SCORZZ

(A SIMPLE SCORE CHECKER ANDROID APP)

MINI PROJECT – I

SYNOPSIS

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Acknowledgement

It gives us a great sense of pleasure to present the synopsis of the B-Tech mini project

undertaken during B-Tech III Year. This project is going to be an acknowledgement to the

inspiration, drive and technical assistance will be contributed to it by many individuals.

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providing us with an encouraging platform to develop this project, which thus helped us in

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department for their kind guidance and co-operation.

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ABSTRACT

The project "Scorzz" is an online sports score checker application based on accessing the internet to look for scores of any match. The purpose of this study is to develop and implement a score checker android application for all matches.

We don't have to use the conventional method of using website to check the Score and updates of matches happening at competitive level around the globe.

In general, this simple yet amazing android application will make life easier for all the Cricket enthusiast person.

Contents

<u>INTRODUCTION</u>

" SCORZZ" is a simple android application through which one can check the scores of live cricket matches as well as past cricket matches. The user will be able to check live score without any signup or login.

The simple goal of this application is to make life easier for all the cricket lovers out there. Scores of live games around the globe will all be available to them and they can get any updates about the live matches, all available at one place.

The basic requirement is a stable Internet connection as all the data from the API will all be exchanged over the Internet and no request can be processed without Internet connectivity.

<u>SOFTWARE AND HARDWARE REQUIREMENTS</u>

- **Platform**: Windows 10
- **Code Editor:** Android Studio
- **Ethernet Adapter**
- **API Key**

PROJECT DESCRIPTION

The purpose of this project is to develop an Android Application
through which the users can check the scores of live matches of Cricket games happening all around the globe through a simple android application without any signup or login. A stable Internet connection is a must.

In this project there are four parts as following:

- Home Page
- Match Summary Page
- Score Info Page
- Player List Information

WORKING

When a user visit on our app 'SCORZZ' firstly he/she get the homepage where the buttons of Scores and another button of Series Information will be shown to the user and when the user will click on any button and jump to the next activity, the match information activity or series information activity will be shown. Suppose a user clicks the Score button then the match activity page will pop up and the user will be able to see the list of all matches (happened, happening at moment and even those matches also which will happen in future). When the user further clicks over any match, the summary of that match will be shown to the user. There is a back button also through which the user can jump back to the visited activity. Further on the match summary activity there is a button which when clicked will take us to a new activity where the user will be able to see the full scorecard of every batsman and bowler. Another button on match summary activity will return the list of all the players from both the sides featuring in that particular series or tournament.

<u>IMPLEMENTATION</u>

In this project we use Android Studio Chipmunk and different free APIs from different sources available on google to get the live scores of every match happening at the competitive level.

<u>API Key:</u>

The API key is a unique identifier that authenticates requests associated with your project for usage and billing purposes. You must have at least one API key associated with your project.

API keys provide:

1. Project identification — Identify the application or the project that's making a call to this API.
2. Project authorization — Check whether the calling application has been granted access to call the API and has enabled the API in their project.

Drawbacks:

API keys are generally not considered secure; they are typically accessible to clients, making it easy for someone to steal an API key. Once the key is stolen, it has no expiration, so it may be used indefinitely, unless the project owner revokes or regenerates the key. While the restrictions you can set on an API key mitigate this, there are better approaches for authorization.

References:

- www.google.com
- www.cricapi.com
- www.stackoverflow.com

Faculty Guidelines:

Mr. Farmanul Haque

(Technical Trainer GLA University)

GITHUB REPOSITORY:

https://github.com/AmanSingh3175/Scorzz