

Java II

:: Activity

Assignment: Services for Web Calls Application (6h)

(Due: Thu, 08 Aug | Status: Not Completed)

In this assignment, you will build an application that will use a Service to retrieve JSON formatted data for storing and displaying on the User Interface.

Objectives & Outcomes

Upon completion of this activity, the learner will be able to:

- Build a functional mobile application that utilizes services to access the web and retrieve JSON data that is stored, parsed and displayed.

Level of Effort

This activity should take approximately 360m to complete. It will require:

- 120m Research
- 30m Prep & Delivery
- 210m Work

If you find that this activity takes you significantly less or more time than this estimate, please contact me for guidance.

Reading & Resources

Rubric: Service Application (necessary)

Instructions

This week you will build an application that uses a Service to retrieve JSON formatted data using an API. This JSON data must contain at least one array and your application must parse and display a subset of data from that array. In addition the JSON data must be stored in a file for access when internet is unavailable. The application should utilize previous lessons and best practices for application development.

Requirements

The application should contain **at least** the following components:

- 1 Service

- 1 Web Call (API included)
- 1 JSON Array Parsed and displayed
- 1 Internal File storing JSON data
- All Static UI views managed in XML

Important Requirement Notes

You should provide a minimum of three significant GitHub commits for this assignment. Examples of significant commits are when you create the project, a file is added, a new feature is added, a feature is working. Commits will be reviewed.

A video must be submitted in order for the assignment to be graded

Always review the assignment rubric for more detailed specifications.>

You should use XML layouts in this course for static views. Dynamic views may be modified in code.

The application must compile and launch on an Android emulator running Android 4.1. Applications that do not compile will not receive credit.

Deliverables

Weekly Git Post.

Discussion Details

Post a link to your public Git repository by the assignment deadline.

CLASS DISCUSSION