



ÜBUNG 6

Gruppe [3]

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Aufgabe 1: Durchführung von Sprint 2

1.1: Das Ziel von Sprint 3

1 Punkt

The goal of this sprint is to finish the prototype of our application. We want to implement the not so important tasks, which can facilitate the use of the whole system. We also want some features for the user, for example the possibility of exporting the data.

1.2: Durchführung von Sprint 3

8 Punkt

Linkt to the project:

<http://1-dot-itse16-149521.appspot.com>

https://github.com/alpox/ITSE_16

We changed task 2 from “The year can be chosen by moving the slider or selecting a year in the table” to “The year can be chosen by moving the slider or selecting a year by writing it”. Furthermore, we changed the export formats so that the map can only be exported to SVG not also to JPG.

1.3: Testen

7 Punkt

a) We added some other Junit tests to check whether the new methods work or not.

b&c)

1. Introduction

1.1. Purpose

For these tests we use functional oriented test. Our goal is to check every function that we have so far.

1.2. Test volume

We will check all the functions of Sprint 2. These are:

- The world map shows new temperatures for a specific date by moving the slider
- The year can be chosen by moving the slider or selecting a year by writing it
- The graphical visualisations can be exported as SVG
- The tabular visualisations can be exported as CSV
- Comparison of different locations at certain times with each other

1.3. Referenced documents

The csv-document in which the data is saved.

2. Test environment

2.1. Outline

The test is split in to five test sequences. Each sequence contains one of the functions, the application should have so far.

2.2. Test instruments

The test is made on windows 10. The tested browsers are google chrome and internet explorer and the app runs with eclipse.

2.3. Test data, test database

The required data are on a separate csv file, "GlobalLandTemperaturesByMajorCity_v1.csv", which we downloaded from OLAT.

2.4. Personnel requirement

For doing the test we need one person.

3. Criteria for acceptance

For a successful test-completion, all the functions mentioned in the test volume have to work. An interruption and resuming can be done if there where found some errors while testing. To break the test there has to be a fundamental error with which we cannot continue testing.

4. Test cases

Test section 2:

Purpose: All the functions have to be tested

- 1) The world map shows new temperatures for a specific date by moving the slider
- 2) The year can be chosen by moving the slider or selecting a year by writing it
- 3) The graphical visualisations can be exported as SVG
- 4) The tabular visualisations can be exported as CSV
- 5) Comparison of different locations at certain times with each other

Preparatory work: none

Clean-up: none

Notes: none

Test sequence 3-1: New temperature with moving the slider

Test case Nr.	Action	Expected result	Foundings
2-1-1	Move slider from 1743 to 1818	1743 the average temperature of United States is 4.35, 1818 it is 8,776	Works

Test sequence 3-2: Choosing year

Test case Nr.	Action	Expected result	Foundings
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2-2-1	Move the slider from 1743 to 1893	Map shows data from 1893	Works
	Write 2005	Map shows data from 2005	Works

Test sequence 3-3: Exporting as SVG

Test case Nr.	Action	Expected result	Foundings
2-3	Select the export button on the map view	Download of a SVG file with the map	Works

Test sequence 3-4: Exporting as CSV

Test case Nr.	Action	Expected result	Foundings
2-4	Select the export button on the table view	Download of a CSV file with the table data	Works

Test sequence 3-5: Comparison of locations

Test case Nr.	Action	Expected result	Foundings
2-5	Select map visualization and countries, then move over the map	Each dot is a separate city with it data	Works

Aufgabe 2: Abschlusspräsentation

2.1: Abschlusspräsentation Ihres Projekts

4 Punkte
