**Thing**

Thing app is a multipurpose app with some cool special functions. This app is specially designed to ease the accessibility of important tools which are of great use in day-to-day life. This app also concentrates over fun section.

This app mainly includes:

* Music Player
* Calculator
* Camera
* Web Browser

And it also consists of some entertaining features:

* Magical Music Player
* Quiz

This app has used a very efficient login system which provides each user a specific userID and password, which is required to access into the app.

This app is completely developed on Android studio V 2.1.3

Each application created in this app is described in upcoming pages on the basis of concept used in them.

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Music Player

This application consists of a music library embedded in the form of mediaplayer array. Each song included in the media player array is accessed by its index. The user has option to play, pause and go to another song in array. This all is set on a loop which increments the index of array and access other song in library.

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Calculator

This application has a very unique approach and have a set of buttons used for typing the digits of a number and operator signs. The input is stored as a string and then it is differentiated out as an individual string and is converted into double datatypes. Once the result is obtained, it is again converted back into string and displayed.

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Camera

This camera application has an integration of the user’s camera built in his smartphone. Here an another intent is required to access the camera which is used to capture the image. Then, the image is converted back to bitmap format and is used to display back on the image view.

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Web Browser

This application has a very simple concept of using web view. Here , the user is required to enter the url of a site with [https://](NULL), which is stored in a string and act as a input to web view and loads the respective page if a proper net connection is provided.

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Magical Music Player

This application is based on light sensor, which plays the music when the light luminosity is greater than 5% otherwise the song is paused. Here, the SensorEventListner class is used to access some desirable functions such as onSensorChanged.

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Quiz!!

Quiz is one of the best application included in this app. This quiz has some mindboggling questions with some good current affairs. The scoring strategy is +1 for right answer, -1 for wrong answer and 0 for not attempting. This has a very basic use of radio group and radio buttons.

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THING

A Multi-purpose app

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