Progress Report for Assignment ACE6193/ARC6133 (C++ OOP)

Assignment Title: Digital Flash Card for Effective Study

Note
Please update the report at least once every week. Follow the format shown below.
Write in bullet points. The update follows the agile practice, where developers meet daily to report on their progress in a short standing 10 minutes meeting.

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Github repository (private): https://github.com/Yasshone/ADVANCED-PROGRAMMING-ASSIGNMNET

Update No :	1
Date:	May 2 FRIDAY
Work completed since previous update :	• Read and understood assignment brief- Discussed project scope and requirements • Created initial project folder and setup
Problem faced :	• None yet
Future work :	• Start designing class structure and UI flow

Update No :	2
Date:	May 3 SATURDAY
Work completed since previous update :	• Designed class structure for Flash Card project Implemented basic flashcard add and view functions.
Problem faced :	• Managing console string inputs cleanly was slightly tricky. • Time Management
Future work :	• Start file saving and loading feature and test binary I/O

Update No :	3
Date:	May 10 SATURDAY
Work completed since previous update:	• Implemented file saving/loading using data file. • Added User class and basic scoring per card.
Problem faced :	• Handled data overwrite issues during file I/O testing. • Manage time with lab work for other classes
Future work :	• Start spaced repetition logic based on flashcard score.

Update No :	4
Date:	May 17 SATURDAY
Work completed since previous update :	• Developed SpacedRepetitionManager to prioritize hard cards. • Review feature integrated with user score tracking.
Problem faced :	• Needed to adjust logic for fair random selection within top difficulty.
Future work :	• Finalize user interface and clean up class responsibilities

Update No :	5
Date:	May 18 SUNDAY
Work completed since previous update :	• Finalizing spaced repetition logic
Problem faced :	• Trying to balance interface usability • Time management
Future work :	• Improve Code and UI

Update No :	6
Date:	May 24 SATURDAY
Work completed since previous update :	• Improved menu UI.
Problem faced :	• Balancing interface functionality took effort.
Future work :	• Continue improving code structure and test spaced repetition logic

Update No :	7
Date:	May 31 SATURDAY
Work completed since previous update :	• Added total score tracking and CLI polish.
Problem faced :	• Managing time with other assignments and tests
Future work :	• Finalize user interface and clean up class responsibilities

Update No :	8
Date:	June 7 SATURDAY

Work completed since previous update :	• Refined program interface
Problem faced :	• Time management and balancing report writing
Future work :	• Begin preparing report, UML, and video script.

Update No :	9
Date:	June 8 SUNDAY
Work completed since previous update :	• Tested full functionality. Began report write-up and logbook entry. • Prepared screenshots.
Problem faced :	• Minor bugs in score updating during incorrect review. • Manage time with lab submission for other classes
Future work :	• Complete GitHub, UML diagram, and final documentation.

Update No :	10
Date:	June 14 SATURDAY
Work completed since previous update :	• Final review done. All features working: spaced repetition, file I/O, score tracking. Report, UML, and GitHub completed.
Problem faced :	• Slight difficulty managing binary file during loading (resolved).
Future work :	• Submit project with complete deliverables and video demo.