Introduction to Mobile Application Development - Assignment 2

MODULE CODE - IMAD 5112 STUDENT NAME - LESEGO SEBAKO STUDENT NUMBER - ST 10493865

Github Link - https://github.com/LesegoSebako/AfricanHistoryChallenge

Youtube Link - https://youtu.be/B7CllPZsdk4

African History Challenge

A simple quiz app that tests knowledge of key moments in African history with true/false questions.

Features

- 5 true/false questions about African history
- Immediate feedback with explanations
- Score tracking and results review
- Clean Material 3 UI with themed colors

Screens

1. **Welcome Screen**
   - App introduction

   - Start button
2. **Question Screen**
   - True/False buttons

   - Historical context for each question

   - Progress indicator (X/5)
3. **Results Screen**
   - Final score display

   - Performance feedback

   - Option to review or restart
4. **Review Screen**
   - List of all questions

   - Correct/incorrect indicators

   - Explanations for each answer

Technical Details

- **Architecture**: MVVM with ViewModel
- **State Management**: Compose mutableState
- **Navigation**: Compose Navigation
- **Data**: Hardcoded questions/answers in `QuizData.kt`

Data Structure

"'kotlin // All questions and answers in arrays val questions = arrayOf("Q1", "Q2"…) val answers = booleanArrayOf(true, false…) val explanations = arrayOf("Explanation1"…)