open communication,
		agreement on security requirements, and early reporting of
		security events or vulnerabilities. (Security)
6	Training support	Training specialists are essential for project team members to
		learn new technologies, tools, and procedures. These
		specialists should be planned at significant project milestones,
		providing interactive sessions, online courses, and training
		resources. The project can benefit from a knowledgeable staff
		if training specialists commit to providing continuous support.
		Resolving training gaps and showing gratitude for their
		support are crucial aspects of maintaining a positive working
		relationship with training professionals. The team should also
		provide feedback on the effectiveness of the training.
7	Stakeholder	Stakeholder engagement teams play a crucial role in gathering
	Support and	input and feedback from project stakeholders, ensuring
	Feedback	project outputs align with expectations and take their input
		into account. This support is provided at all stages of the
		project through regular meetings, questionnaires, interviews,
		and feedback channels. Maintaining stakeholder satisfaction
		and project success requires active participation,
		transparency in project progress, and responsiveness to
		stakeholder needs and input