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Android Smartphone-Based Golf Statistics Tracker App

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PROJECT REPORT

CPET 491 Senior Design Phase II

Android Smartphone-Based Golf Statistics Tracker App

Submitted by:

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To fulfill Computer Engineering Technology Degree Requirement

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ABSTRACT

The Android Smartphone-Based Golf Statistics Tracker application will allow users to track and analyze statistical information about their golf game. For golfers there currently isn't an easy way to track all the statistical data from their rounds without having to write down all the information and calculate it themselves. Not only is it time consuming but it is also might be a distraction on the course while playing. With the Golf Statistics Tracker app players will be able to enter their round information in a quick and easy to use interface. Also, all the statistical data from the rounds are broken down into many different categories to give users a comprehensive view of their tendencies.

The application's key features will include a list of comprehensive statistical data to give feedback to users, provide GPS tracking of club distances, and voice recognition software which helps reduce the amount of time users spend entering data so it will not interfere with their game play. The application will also utilize several databases in order to store and track information entered by the user for courses.

Keywords: Android, Global Positioning System (GPS), Voice Recognition, App, Secure Digital Card (SD card), Activity, Java, Android Software Development Kit (SDK), Integrated Development Environment (IDE), Application Programming Interface (API), Graphical User Interface (GUI)

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