

Planning document 0.1

SQUID

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Software Engineering Project
UNIVERSITY OF HELSINKI
Department of Computer Science

Course

581260 Software Engineering Project (6 cr)

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Change Log

Version	Date	Modifications
0.1	4.3.2005	First version with nothing in it (Samuli Kaipiainen)
0.2	8.3.2005	Some class descriptions (Aki Korpua, Samuli Kaipiainen)

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Use case format:

UC0: Use case identifier and title

[POSSIBLE TEMPORARY NOTE HERE FOR PROJECT GROUP; SHALL BE REMOVED FROM FINAL VERSION... OR MAYBE NOT.]

Scenario a	First scenario for doing the use case.
Scenario b	Second scenario for doing the use case. ...
Precondition	Preconditions for use case.
Postcondition	Postconditions for use case.
Error condition	Error handling, mainly if anything special needs to be done.
Goal-derived	Goal-derived use case(s) in which this use case occurs (if any); see section ??.
Requirements	Requirement(s) from which this use case derives; see section ??.

1 Introduction

1.1 Meaning and structure of the document

1.2 Glossary

2 Overview of the system

See Figure 1.

3 Architecture description

4 Project Explorer

4.1 ProjectExplorerPanel

Created by: MainViewPanel

Uses: ProjectExplorerTableModel, ProjectExplorerPopupMenu

Creates a history/autocomplete field (browserField) for choosing the project directory, a listing of project files in that directory (explorerTable) and in that listing a line for creating new project, which has a textbox for project name, an AF/TH ComboBox and a "Create new" button for actuating the creation. Also has a right-click popup menu for exporting project files.

Events:

- On browserField change: send browserField's text to RunQueue (singleton?) which schedules disk access and autocomplete. (This could be in a separate BrowserFieldCom-

ponent class...)

- On explorerTable mouse right-click: create a ProjectExplorerPopupMenu for right-clicked project file (this could be in ProjectExplorerTableModel class).
- On createNewProject mouseclick: create a new project, set it active and tell ProjectExplorerTableModel to update itself.
- On browseButton mouseclick: open a FileChooser dialog for choosing the directory.

Fields: (not all necessarily needed, most are also self explanatory)

- BrowserFieldComponent browserField (need a separate class for this?)
- ProjectExplorerTableModel explorerTable
- JButton createNewProject
- JButton browseButton
- JTextField newProject
- JComboBox newProjectType

Constructors:

- ProjectExplorerPanel()

Creates its components, places them and sets the last project folder as current project folder.

Methods:

- public void createNewProject()

Creates a new project, sets it active, sends it to MainViewPanel, tells explorerTable to reset newProject and newProjectType fields.

- public void doBrowse()

Creates a FileChooser dialog and tells explorerTable and browserField to change to directory returned by it.

4.2 ProjectExplorerTableModel

Created by: ProjectExplorerPanel

Creates a list of project files in directory and handles changes the selected project and executing export choice.

Events:

- On newDirectoryEvent: updates list of project files on JTable
- On selectTable MouseEvent: sets new Project active

Fields:

- JTable projectFiles

Constructors:

- ProjectExplorerTableModel()

Creates projectFiles and gets its content from default directory

- ProjectExplorerTableModel(String directory)

Creates projectFiles and gets its content from given directory

Methods:

- public void loadDirectory(String directory)

Update list to show given directory.

- public void loadProject()

gets selected line from list and send it to MainViewPanel.

4.3 ProjectExplorerPopupMenu

Created by: ProjectExplorerPanel

Shows choices to export: AF, Thellier, Thermal and executes selected

Events:

- On selectItem mouseEvent: tells selected Project to create selected file from it's self

Fields:

Constructors:

- ProjectExplorerTableModel()

Creates itself

Methods:

- public void export(int type)

Tells current project to export itself to selected type.

5 Some other specific part (subsystem) to this system...

6 Package structure

7 Bibliography