

Project Progress 2 Summary (10th October to 23rd October)

Date	Number of Hours	Description of Work Done
13th October 2025	1 hour	Scrum meeting and progress update
14th October 2025	1.5 hours	Research on Ui design and game involment for the application
16th October 2025	3.5 hours	Initial Component Creation: Created SleepCycleScreen, WordSearchScreen, and VoiceChatScreen components, and implemented the foundational sleep logging feature with validation.
18 th October 2025	4 hours	Voice Chat Implementation: Handled voice input, AI responses, added message rendering, status indicators, and quick actions.
21 st October 2025	2.5 hours	Extensive Sleep Cycle Features: Refactored styles, added sleep quality selection, wake time input, logging modal, calculation functionality, and defined data interfaces.
22 nd October 2025	2 hours	Word Search Setup & Sleep Fix: Initial setup of WordSearchScreen (game state, interfaces, word placement) and fixing fontWeight in SleepCycleScreen.
23 rd October 2025	3.15	Word Search Game Logic: Implemented UI, core logic (word checking, state updates), game completion, and grid functions. , midterm report , project progress report

Project Progress Summary

This development period was highly productive, focusing on implementing and stabilizing features across three major application modules. Primary contributions include the complete implementation of the **Word Search Game**, covering the UI, all core **game logic** (word placement, validation, state management, and completion flow). Significant effort was also dedicated to the **Sleep Cycle Tracking** module, where features such as a sleep logging modal, user input for **wake time and sleep quality**, style refactoring, and functions for **sleep calculation and advice** were successfully delivered. Additionally, foundational and functional elements were established for the **Voice Chat** feature, including logic for handling **voice input**, integrating AI responses, and managing message rendering. This work demonstrates a successful transition from foundational component setup to the delivery of complex, fully functional application logic across multiple distinct features.