

INITIAL PREST SETUP AND PARSER MANUAL

Prest works as an executable jar and does not actually require any particular setup process. However, you need to select a workspace in which project folders, parse results and call graph information will be saved. Here are the step by step execution of Prest:

- 1) Click on Prest executable jar, if you are running Prest for the first time, then you will see Figure 1, which prompts you to select the workspace for Prest tool.

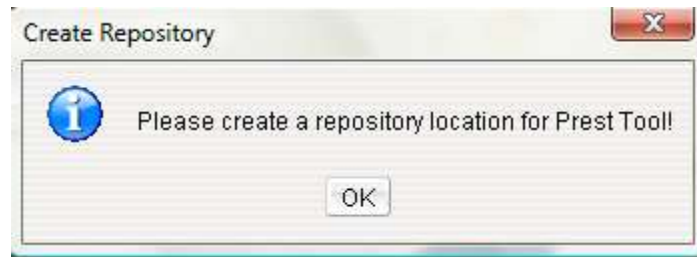


Figure 1. Following this popup, you choose the workspace under which projects will be stored

- 2) Once you select the workspace, Prest GUI will appear as in Figure 2.

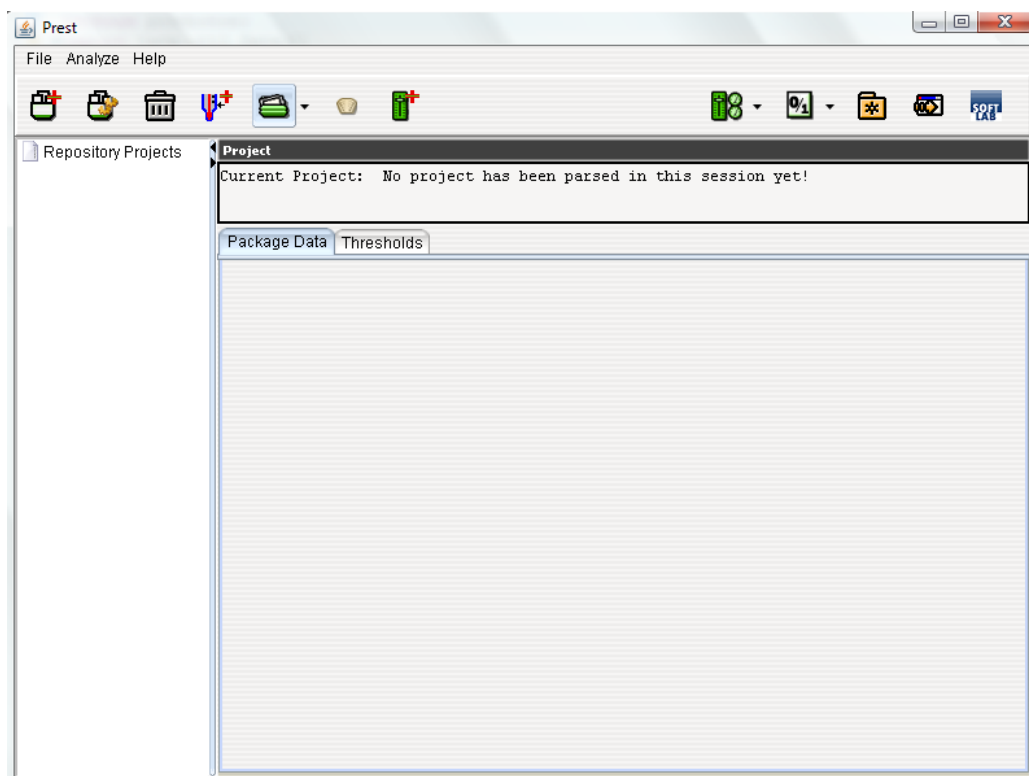



Figure 2. Prest GUI

- 3) To parse a project, we first need to add it to the Prest. To add a project click on the add project icon . Then you will be able to choose the root folder of the project that you want

Prest to parse. Once you click open, you will see the project added to the project directory of Prest.

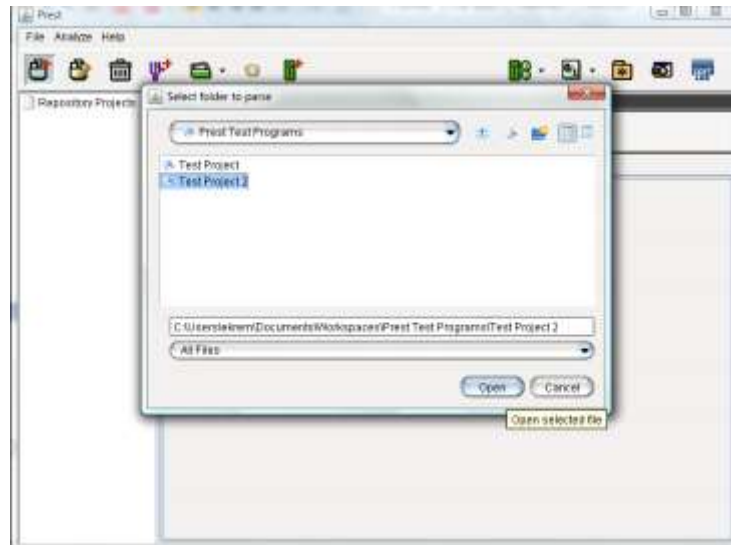


Figure 3. Selecting project root folder

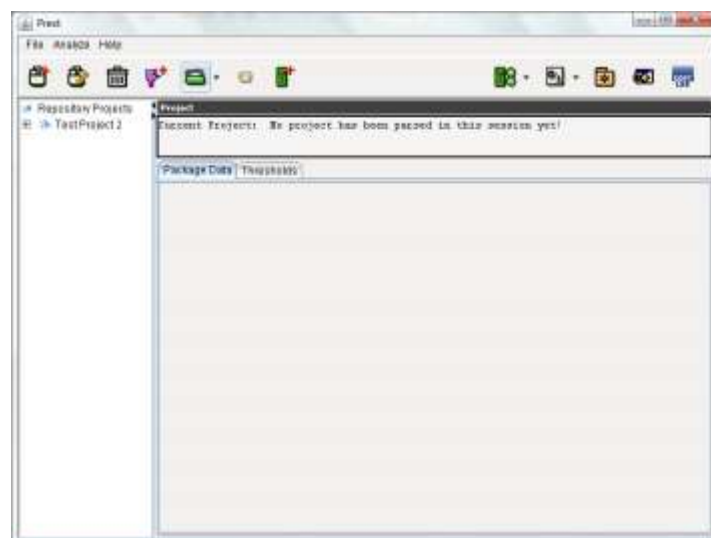




Figure 4. We can see "Test Project 2" under "Repository Projects"

- 4) After adding the project, click on the parse project icon  to start parsing the project.

However, once you press , then a popup window will appear showing you all the recognized languages that are supported by Prest and ask you to select which languages you would like to parse. Initially all the supported languages will be selected, if there are languages that you would like Prest not to parse, then simply unclick them and press continue button. Since there are only Java files in our test project, we will see the popup of Figure 5 for this document.

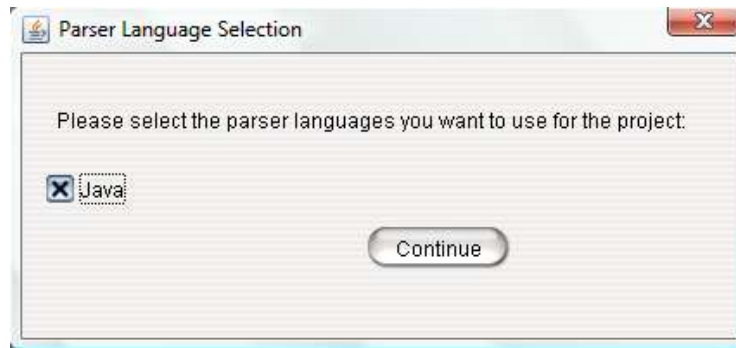


Figure 5. Selecting supported languages

- 5) After selecting languages and pressing continue, parsing operation will start and depending on how large your program to parse is, it may take some time. Once Prest is done with parsing the project, then you will see the popup in Figure 6, which informs you that the parsing was completed successfully.

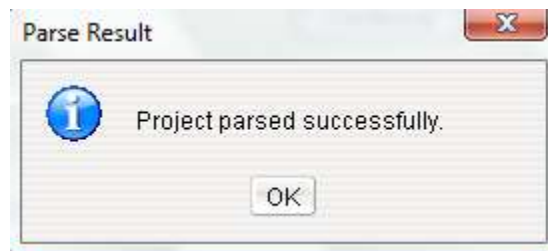



Figure 6. Information that parsing was successful

- 6) Once you click the OK button in Figure 6, the results will be transferred to GUI of prest and all the results we see on GUI will also be saved in the form of *.csv files in the workspace we selected previously under the related project folder.

Prest produces metrics in various granularity levels: Package Metrics, File Metrics, Class Metrics, Method Metrics. However, since the amount of space in GUI is limited only one of them can be shown at a time and by default, after parsing a project we see the package metrics. To see different metrics, click on the select metrics button  and choose the one which you would like to see.

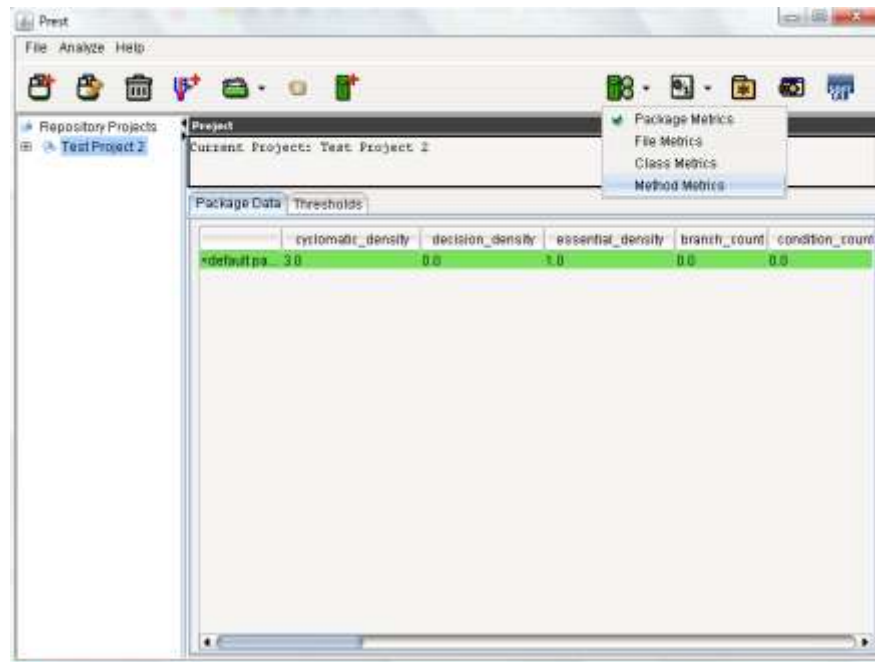


Figure 7. Package metrics on GUI and other available metrics that can be selected via 