



NITTE
EDUCATION TRUST

N.M.A.M. INSTITUTE OF TECHNOLOGY
(An Autonomous Institution affiliated to Visvesvaraya Technological University, Belagavi)
Nitte – 574 110, Karnataka, India

REPORT

ON

FOUR WEEKS OF INTERNSHIP

Carried out at

Zephyr Technologies & Solutions Pvt. Ltd.

Submitted to

NMAM INSTITUTE OF TECHNOLOGY, NITTE

(An Autonomous Institution under VTU, Belagavi)

In partial fulfillment of the requirements for the award of the

Degree of Bachelor of Engineering

in

Information Science & Engineering

by

ADITHYA
USN 4NM19IS009

Under the guidance of

Dr. Balasubramani R

Assistant Professor



N.M.A.M. INSTITUTE OF TECHNOLOGY
(An Autonomous Institution affiliated to Visvesvaraya Technological University, Belagavi)
Nitte – 574 110, Karnataka, India

CERTIFICATE

This is to certify that the “Internship report” submitted by Mr. **Adithya** bearing USN **4NM19IS009** of 8th semester B.E., a bonafide student of NMAM Institute of Technology, Nitte, has undergone at least four weeks of internship at Zephyr Technologies & Solutions Pvt. Ltd. during July 2022 fulfilling the partial requirements for the award of degree of Bachelor of Engineering in **Information Science & Engineering** at NMAM Institute of Technology, Nitte.

Name and Signature of Mentor

Signature of HOD

INDUSTRY CERTIFICATE



ZTP-INT-2022-2024

CERTIFICATE OF COMPLETION

This certificate is presented to **Mr. Adithya (4NM19IS009)** student of NMAM Institute of Technology for successfully completing the internship in **Java Programming On Mobile Application Development** under the guidance of our special team of trainers.

Period of Internship Training: **05-07-2022 to 20-08-2022**

We have found him to be a self starter who is motivated, duty bound and Hard-working. he worked sincerely on his assignments, and his performance was Par Excellence.

Date: 30-08-2022

Zephyr Technologies and Solutions Pvt Ltd

Place: Mangaluru

Abdulla Abid Samah
Chief Executive Officer



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I would like to thank **Dr. Niranjan Chiplunkar**, Principal, NMAMIT and the Department of Information Science and Engineering for their consistent support and providing me this opportunity to do the internship.

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I would like to thank my Guide **Dr. Balasubramani R**, Associate Professor, Department of ISE for all the support and guidance.

I would like to thank Zephyr Technologies & Solutions Pvt. Ltd. for providing me with the necessary facilities for carrying out the work.

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ABSTRACT

Zephyr Technologies & Solutions Pvt. Ltd. is a software company delivering high-quality, cost effective, reliable result-oriented web and e-commerce solutions on time for a global clientele. These internship drives are approved by the college for partial requirement for the award of degree of Bachelor of Engineering in Information Science & Engineering at NMAM Institute of Technology, Nitte.

I have done my internship on Mobile App Development using Android Studio which helped me to understand the concepts of designing interface elements like Layout and Fragments and learned about how, why and where to use them.

The objective of the internship was to develop an android app to get a firm grasp on developing mobile application and explore the different elements of Android Studio.

The training was focused heavily on commercial aspects of app development such as the usage of UI colors and when to use them as well as what makes for an appealing user interface. By learning the trips and tricks that industries use to expand their user base, I learned ways to make myself more useful and appealing as an prospective employee to different industries.

1. INTRODUCTION TO THE INDUSTRY

ZEPHYR TECHNOLOGIES is a software company delivering high quality, cost effective, reliable result-oriented web and e-commerce solutions on time for a global clientele. Professionalism, skill and expertise are the tools we use to make the web work for your business bringing in maximum return on your investment in shortest possible time.

They have delivered on IT projects of varying complexities for their very demanding and internet clients spread across the globe. They develop unique web solutions which ensures increased efficiency and competitive advantage for your business and thus to your end users.

Their tools are professionalism, skills and expertise that translate into delivering quality work at every step for any project we undertake. They work towards getting better than the best out of every team member at ZEPHYR TECHNOLOGIES, which means when you hire them all round quality is assured off as you want it. Their advantage quality includes protection of intellectual for the source codes developed specifically for your business. They do not sell the source codes to the third parties and all elements that they create for your web solution belongs to you.

ZEPHYR TECHNOLOGIES project managers and business analysts place great value for building a clean communication link with you as they consider it the key ingredient for the success of any project at hand.

2.DETAILS OF THE TRAINING UNDERGONE

FUN QUIZ APP

The project: "Fun Quiz" is a collection of a number of different types of categories like history, science, GK, etc. A user can access/play all of the quizzes and can attempt any . There will be a limited number of questions and for each correct answer, the user will get a credit score. Users can see answers as well if the ticked answer is wrong.

There are many quiz applications available currently on the internet. But there are few which provide better understanding between users and the application, providing correct answers and the app that is user-friendly.

With this application, the user will come to know about his/her level and can learn additional knowledge. Also by this application, a user can expand his/her knowledge that can be gained.

- Purpose

This application provides the facility to Play quizzes and improve G.K.

It provides a good platform, where a student not only judges their knowledge/skill but also they can improve knowledge/skill at the same time.

- Scope

The Scope of this project is very broad in terms of gaining knowledge A few points are:

- Can be used anywhere at any time since it is a mobile application.
- This application can be used in educational institutions as well as in the corporate world.

2.1. SPLASH SCREEN

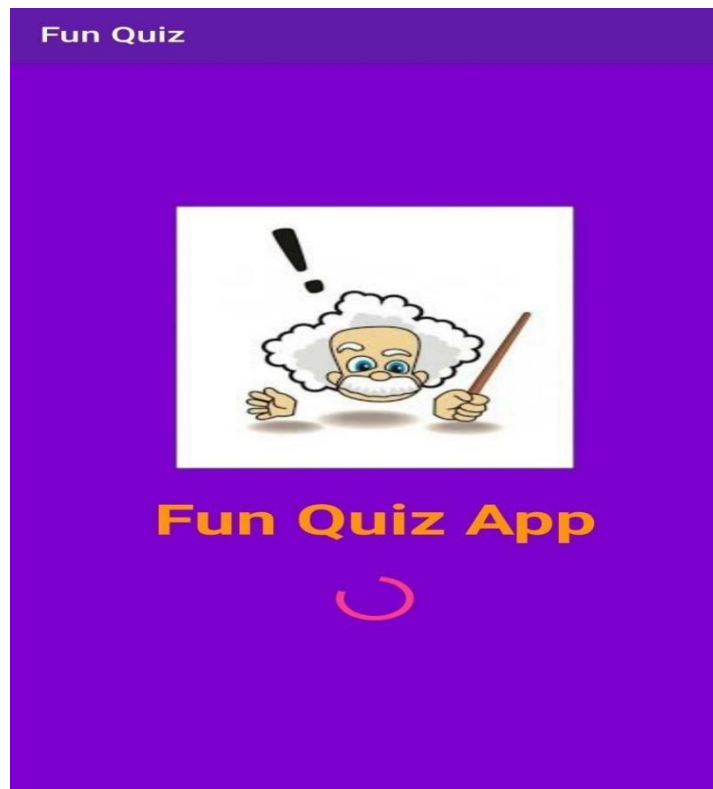


Figure 3.1.1 Splash Screen

Starting in Android 12, the SplashScreen API lets apps launch with animation, including an into-app motion at launch, a splash screen showing your app icon, and a transition to your app itself. A SplashScreen is a Window and therefore covers an Activity.

The splash screen experience brings standard design elements to every app launch, but it's also customizable so your app can maintain its unique branding.

How the splash screen works:

When a user launches an app while the app's process isn't running (a cold start) or the Activity isn't created (a warm start), the following events occur:

1. The system shows the splash screen using themes and any animations that you define.
2. When the app is ready, the splash screen is dismissed and the app displays.

3.2 PLAY ACTIVITY



Figure 3.2 Play Activity

In this activity there will be an logo and the button named as “Play” when the user clicks on the play button it will be taken to categories activity.

3.3 CATEGORIES



Figure 3.3.1 Categories

Here we have 5 Buttons named as

1. History
2. Computer
3. Webseries
4. Marvel
5. Current Affairs

User can click only one button ,on the click of each button it directs to the questions.

3.4 QUIZ ACTIVITY

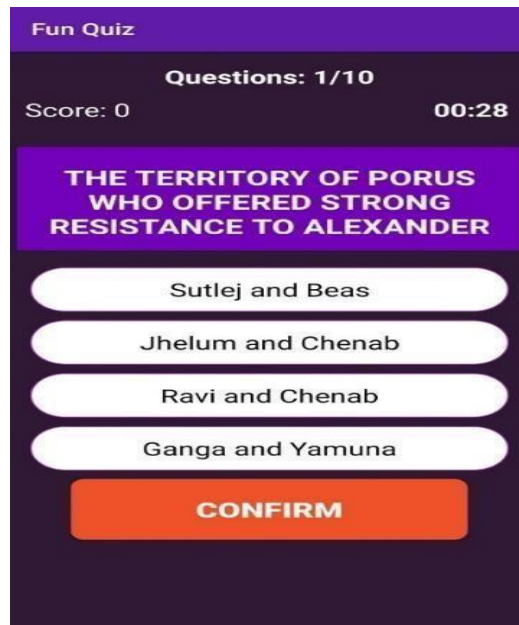


Figure 3.4.1 Quiz Activity

The When user enters into this activity he can see the

1. QUESTIONS : QUESTIONS ATTENDED/TOTAL QUESTIONS

2. SCORE

Initially the score will be zero if the user answers correctly he will get 10 marks per question, if the provided answer is wrong there will be no increment in the score.

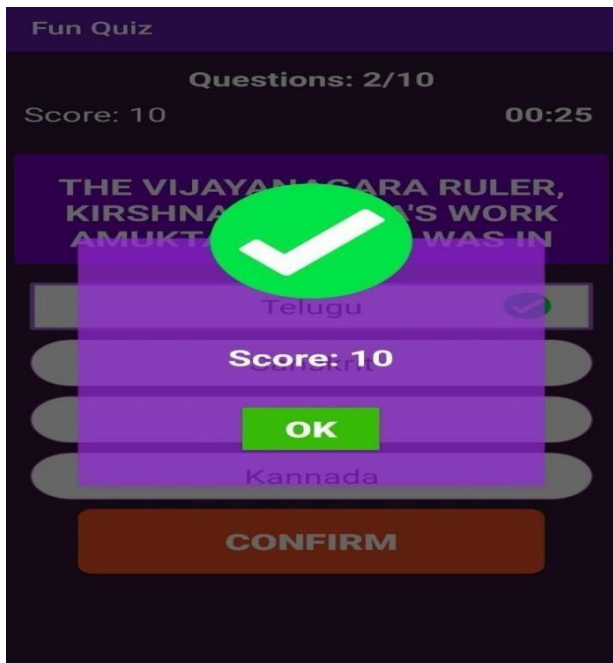
QUESTION and RADIO BUTTON

There will be only one question which appears at a time ,each question has 4 options. Here the options will be in the radio button.

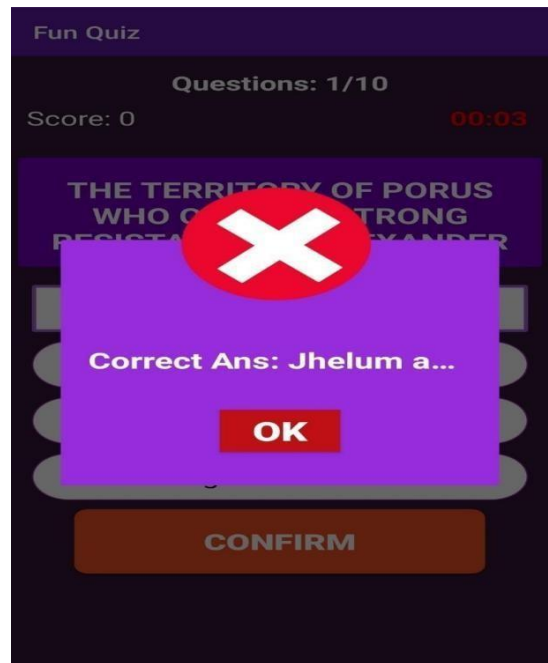
BUTTON

Here button is named as the “CONFIRM” when the user selects the options he has to click on the confirm button to submit the answer.

3.5 FEATURE



3.5.1 Correct Dialog

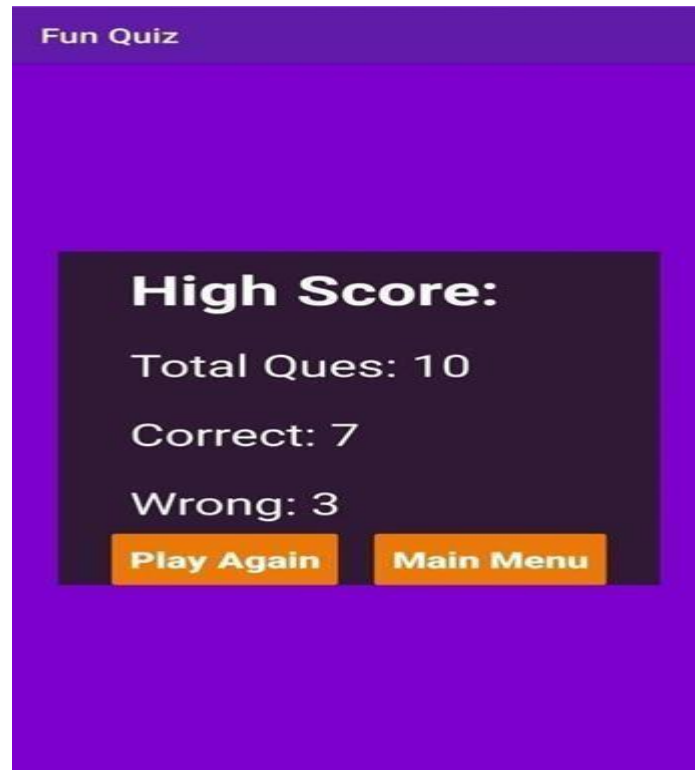


3.5.2 Wrong Dialog

As the user gets 4 options he needs to select an option, if the selected answer is correct .The dialog box will be displayed in green colour with a tick symbol and score will be added.

As the user gets 4 options he needs to select an option, if the selected answer is wrong .The dialog box will be displayed in red colour with a wrong symbol and correct answer will be displayed

3.6 RESULT ACTIVITY



3.6.1 Result Activity

After answering all the questions result activity will be shown

- i) Total number of questions
- ii) Number of questions which are answered correctly
- iii) Number of questions which are wrong.

There will be two buttons i)Play again ii)Main menu If the user clicks on the “Play again” he will allowed to play the same category quiz which he chose before. If the user clicks on the “Main menu” the app shows goes back to the category page where he can select any one from 5 categories.

3. CONCLUSION

I have worked on developing an android application and came out more experienced as an app developer. The 4 weeks of internship also gave me an insight into little tips and tricks they use to become more successful.

I have come out of internship more confident in myself and would like to thank Zephyr Technologies & Solutions Pvt. for letting me into their platform for this amazing experience.

4. REFERENCES

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