PDT
1.1
Build Path

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1. Introduction

   1.1 Requirement Rationale

   The options in this page indicate the build path settings for a PHP project. You can reach this page through the project properties (Project > Properties > Include Path Libraries) from the context menu on a created project or the File menu of the workbench.
   The build class path is a list of paths visible to the interpreter when building the project, it is also used by the project's include path resolver.

   Current Solution:
   The implementation is now based on the DLTK infrastructure, instead of previous implementation that was based on code taken from JDT.

   1.2 New Terminology

   The main change in terminology is using "build path" instead of "include path".

   1.3 References

Document Name	Link
DLTK Help	Build paths
JDT Help	Java Build Path page

2. Detailed Description
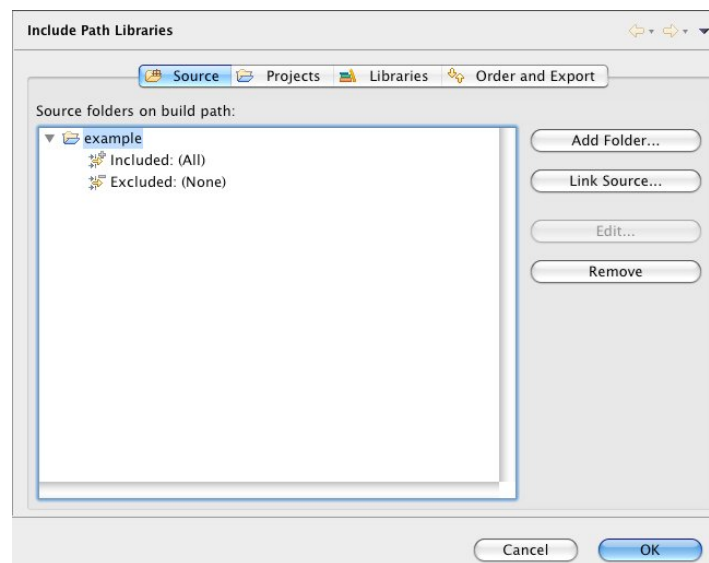
2.1 Source tab

2.1.1 Description

Source folders are top-level folders in the project hierarchy. Source folders allow structuring the project, for example to separate test from the application in two source folders.
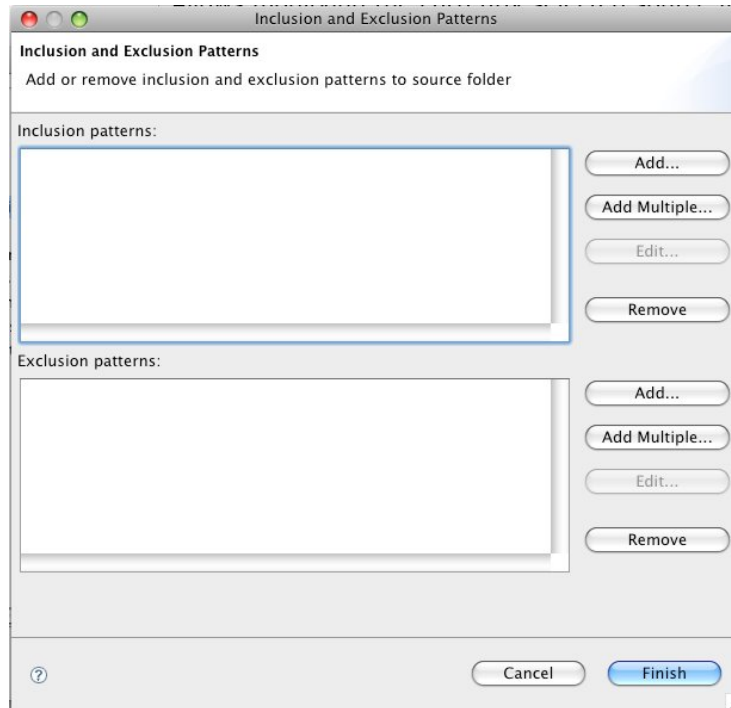Each source folder can define an exclusion filter to specify which resources inside the folder should not be visible to the interpreter.
The tree shows the project, as it will look like when switching to the PHP explorer. Several operations can be executed on this tree to change the structure of the project.

2.1.2 User Interface

#	Control Name	Description
	Add folder	Add a folder to the PHP build path as source folder.
	Link source	Add a link to a folder in the file system as source folder to the PHP build path.
	Edit	Opens the "Inclusion and Exclusion Patterns" screen, which allows modifying the currently selected source folder or source folder attribute.
	Remove	Removes the selected folders from the class path. This does not delete the folders or their contents.

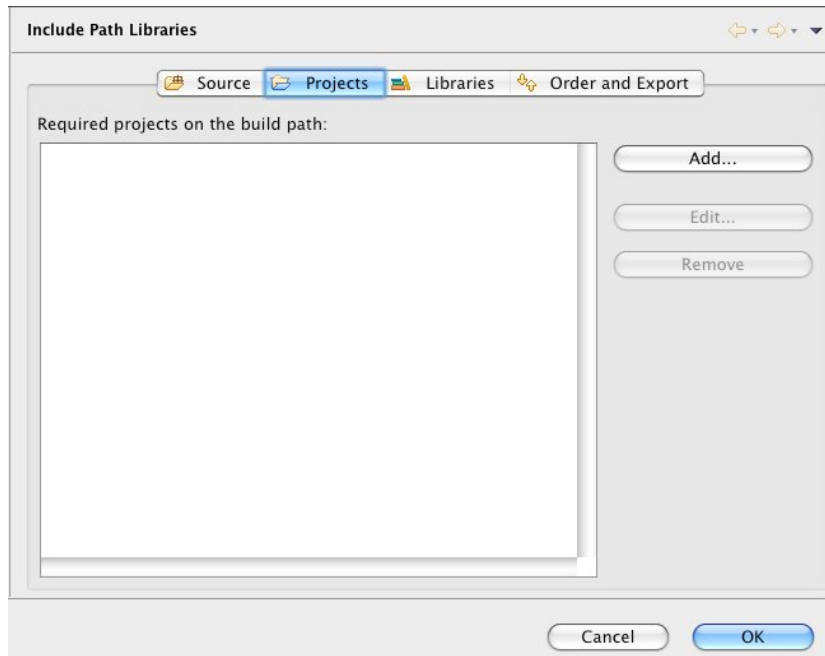| #	Control Name	Description
	Add	Allows entering a pattern for file inclusion/exclusion.
	Add Multiple	Allows choosing existing files from the project to be used as patterns for file inclusion/exclusion.
	Edit	Edits a selected pattern.
	Remove	Deletes a selected pattern.

2.2 Projects tab

2.2.1 Description

In the Required projects on the build path list, you can add project dependencies by selecting other workbench projects to add to the build path for this new project.

Adding a required project indirectly adds all its classpath entries marked as 'exported'. Setting a classpath entry as exported is done in the Order and Export tab.

The projects selected here are automatically added to the referenced projects list. The referenced project list is used to determine the build order. A project is always build after all its referenced projects are built.
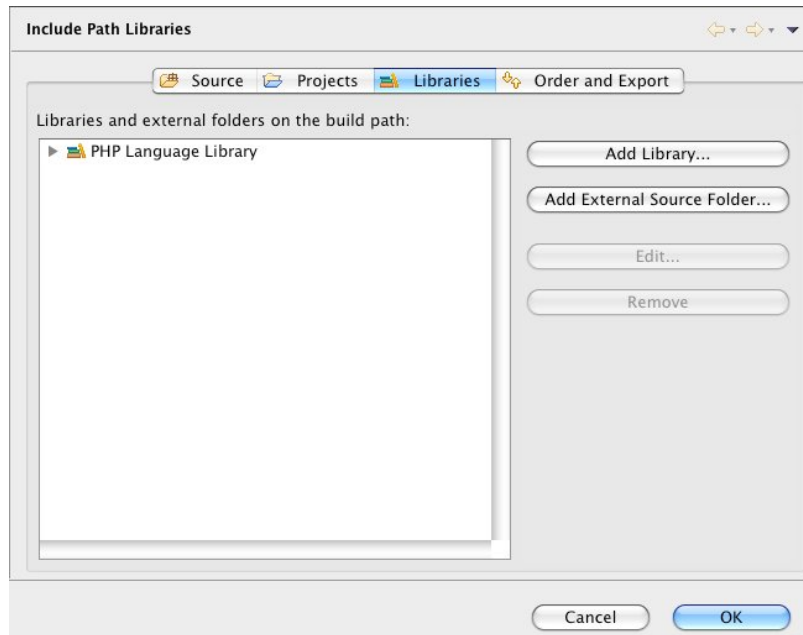
2.2.2 User Interface

#	Control Name	Description
	Add	Add another project in the workspace to the build path of this project.
	Edit	Edit the classpath attribute of a required project.
	Remove	Removes the selected required projects from the list.

2.3 Libraries tab

2.3.1 Description

On this page, you can add libraries to the build path.
By default, the library list contains an entry representing the PHP Language Library.

2.3.2 User Interface

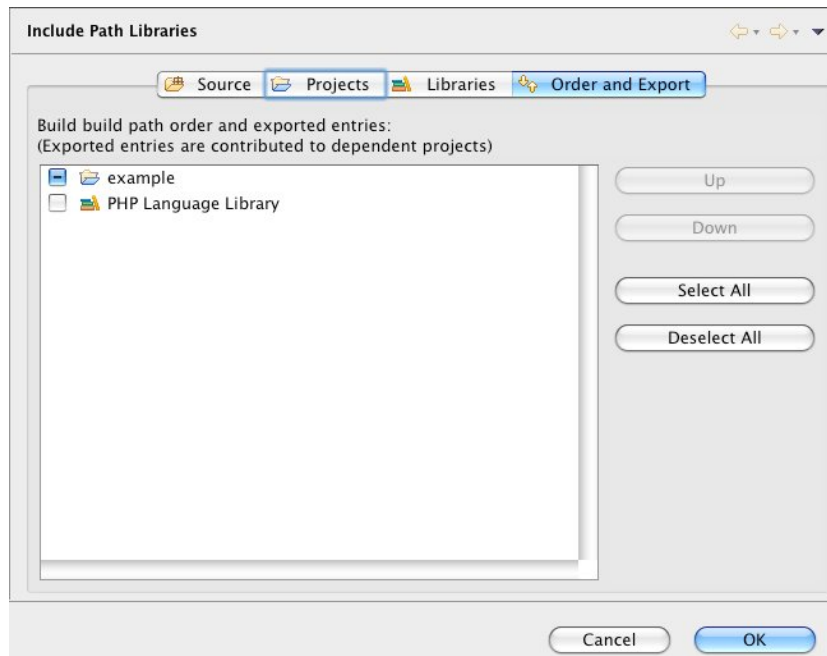| #	Control Name	Description
	Add Library	Allows adding predefined libraries. Such libraries can stand for an arbitrary number of entries (visible as children node of the library node)
	Add External Source Folder	Allows navigating the workbench hierarchy and selecting a class folder for the build path. The selection dialog also allows you to create a new folder.
	Edit	Allows you to modify the currently selected library entry or entry attribute
	Remove	Removes the selected element from the build path. This does not delete the resource.

2.4 Order and Export tab

2.4.1 Description

In the Build class path order list, you can click the Up and Down buttons to move the selected path entry up or down in the build path order for this new project.
Checked list entries are marked as exported. Exported entries are visible to projects that require the project. Use the Select All and Deselect All to change the checked state of all entries. Source folders are always exported, and cannot be deselected.
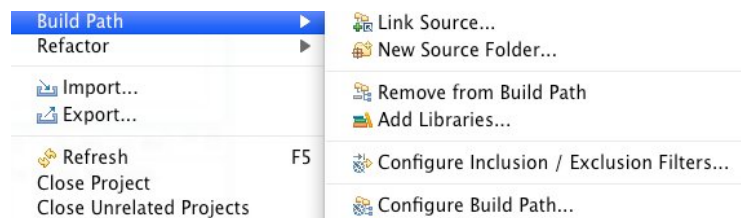
2.4.2 User Interface

#	Control Name	Description

2.5 PHP Explorer View

2.5.1 Description

All the build path pages can be easily accessed through the PHP Explorer view context menu. Options presented vary according to the resource selected.

2.5.2 User Interface

#	Control Name	Description
	Link Source	Add a link to a folder in the file system as source folder to the PHP build path.
	New Source Folder	Add a folder to the PHP build path as source folder.
	Remove from Build Path	Removes the selected folders from the class path. This does not delete the folders or their contents.
	Add Libraries	Allows adding predefined libraries.
	Configure Inclusion / Exclusions Filters	Customize the inclusion and exclusion filters by defining string patterns. It is possible to use wildcard in patters (i.e. to exclude all PHP files which start with "Test" write "Test*.php").
	Configure Build Path	Opens the build path page of the project.

3. Future Development

Currently there is no support for variables in the libraries page.