Flashcard Application

**Comprehensive Report**

The purpose for my Flashcard application was created to help users study while using flashcards on different topics for subjects they take in school or for general knowledge. With the help of my application they would be able to take a quiz which shows them 5 questions where they will have to show whether the question they received is true or false. As they finish answering their questions they will be given a score to showcase the user on how well they did on the quiz and they will make way their way to the review screen where they will be able to review the question and the correct answers to those questions. I hope this application will help users get better at their studies to achieve the dreams they are pursuing. Github is the version control and collaboration of Git and Github actions is where coders an programmers can check for errors in their code and automate their development workflows such as building, testing and deploying their code. I changed my screens background colour to black to visually bring out the text colour for all my text views and changed the buttons background colour to red for an even better view for the buttons.

Main Activity Screen

* titleMessage <Text View>: Displays the application name.
* welcomeMessage <Text View>: A welcome message for the user.
* startBtn <Button>: Allows the user to move to the quiz screen.
* exitBtn <Button>: Allows the user to exit the application.

Quiz Screen

* questionTextView <Text View>: Displays the questions to the user.
* feedbackTextView <Text View>: When the user gets the answer right, they will see a Correct prompt, if there answer is wrong they will see an Incorrect prompt.
* trueBtn <Button>: The button the user uses to answer correctly.
* falseBtn <Button>: The button the user uses to answer incorrectly.
* nextBtn <Button>: Allows the user to go to the next question and once all questions are answered they will be given a final score afterwards.
* scoreBtn <Button>: The user uses this button to go to the Score Screen.

Score Screen

* quizScoreTextView <Text View>: This shows the users final score from the quiz.
* feedbackTextView <Text View>: This shows and offers the user feedback from the test. If the user got less than 3/5 they will be shown “Keep practicing!” and if they got equal to or more than 3/5 they will be shown “Great job!”.
* reviewBtn <Button>: This takes the user to the review screen.
* exit2Btn <Button>: Allows the user to exit the application

Review Screen

* reviewTextView <Text View>: This shows all the questions of the quiz and the correct answers to all the questions for the user to review as a numbered added list.
* exit3Btn <Button>: This allows the user to exit the application
* back2Btn <Button>: This takes the user back to the score screen

Images & Screenshots

A screenshot of a black screen

AI-generated content may be incorrect.

A screenshot of a black background with red buttons

AI-generated content may be incorrect.

A screenshot of a phone

AI-generated content may be incorrect.

A screenshot of a game

AI-generated content may be incorrect.

A black screen with white text

AI-generated content may be incorrect.

A screenshot of a phone

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Github Repository Link

<https://github.com/ST10381843-Lusanda-Shai/IMAD-Assignment2.git>

YouTube Video Link

<https://youtube.be/bvc5dSUghM8?si=VB0n_pQEj9DFyq1c>

<https://youtube.be/YNrdK-DxyJU?si=IS1Y2JtOuVV1Yku4>

# References

Anand, T. (2023, April 22). *Medium*. Retrieved from medium.com: https://medium.com/@atushar580/building-an-android-quiz-app-with-kotlin-a-step-by-step-guide-6361391eecad

Intelligence, A. (2025, May 19). *ChatGPT*. Retrieved from ChatGPT.com: https://chatgpt.com/?model=auto

A screenshot of a black screen

AI-generated content may be incorrect.A screenshot of a cell phone

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.

The reason I used ChatGPT was because I couldn’t find any resources that would help me build the review screen functions to help show the questions and answers to those questions. I used the AI today late at midnight at 2am. There is the second part of the 3rd screenshot that is missing since the website was accidently refreshed.