Project Design Phase
Data Flow Diagram & User Stories

Date	23 October 2023
Team ID	PNT2022TMID592348
Project Name	Project - AI-Driven Optimization of 5G Resource Allocation for Network Efficiency
Maximum Marks	4 Marks

Data Flow Diagram:
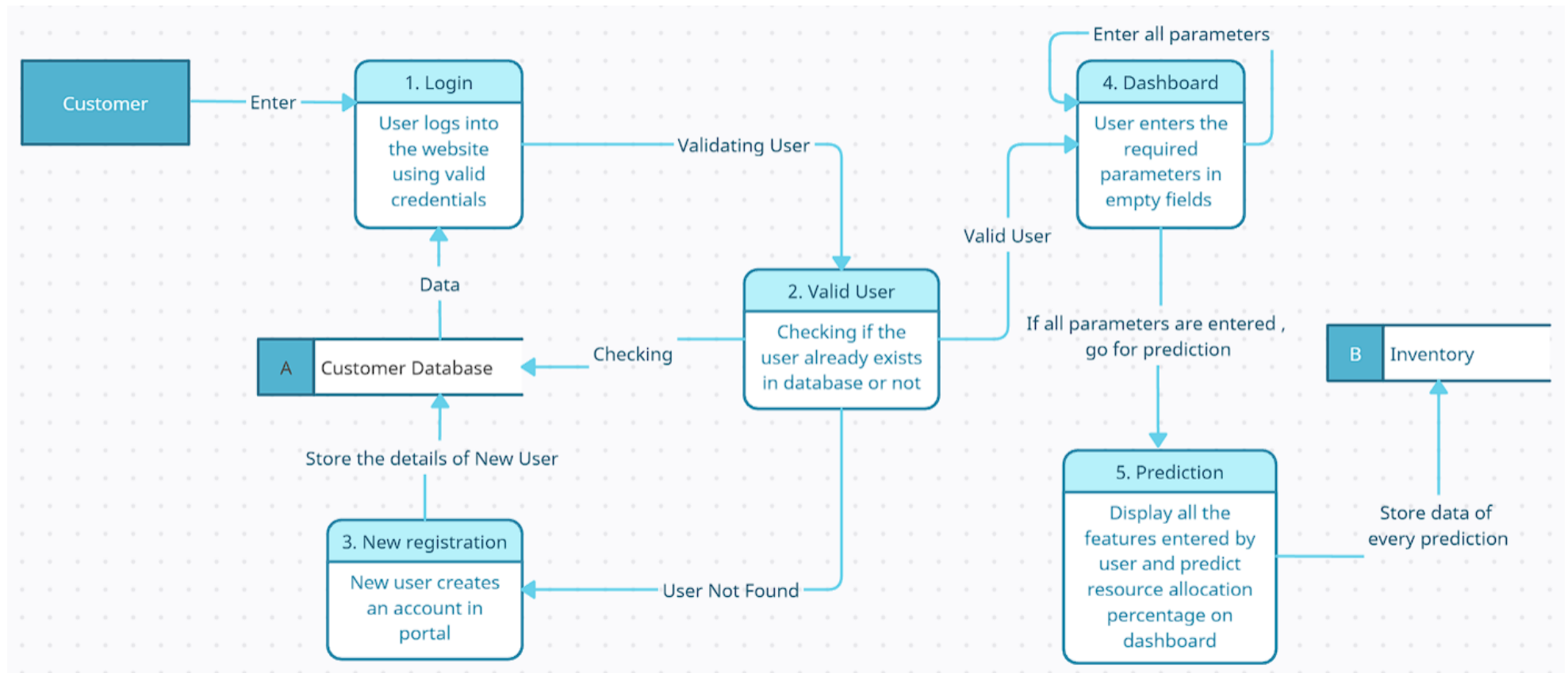
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Mobile User	Registration	USN-1	As a mobile user, I want to register on the 5G optimization platform to access its features.	User can provide valid registration details.	High	Sprint-1
		USN-2	As a registered mobile user, I want to reset my password in case I forget it.	User can request a password reset.	Medium	Sprint-2
	Login	USN-3	As a mobile user, I want to log in to the 5G optimization platform with my credentials.	User can provide valid login credentials.	High	Sprint-1
		USN-4	As a logged-in mobile user, I want to log out of the platform securely.	User can log out, and their session is terminated.	Medium	Sprint-2
	Dashboard	USN-5	As a mobile user, I want to view a dashboard that displays network performance metrics.	User can access a dashboard with real-time performance data.	High	Sprint-1
		USN-6	As a mobile user, I want to customize my dashboard to display specific metrics.	User can select and arrange metrics on the dashboard.	Medium	Sprint-3
Web User	Registration	USN-7	As a web user, I want to create an account on the platform to access optimization features.	User can provide valid registration details.	High	Sprint-1
		USN-8	As a registered web user, I want to reset my password if I forget it.	User can request a password reset.	Medium	Sprint-2
	Login	USN-9	As a web user, I want to log in to the platform using my credentials.	User can provide valid login credentials.	High	Sprint-1
		USN-10	As a logged-in web user, I want to log out securely to end my session.	User can log out, and their session is terminated.	Medium	Sprint-2
	Dashboard	USN-11	As a web user, I want to access a dashboard displaying network performance data.	User can view the dashboard with real-time performance data.	High	Sprint-1

		USN-12	As a web user, I want to personalize my dashboard by selecting specific performance metrics.	User can choose and arrange metrics on the dashboard.	Medium	Sprint-3
Customer Care Executive	Dashboard	USN-13	As a customer care executive, I want access to a dashboard to monitor network performance.	User can access the dashboard with real-time performance data.	High	Sprint-1
		USN-14	As a customer care executive, I want the ability to view network performance metrics in real-time.	User can see updated performance metrics.	Medium	Sprint-2
	Reporting	USN-15	As a customer care executive, I want to generate reports on network performance for analysis.	User can create reports with specified parameters.	High	Sprint-3
		USN-16	As a customer care executive, I want to export reports in various formats (e.g., PDF, CSV).	User can export reports in requested formats.	Medium	Sprint-4
Administrator	User Management	USN-17	As an administrator, I want to manage user accounts (create, edit, delete) on the platform.	Administrator can create, edit, and delete user accounts.	High	Sprint-1
		USN-18	As an administrator, I want to grant or revoke access permissions to specific functionalities.	Administrator can manage user access permissions.	Medium	Sprint-2
	System Configuration	USN-19	As an administrator, I want to configure system settings and parameters for optimization.	Administrator can modify and save system configurations.	High	Sprint-1
		USN-20	As an administrator, I want to view system logs and user activity for auditing purposes.	Administrator can access and review system logs.	Medium	Sprint-3