Android Basics by Google Nanodegree Program
Bryce Lindley

Tour Guide App

This app is about featuring a list of top attractions of your choice. It can contain information that you care about in your own life to a user.

- **Selecting proper data structures to store lists of information**
- **Building layouts to display those lists of data**
- **Navigating between lists in Fragments using either a ViewPager plus TabLayout**
- **Creating your own custom classes**
- **Properly handling images or audio (if applicable)**
- **Planning your app design and navigation before coding**

Quiz App

This project is about creating full ownership over the creative vision, planning, and development of the app

- **Taking an app layout from drawing to XML code.**
- **Creating, positioning, and styling views.**
- **Creating interactivity through button clicks and Java code.**
- **Commenting and documenting your code.**
- **Planning your app design before coding.**

Inventory App   - This is the capstone project 🚀 of the Nanodegree program

This project is about combining various ideas and skills practiced throughout the course design
*and create the structure of a Inventory App that will allow a store to keep track of its inventory of
products. The app will need to store information about the product and allow the user to track
sales and shipments and make it easy for the user to order more from the listed supplier.*

- **Storing information in a SQLite database**
- **Integrating Android's file storage systems into that database**
- **Setting up a Content Provider and use it to access a repository of data**
- **Presenting information from files and SQLite databases to users**
- **Updating information based on user input**
- **Creating intents to other apps using stored information**
- **Creating a SQLite table in your app**
- **Populating that table with new entries**
- **Modifying the entries**
- **Displaying the contents of the table to users.**

Score Keeping App - *The goal is to create an app which gives a user the ability to keep track
of the score of two different teams playing a game of your choice. To build this project, you can
follow along with the practice set and customize the Court Counter app to track scores from a
different sport.*

- **Adding button code to your app**
- **Updating views**
- **Properly scoping variables**
- **Finding views by their ID**

Music App *- This app implements OnClickListeners and explicit Intents to link between different activities within the app. It uses ArrayList to retrieve and display information to a ListView.*

- **Designing an app experience to achieve a certain goal**
- **Creating new activities**
- **Using explicit Intents to link between activities in your app**
- **Using OnClickListeners to add behavior to buttons using Java code.**
- **Creating your own Custom Class**
- **Looping through an ArrayList**
- **Populating a ListView or GridView with an ArrayAdapter**

News Feed App - *This is an app that connects to the Internet to provide news articles on a topic of your choice. The goal is to create a News Feed app which gives a user regularly-updated news from the internet related to a particular topic, person, or location.*

- **Handling error cases gracefully**
- **Updating information regularly**
- **Using an AsyncTask**
- **Doing network operations independent of the Activity lifecycle**
- **Connecting to an API**
- **Parsing the JSON response**
- **Implement the Preference Fragment**
- **Launch a Settings Activity from a menu in the Main Activity**
- **Use Uri.Builder class to add query parameters to the URL**
- **Update and display the Preference Summary**

Projects : https://github.com/BryceLindley