

GRAMMAR BASED VERIFICATION

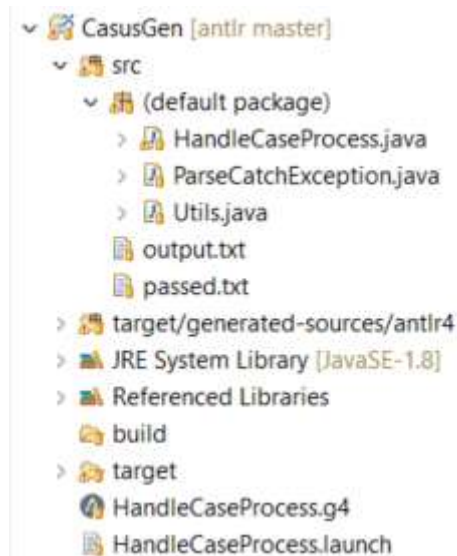
Prerequisites

- Eclipse Modeling Tools Version: Neon.2 Release (4.6.2)
(<https://www.eclipse.org/downloads/packages/release/Neon/2>)
- ANTLR 4.7.1: parser generator. (www.antlr.org)
- Apache Commons JXPath 1.3 (<https://commons.apache.org/proper/commons-jxpath/>)

The output of BPEL2CFG, BPEL2CFG2 and BPEL2DCG is used to create a parser, test cases and perform parser verification.

Steps

1. Import project VERIFYCFG/CasusGen. HandleCaseProcess.g4 contains the ANTLR grammar generated by BPEL2CFG. HandleCaseProcess.java contains the test cases generated by BPEL2CFG2 and BPEL2DCG.



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- The screenshot shows an IDE interface with a project structure on the left and a 'New' context menu open in the center. The project structure includes folders like 'target/generated-sources/antlr4', 'JRE System Library [JavaSE-1.8]', 'Referenced Libraries', 'build', 'target', and files like 'HandleCaseProcess.g4' and 'HandleCaseProcess.launch'. The 'New' menu is open, showing options like 'Open', 'Copy', 'Paste', 'Delete', 'Import...', 'Export...', 'Run As', 'Debug As', etc. The 'Run As' option is highlighted.