

LAB 4

1. GIT

Make sure that everyone in your team are using git properly.

Everyone should be able to:

- make commits
- push commits to origin (github)
- pull changes from origin (github)
- create branches
- merge branches
- resolve conflicts

2. Simple HTTP

Create app that can be used to load textual content from network addresses. Please follow the ui style on the image.

Remember to Add INTERNET permission to manifest file.

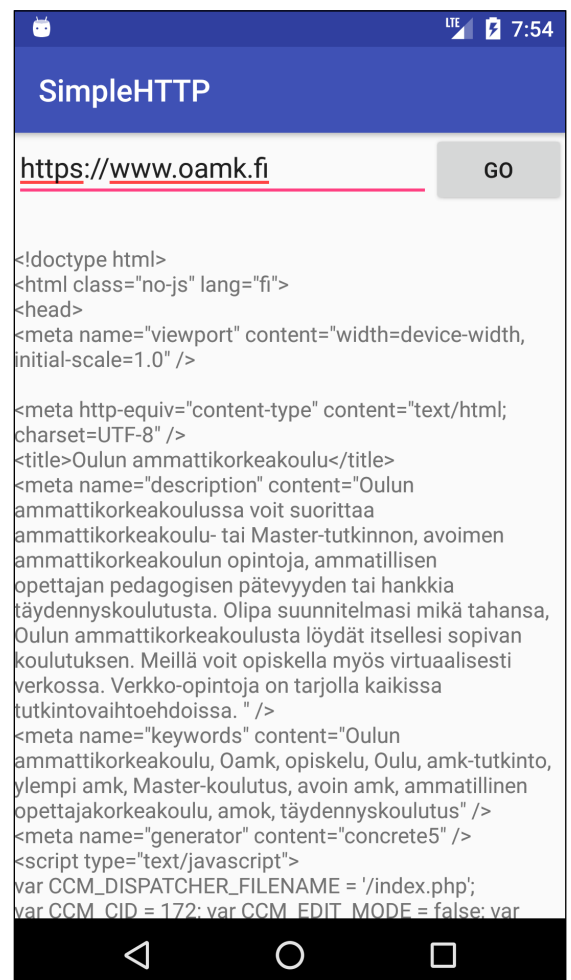
Read first these documents:

Information how to integrate Volley to your project here:

<https://developer.android.com/training/volley>

And example how to create a simple request:

<https://developer.android.com/training/volley/simple.html>



3. Stock Monitor

Create an app which can be used as stock monitor.

The app should display stock prices of following companies

Company	Stock ID
Apple	AAPL
Alphabet (Google)	GOOGL
Facebook	FB
Nokia	NOK

Use this REST api to get the stock price:

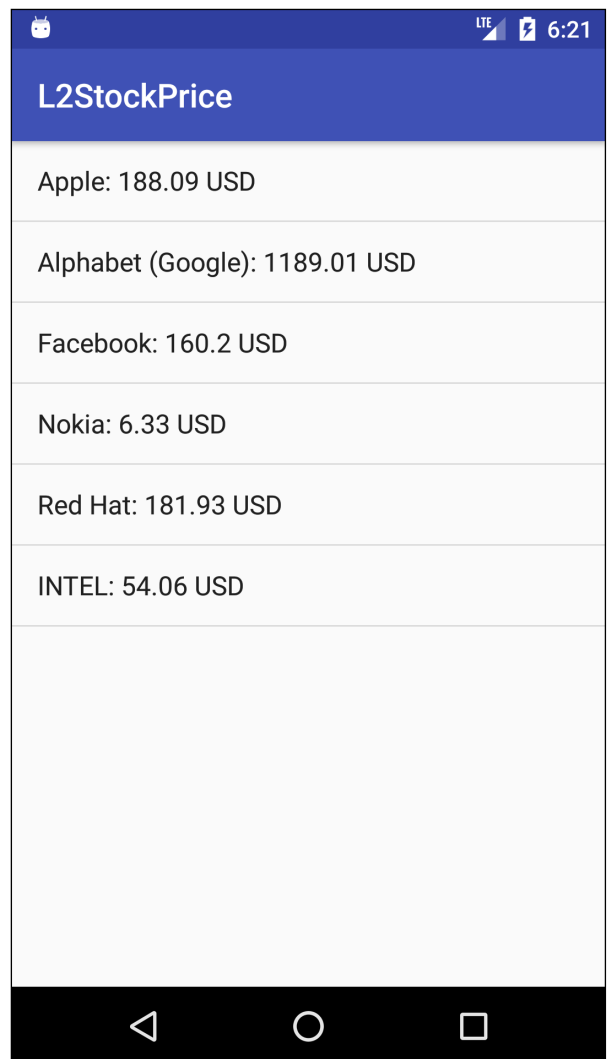
<https://financialmodelingprep.com/api/company/price/NOK?datatype=json>

Last parameter in the path will be the stock ID.

Use JsonObjectRequest from Volley library to create the request:

<https://developer.android.com/training/volley/request>

As a result you will get a JSONObject which you can easily read.



4. Stock Monitor V2

Create a copy of the previous stock monitor app. Modify it in a way that you can add more stocks to the app. See the example below.

The screenshot shows the L2StockPrice V2 app interface. At the top, there is a blue header bar with the title "L2StockPrice V2". Below the header, a list of stock prices is displayed in a table-like format. The list includes Apple (188.09 USD), Alphabet (Google) (1189.01 USD), Facebook (160.2 USD), Nokia (6.33 USD), Red Hat (181.93 USD), INTEL (54.06 USD), and International Business Computers (140.11 USD). Below the list, there is a form to add new stocks. The form consists of two input fields: "Stock name" and "Stock Id", followed by an "ADD" button. The "Stock name" field is highlighted with a red border. The app is running on an Android device, as indicated by the status bar at the top showing LTE, battery, and time (7:08), and the navigation bar at the bottom showing the back, home, and recent apps buttons.

Stock Name	Price (USD)
Apple	188.09
Alphabet (Google)	1189.01
Facebook	160.2
Nokia	6.33
Red Hat	181.93
INTEL	54.06
International Business Computers	140.11

Stock name

Stock Id

ADD