

Project Design Phase

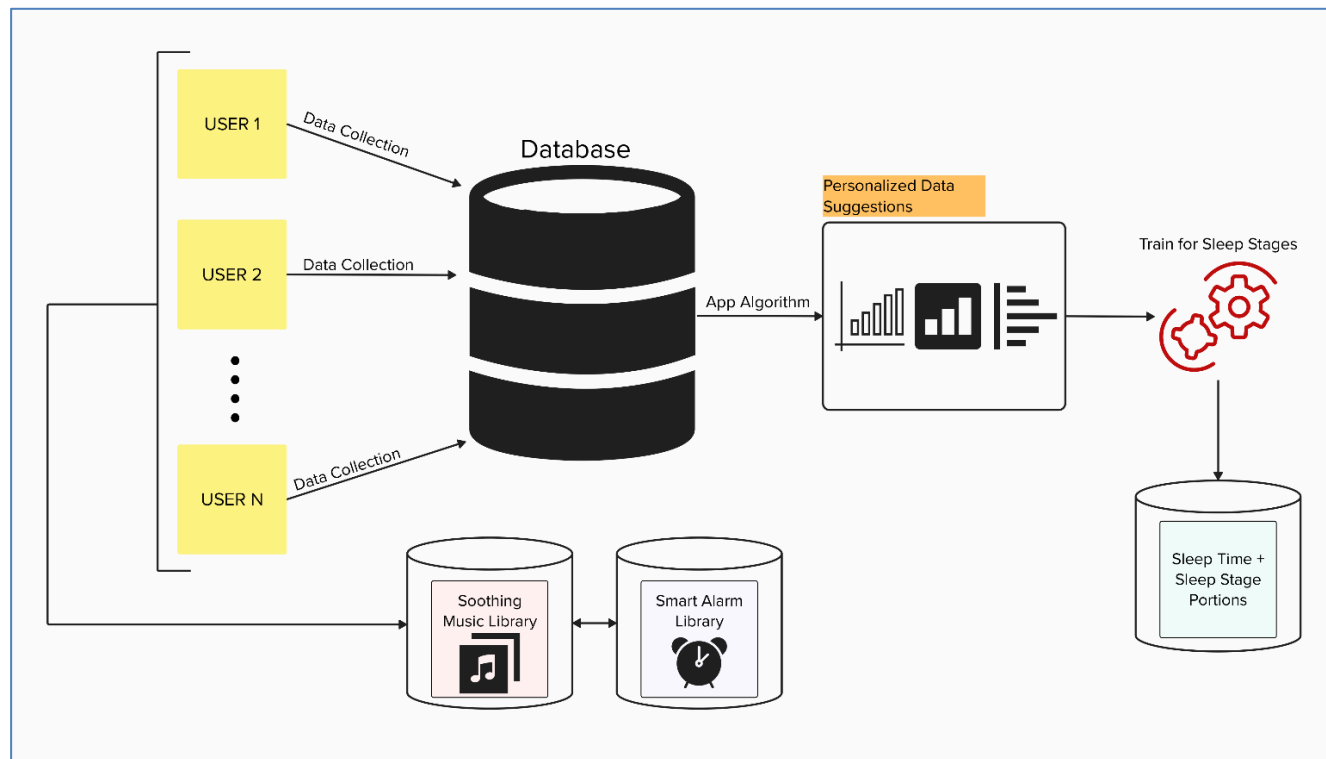
Phase 3

Data Flow Diagram & User Stories

Date	23 October 2023
Team ID	SI-GuidedProject-587558-1696963149
Project Name	A Sleep Tracking App For A Better Night's Rest
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
	Login	USN-3	As a user, I can log into the application by entering email & password		High	Sprint-1
	Sleep Tracking and Improvement	USN-4	As a user, I want to track my sleep patterns by inputting my bedtime and wake-up time.	The app successfully records my sleep patterns.	High	Sprint-1
		USN-5	As a user, I want to receive personalized recommendations for improving my sleep quality based on the analysis of my sleep data.	The app provides me with tailored sleep improvement suggestions.	Medium	Sprint-2
	Relaxation and Sound Library	USN-6	As a user, I want access to a library of calming sounds and white noise to create a soothing sleep environment.	The app allows me to select and customize calming sounds for a peaceful sleep environment.	Medium	Sprint-1
	Smart Alarm and Wake-Up	USN-7	As a user, I want to set a smart alarm that wakes me up at the optimal point in my sleep cycle for a more refreshing wake-up.	The smart alarm effectively wakes me up at the optimal time.	Medium	Sprint-1
Data Analyst	Requires Data	USN-8	As a data analyst, I want to get my sleep data so that I can check my tendencies.	The app gives accurate data to the analyst.	Low	Sprint-3