
<ASSESSMENT>

TESTING GENERAL USE CASES AND INITIAL REFACTORING

VERSION <1.0>

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INTRODUCTION

The objectives of this phase is to fix bugs that appeared while refactoring the legacy code, develop tests involving table's manipulation (e.g. Show PLD), and move “Business Logic” code that does some processing on data, to the DataKeeper.

You can find the source code of the project in GitHub at:

<https://github.com/JordanRaphael/I1-software-data-evolution>

REFACTORING

REFACTORING

The refactoring applied in this intermediary phase involved:

- Moving the `gui.treeElements` package to the data hyper-package, renaming it to `data.treeElements`.
- Moving the `gui.tableElements.tableConstructors` package to the data hyper-package, renaming it to `data.tableConstructors`.
- Moving all listeners related to the General Table to a separate class called `GeneralTableListenerHandler` that handles Action Listeners initialization.
- Moving all listeners related to the Zoom Table to a separate class called `ZoomTableListenerHandler` that handles Action Listeners initialization.
- Moving data logic from `BusinessLogic infoAction()` to `GlobalDataKeeper printlnfo()`.
- Moving data logic from `BusinessLogic showClusterSelectionZoomArea()` to `GlobalDataKeeper showClusterSelectionZoomArea()`.

- Moving Constructors of tableConstruction inside GlobalDataKeeper (e.g. TableConstructionPhases).
- Moving two population methods (populateWithPhases, populateWithClusters) inside GlobalDataKeeper.

TESTING

TESTS

List of tests implemented so far:

- testCreateProject
- testEditProject
- testLoadProject
- testZoomIn
- testZoomOut
- testSetData
- testShowPLD
- testShowPhasesPLD
- testShowPhasesWithClusters
- testShowFullDetailedLifetimeTable

NEXT STEPS

In the next phase we are going to apply some basic refactoring (e.g. removing duplicate code, extract method) to the following classes:

- GeneralTableListenerHandler
- ZoomTableListenerHandler
- GlobalDataKeeper
- BusinessLogic
- Gui