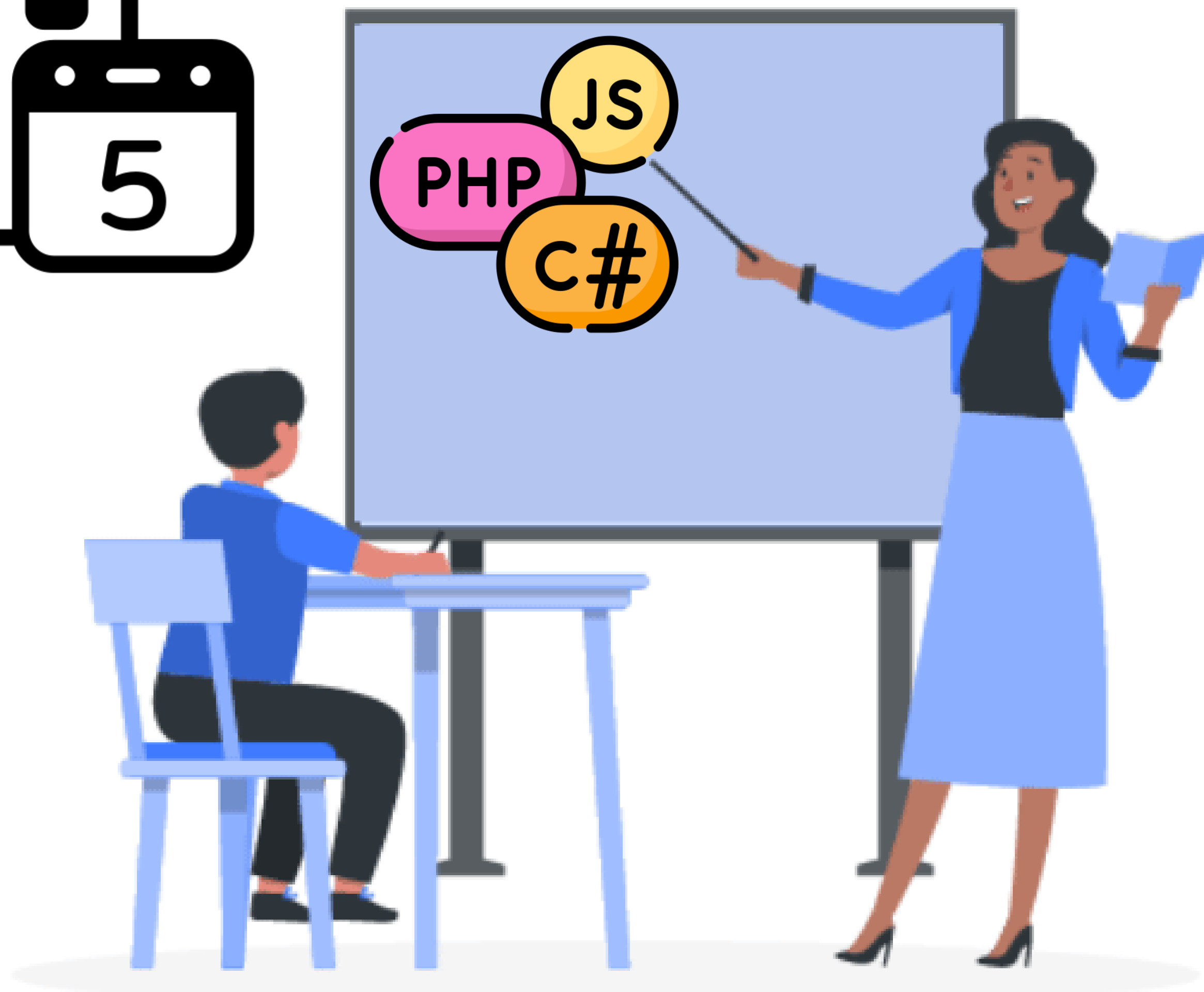
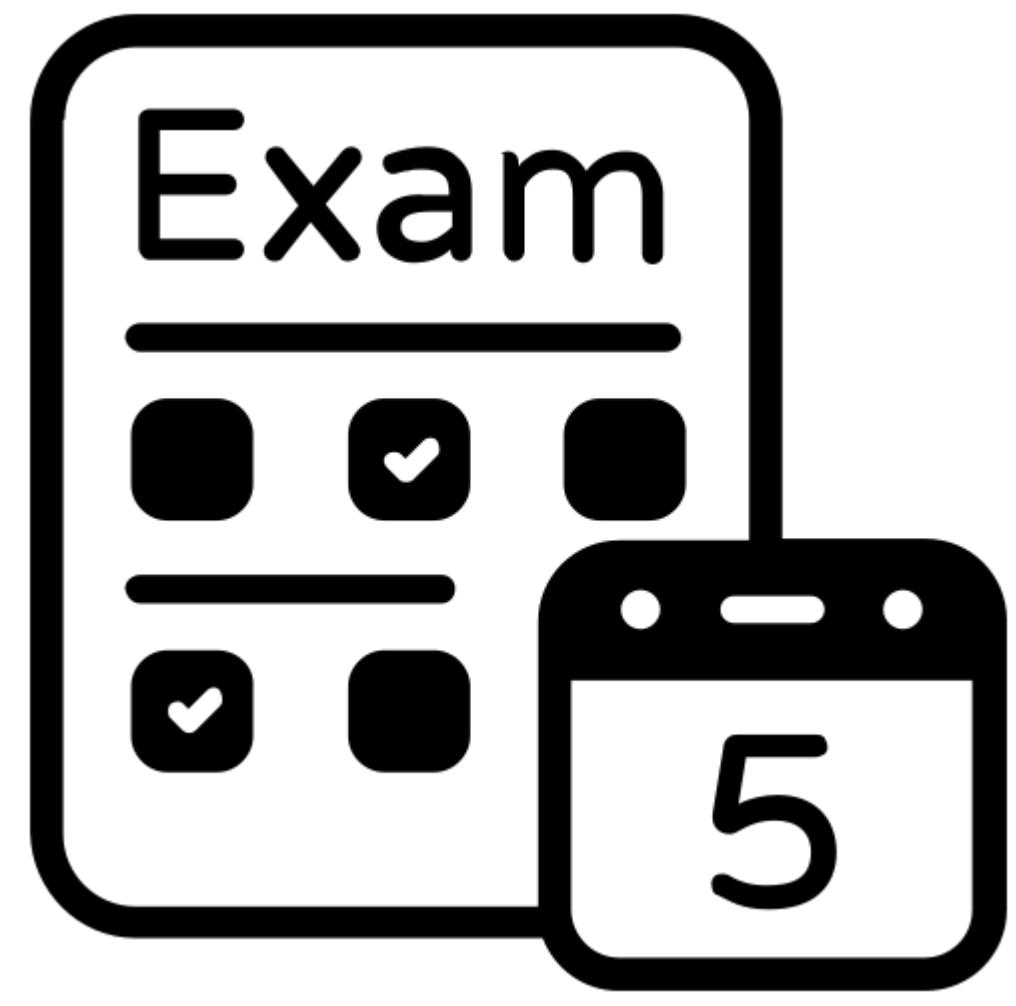


# ISAQUIZ APP

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Object-Oriented Programming Lab – Fall 2021



## ABSTRACT

The purpose of IsAQuiz application is to automate the existing manual system by the help of a mobile application, fulfilling their requirements, so that their valuable data/information can be stored for longer periods of time in a database with easy accessing and manipulation of the same data. This application as described above can lead to an error-free, secure, reliable, and fast management system. It can assist the users to concentrate on their other activities rather than on record keeping. Thus it will help the teachers in better utilization of resources and help them to maintain computerized records without redundant entries. The application will be developed using the core concepts of Object-Oriented Programming (OOP) such as classes, objects, encapsulation, abstraction, etc.

## OBJECTIVES

Following are the objectives of this project:

1. To build an application that reduces the manual work for managing tests.
2. To create an appropriate platform for managing the MCQ-based tests.
3. To simplify MCQ test making and taking process for both teachers and students.
4. To manage the details of students, examinations, marks, courses and papers online in a database.
5. To administratively control the access and application.
6. To release the marks of the test taker as soon as possible.
7. To apply the core concepts of OOP and practically implement to solve a real-world problem.



## CONCLUSION

The main purpose of my project is to develop an application that offers new aspects of learning and improving knowledge in the educational area. Most of the available apps are entertainment-based, which mostly do not contribute to the academic enhancement of the students. The theme of my IsAQuiz application is to provide users with exam practice. This quiz is useful for the preparation of any test. This quiz app includes two main roles, namely (i) Student (ii) Teacher.

According to their roles they'll be led to different pages and given different functionalities, which they can use to make their lives easier.

I have learned a lot about Flutter based applications and also about user's behavior. I have found that the development process is hard and time-consuming, but it can be managed by persistent hard work. I hope that other developers will take advantage of my experience/from my development.

In future, I am planning to keep managing the project and improving it based on user feedback. I will add more features in to our app to make it even more effective, user friendly, and better quality-wise. Also, I'll work on adding a feature namely "Calculate overall performance of students from their attempted quizzes", which will be helpful for teachers to categorize students accordingly.

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## ACKNOWLEDGMENTS

I would like to express my deep gratitude & appreciation to my supervisor, Ma'am Sumayyea Salahuddin, who guided me throughout this project. I would also like to thank my Brother who supported me and offered his deep insight into the study.

