

ITP - JavaFX GUI using RESTful API and JSON

Prerequisites

- ☐ JavaFX
 - ☐ Drawing Graphs in JavaFX - <https://docs.oracle.com/javafx/2/charts/jfxpub-charts.htm>
- ☐ RESTful Web Services and API
 - ☐ What is REST? - to make life easier in German... <https://www.mittwald.de/blog/webentwicklung-design/webentwicklung/restful-webservices-1-was-ist-das-uberhaupt>
 - ☐ Usage Example <https://dzone.com/articles/how-to-implement-get-and-post-request-through-simp>
- ☐ JSON
 - ☐ What ist JSON? - to make life easier in German...
<https://wiki.selfhtml.org/wiki/JSON> (short explanation with small example)
<https://lernprogrammieren.de/json/> (a 5 min. video)
 - ☐ JSON Parsing with GSON <https://riptutorial.com/gson> Alternatives: <http://www.javacreed.com/simple-gson-example/> and <http://www.javacreed.com/gson-deserialiser-example/>
- ☐ MAVEN (optional) <http://jukusoft.com/2016/10/24/tutorial-eine-einfuehrung-in-maven-teil-1/>

Team Composition

A team consists of (2 to) 3 persons with the following MAIN responsibilities:

1. RESTful Web Service API usage
2. JSON Parsing
3. Graphical Data Representation

Everyone should have a basic understanding of all three topics, but must specialize in one.

Github Classroom Link: <https://classroom.github.com/g/64b3XMUg>

NAME	TEAM
Antlinger Kilian	T07
Audifax Yannick	T03
Auer Simon	T09
Bauer Lukas	T08
Berger Elias	T11
Birngruber Dominik	T12
Brandstetter Christian	T07
Deisinger David	T05
El-Banna Rene	T08
Enzenhofer Dominik	T05
Feilmaier Thomas	T06
Fleischanderl Sebastian	T10
Fragner Lea	T01
Gabauer Fabian	T01
Gschwandtner Elias	T05
Haunschmied Adrian	T04
Hiptmair Jonas	T12
Hofer Dominik	T08
Jagodic Bojan	T03
Krug Julian	T09
Leeb Julian	T09
Mallinger Mark	T04
Nader Benedikt	T11
Nemecek David	T10
Pernsteiner Niklas	T02
Pissenberger Jonas	T03
Prommer Richard	T06
Radler Felix	T10

NAME	TEAM
Stütz Benjamin	T11
Tuna Ata	T01
Wagner-Mistlberger Gerald	T04
Werner Lukas	T06
Wurm Elias	T07
Xhemajli Fikret	T02
Yürekli Melih	T02

Repository Structure And First Steps

Work in Progress...

For now just the following files and folders are necessary:

1. Create a readme.md containing the team composition and which person is going to focus on which topic
2. Create a `sandbox` folder (for testing purposes) and the following subfolders:
 1. `JavaFXGraph`
 2. `REST`
 3. `GSON`
3. Everyone uses one of the following Links from above (according to chosen topic) and tests the code within the subfolders
 1. Tip for GSON Tester: create a Maven project and add GSON dependency