

# Programming Web/Cloud/Mobile

# # Lab Assignment 4

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LAB Assignment-4

# Introduction:

This Lab assignment deals with the android application development using android hardware features like Camera, Media, Audio and integrating social media related API with file storage.

# Objectives:

To code for the above question by implementing the below concepts**.**

* Android Hardware Features
* File Storage
* Grid Layout
* Android SDK

# Approaches /Methods:

Using Android Hardware, News API, Android Studio

# Workflow &Datasets/Parameters and Evaluation:

The below each question will follow different approaches to solve. Coding is done to perform the evaluation of each individual snippet to build android application using News API.

# Question 1:

**A screenshot of a cell phone

Description generated with high confidence**

**Solution:**

For this task we created a Android Application with the android hardware features camera, audio file storage and integrated the news API in it.

Below are the screen shots for the developed App

Home Page

A screenshot of a computer screen

Description generated with very high confidence

Camera Screen

A screenshot of a cell phone

Description generated with very high confidence

A screenshot of a cell phone

Description generated with very high confidence

Audio Screen:

A screenshot of a cell phone

Description generated with very high confidence

File Storage:

A screenshot of a cell phone

Description generated with very high confidence

A screenshot of a cell phone

Description generated with very high confidence

News Screen:

A screenshot of a cell phone

Description generated with very high confidence

**Conclusion:**

As stated the above workflow with certain set of parameters is followed in solving the execution by implementing the core and basic concepts of the Android.

# Source code link: https://github.com/PragathiThammaneni/Programming-Web-Cloud-Mobile/tree/master/Assignment/Assignment%204/Source%20Code

**Video Link:** [**https://youtu.be/WsJozIqWLb8**](https://youtu.be/WsJozIqWLb8)

# Wiki Link: https://github.com/PragathiThammaneni/Programming-Web-Cloud-Mobile/wiki/Assignment-4