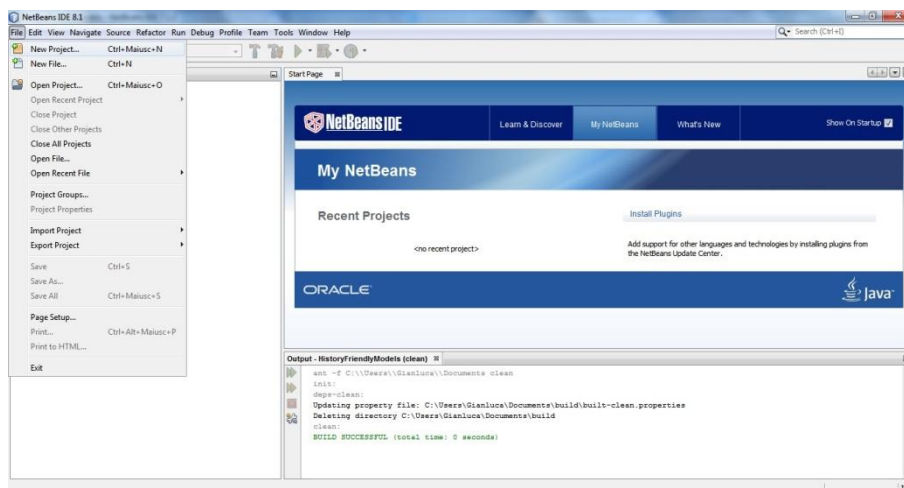


HISTORY FRIENDLY MODELS SIMULATION CODE

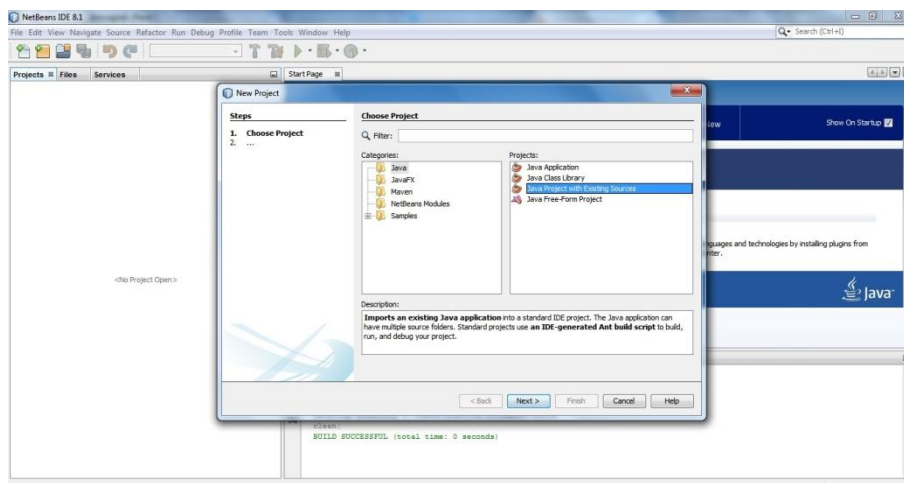
User Manual

The simulation code to run the history friendly models described in the book has been developed using Java SDK 7 and the NetBeans IDE 7.1. The code also runs under the SDK 8 and NetBeans 8.1. You can find the code in the “src” folder included in this zip file. If you are not an experienced Java user, please follow these instructions to run the code:

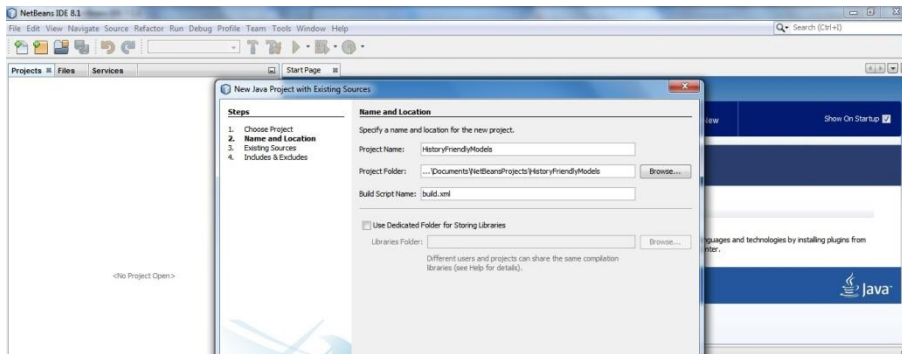
- 1) Download and install Java SDK and the NetBeans IDE. You can download a bundled package from the Oracle website.
- 2) Download the JSC library from the website: <http://www.jsc.nildram.co.uk/>
- 3) Unzip the “HistoryFriendlyModels” file. Please be sure that the internal structure of folders is preserved. You can locate the “HistoryFriendlyModels” folder where you prefer: we suggest to use the folder “NetBeansProjects” which is created by NetBeans IDE upon installation.
- 4) Open the NetBeans Ide.
- 5) Click on “New Project” in the “File” menu.



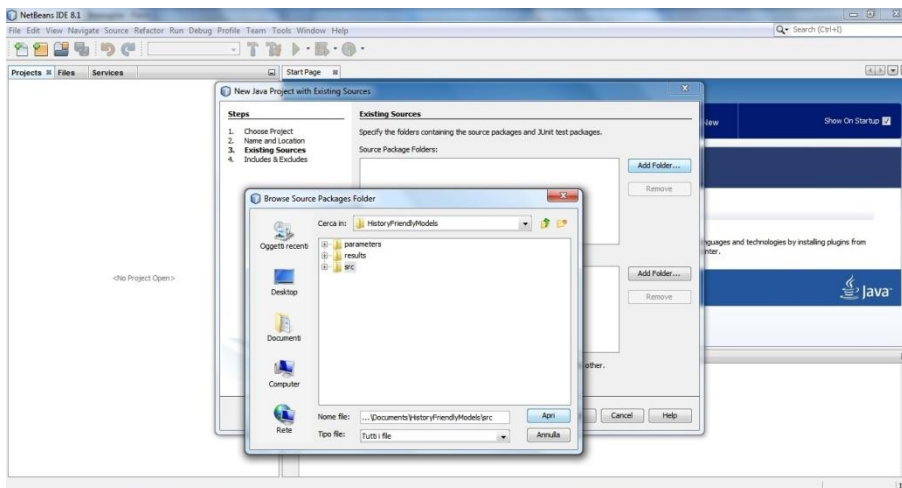
- 6) Select “Java Project with Existing Sources” and click on “Next”



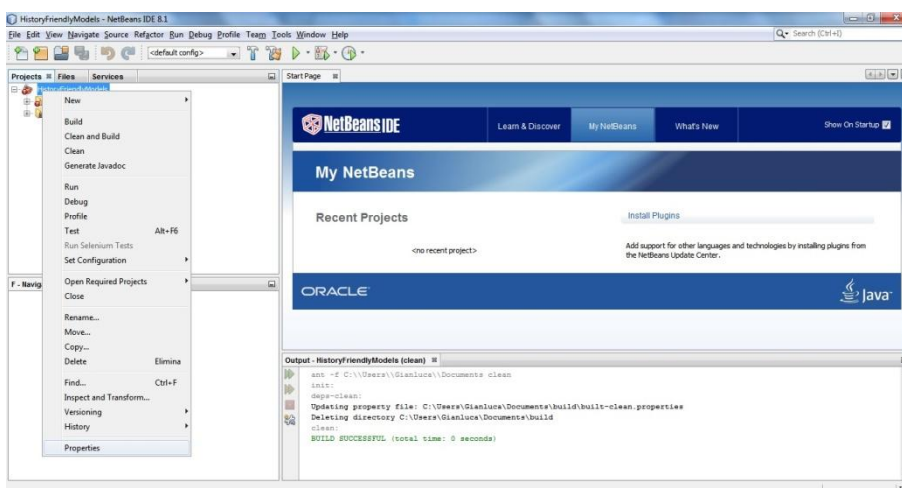
- 7) Insert “HistoryFriendlyModels” as “Project Name” and select the “HistoryFriendlyModels” folder where you extracted the downloaded file as “Project Folder”. Then click on “Next”.



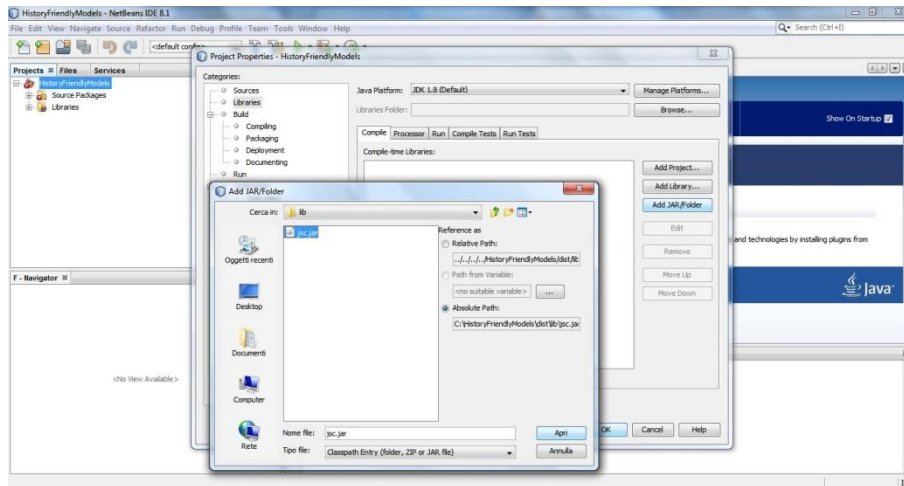
- 8) Click on the “Add Folder” button referring to “Source Package Folders”, and select the “src” folder within the “HistoryFriendlyModels” main folder. Then click on “Finish”.



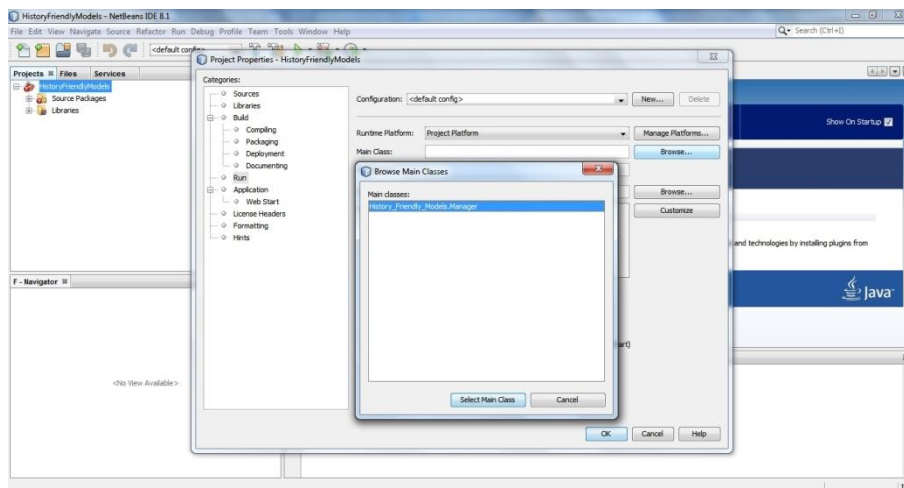
- 9) Before running the code, you need some checks. Right-click on the “HistoryFriendlyModels” project and select “Properties” from the drop-down menu.



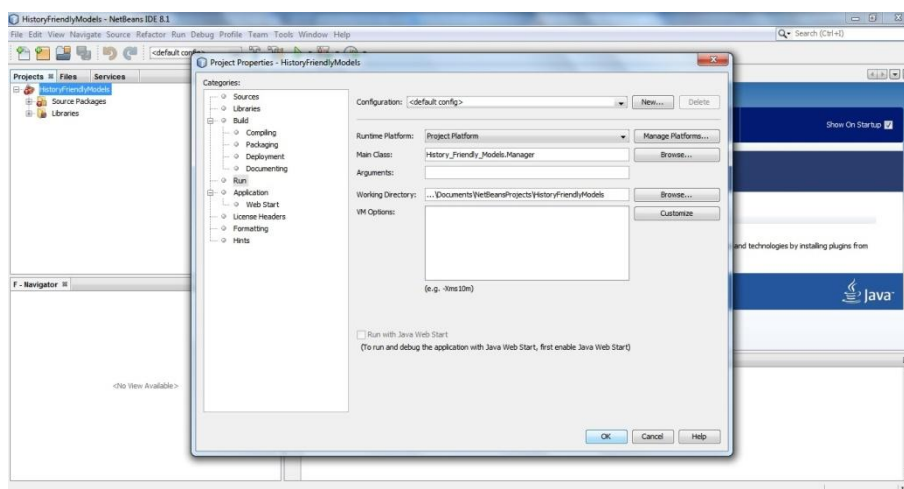
- 10) Select the “Libraries” page and click on the “JAR/Folder” button. Then select the JSC jar file that you previously downloaded.



- 11) Select the “Run” page and then click on “Browse” next to “Main Class”. Select the “Manager” class as “Main Class”.



- 12) Select the “HistoryFriendlyModels” folder as “Working Directory”. This is absolutely necessary to have the parameters file read and the results file saved correctly.



- 13) Now the code is ready to be used. Follow the instructions within the code that will guide you through the logic of the models. To run the code, you can simply click on the green button Run Main Project. Before doing that, please read carefully the Manager Class.

- 14) You will find the results in the “results” folder corresponding to the model you are using.
Notice that previous results will be overwritten when running a new simulation.