

**2023 – Lab Exam 03  
Report**

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Batch	Group - Y2.S2.WE.IT.02.01
Name	K. Rangana Malmi Nadee
Marks	
1. Code Quality and Organization (2 Points)	
2. Functionality (4 Points)	
3. Creativity and User Interface Design (2 Points)	
4. Performance and Stability (2 Point)	
Total: 10 Marks	
Evaluator	

## Description:

# Quizify App

Welcome to Quizify, the ultimate trivia experience that will put your knowledge to the test!

Embark on a journey through the exciting world of programming languages with Quizify, where your coding knowledge will be put to the test! Dive deep into the syntax, semantics, and quirks of various programming languages as you tackle a wide range of questions designed to challenge even the most seasoned developers.

## Features:

**Multiple Choice Questions:** Offer players a selection of answers to choose from for each question, increasing engagement and accessibility.

**Offline and Online Play:** Enable both offline and online gameplay modes to accommodate players with or without internet access, ensuring accessibility and flexibility.

**Explore Diverse Languages:** From classics like Kotlin, Java, and C++, C, OOP to cutting-edge languages like Rust, Swift, and Go, Quizify covers a wide spectrum of programming languages, ensuring there's something for every coding enthusiast.

**Code Snippet Challenges:** Put your coding skills to the test with interactive code snippet challenges. Analyze snippets of code and identify errors, predict outputs, or fill in missing parts to complete the functionality.

**Comprehensive Categories:** Delve into different aspects of programming languages, including syntax, data structures, algorithms, object-oriented programming, functional programming, and more.

**Interactive Code Challenges:** Put your skills to the test with interactive code challenges. Analyze code snippets, debug errors, predict outputs, and complete missing sections to sharpen your coding abilities in a practical, hands-on way.

**User-Friendly Interface:** Enjoy a sleek and intuitive interface designed to enhance your gaming experience. Seamlessly navigate between questions, review your performance, and track your achievements with ease.

Get ready to sharpen your coding skills, expand your programming knowledge, and become a true master of programming languages with Quizify: The Ultimate Programming Language Challenge!"

## Instructions:

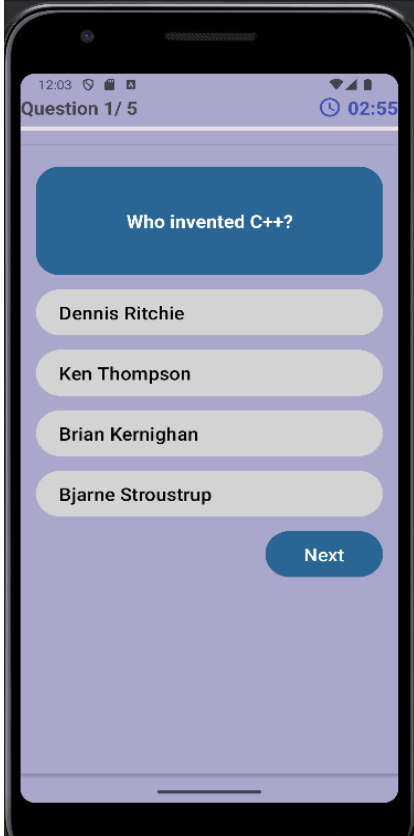
1. **Getting Started:** Upon launching the game, you'll be greeted with the main menu where you can choose to start a new game.
2. **Selecting Categories:** Next, choose the categories you'd like to include in the quiz. You can select from a variety of topics such as C,C++,Java, OOP, Kotlin.
3. **Answering Questions:** Once the game begins, you'll be presented with a series of multiple-choice questions. Read each question carefully and select the answer you believe is correct.
4. **Scoring:** Earn points for each correct answer. Incorrect answers do not deduct points, so don't hesitate to make a guess if you're unsure!
5. **Game Over:** The game ends when the time runs out.
6. **Viewing Results:** After the game concludes, you'll have the opportunity to review your performance. See how many questions you answered correctly and your total score. If you get more than or equal 60% you can pass the Quiz
7. **Starting a New Game:** Ready for another round? Simply start a new game from the main menu and choose your desired settings to begin another exciting quiz.
8. **Exiting the Game:** When you're finished playing, you can exit the game.

## Requirements:

1. **Layouts:** Used
2. **Activities:** Used
3. **ViewModel:** Used in the timer, when the mobile phone rotates, the timer does not restart; the remaining time does not change."
4. **Intents:** Used
5. **Shared Preferences/Local Storage:** Firebase used to store question models

## Screenshots:





When the mobile phone rotates, the timer does not restart.

