

REDSEEDS TUTORIAL

REDSEEDS – REQUIREMENTS-DRIVEN SOFTWARE DEVELOPMENT SYSTEM

TABLE OF CONTENTS

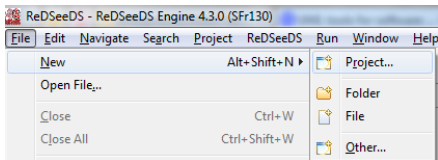
1. Getting started	2
1.1 Creating a New Project.....	2
1.2 Creating a Requirements package.....	3
1.3 Creating a Use Case	3
1.4 Creating a Basic scenario.....	3
1.5 Creating a SVO Sentence.....	3
1.6 Creating a condition Sentence and forking A scenario	4
1.7 Creating a Alternative scenario	4
1.8 Creating a Notions Package.....	4
1.9 Creating a new Notion	4
1.10 Creating a Notion’s attribute	5
2. Parts of speech and terminology	6
2.1 Marking parts of speach.....	6
2.2 Adding a Actor.....	6
2.3 Adding a System Element.....	6
2.4 Assigning Senses - Automatic.....	7
2.5 Assigning Senses - Manual	7

1. GETTING STARTED

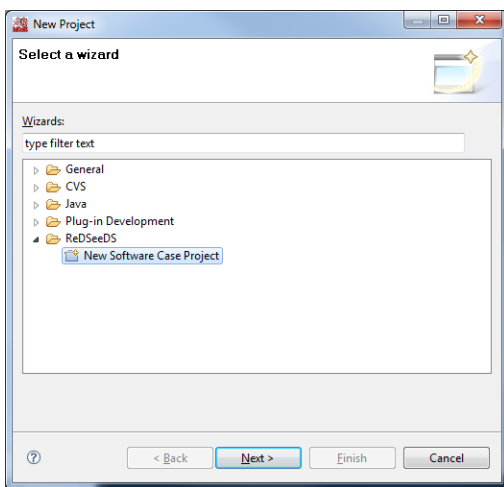
1.1 CREATING A NEW PROJECT

To create a new project:

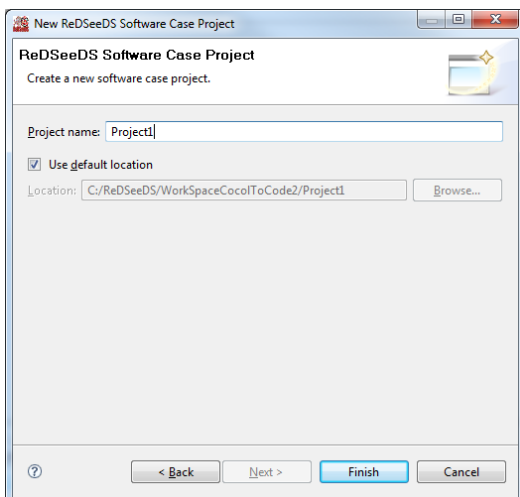
- a) Select **"File -> New -> Project"** option from main menu.



- b) Select **"ReDSeeDS -> New Software Case Project"** in the and click **"Next"**.

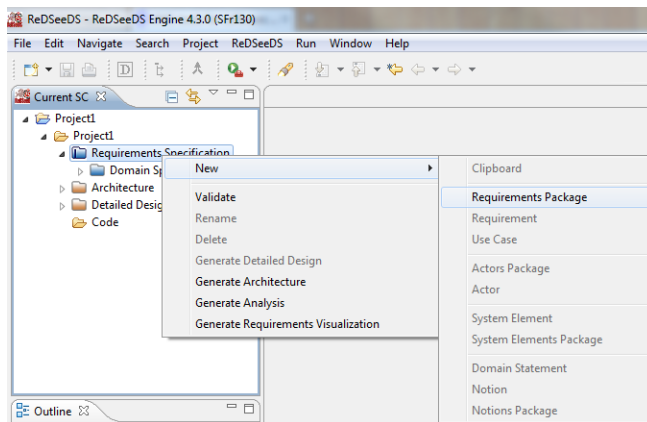


- c) Fill **"Project name"** field and click **"Finish"** button.



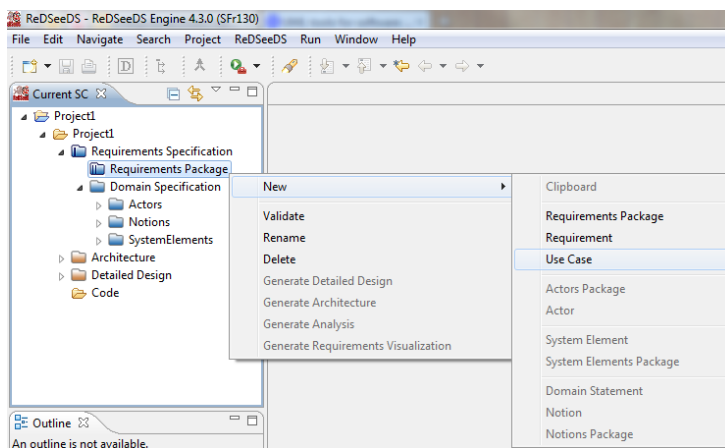
1.2 CREATING A REQUIREMENTS PACKAGE

To create a new requirements package right-click on **Requirement Specification** package or any other existing requirements package and select **“New -> Requirements Package”** from context menu.



1.3 CREATING A USE CASE

To create a new use case right-click on any requirements package and select **“New -> Use case”** from context menu.




1.4 CREATING A BASIC SCENARIO

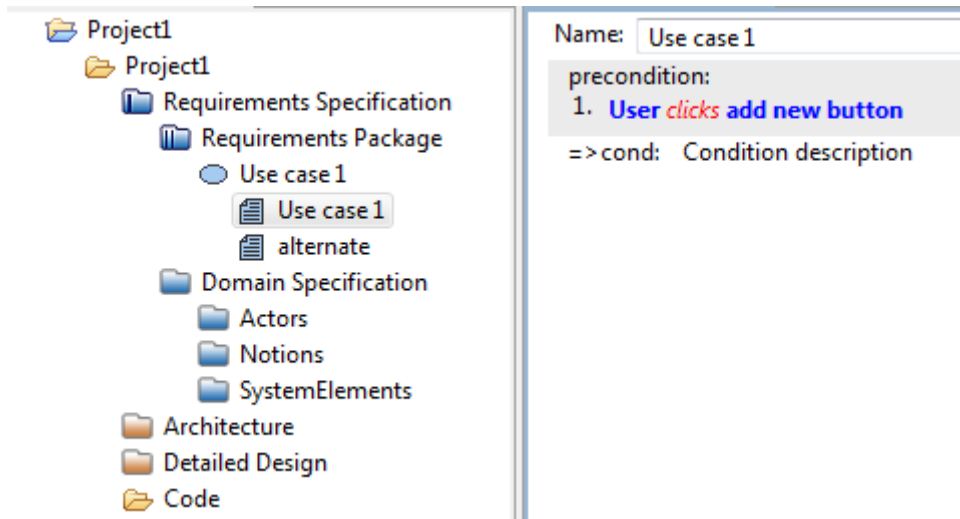
A basic scenario for a use case is created automatically when the use case is created.

1.5 CREATING A SVO SENTENCE

To add a new SVO sentence to scenario select **„Create SVO sentence”** button . A scenario must be opened to make this button visible/active.

1.6 CREATING A CONDITION SENTENCE AND FORKING A SCENARIO

To add a new condition sentence to scenario select „**Fork scenario**” button . An alternative scenario will be automatically created after saving the scenario (shortcut: **CTRL+S**).



1.7 CREATING A ALTERNATIVE SCENARIO

Check “1.6 Creating a condition sentence and forking a scenario”

1.8 CREATING A NOTIONS PACKAGE

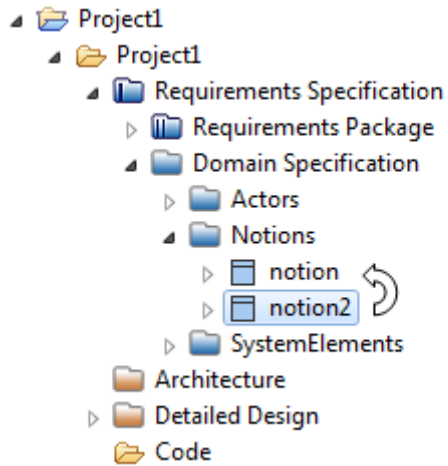
To add new notions package right-click “**Notions**” package (in **Domain Specification**) or any existing notions package and select “**New -> Notions Package**” from context menu.

1.9 CREATING A NEW NOTION

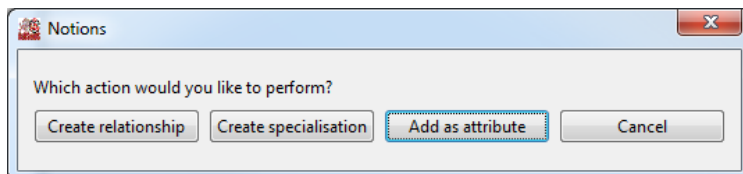
To create a new notion right-click on notions package and select “**New -> Notion**” from context menu.

1.10 CREATING A NOTION'S ATTRIBUTE

To add an attribute to a notion drag & drop one notion on another in the project browser.



When asked which action to perform select **“Add as attribute”** option.



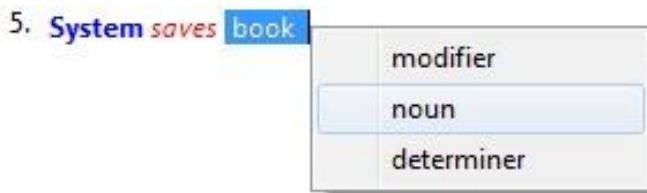
2. PARTS OF SPEECH AND TERMINOLOGY

2.1 MARKING PARTS OF SPEECH

ReDSeeDS supports only SVO (Subject–verb–object) and SVOO (Subject–verb–Direct object–Preposition–Indirect object) sentences.

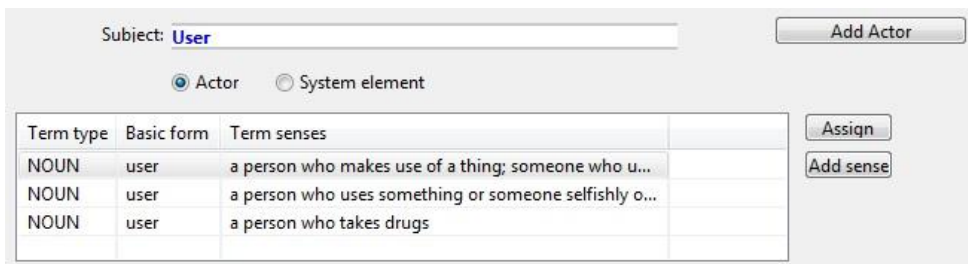
To mark a part of speech in a sentence right-click on at the of the word (or a phrase) you want to mark and select proper option from the context menu.

The other way of marking parts of speech is selecting a part of sentence by pulling mouse through and then right-clicking on the selection.



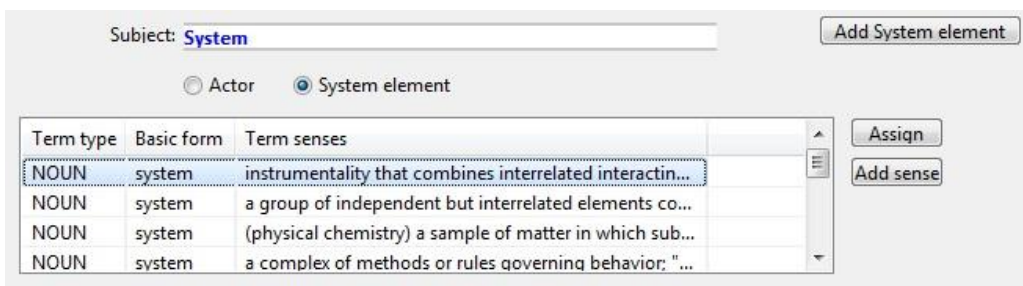
2.2 ADDING A ACTOR

Actor is created automatically when a sense is assigned to it. To assign the sense for the actor double-click noun representing actor, select **“System element”** radiobutton and click **“Add Actor”** button in **“DomainStatementEditor”**.



2.3 ADDING A SYSTEM ELEMENT

System element is created automatically when a sense is assigned to it. To assign the sense for the system element double-click noun representing system element, select **“System element”** radiobutton and click **„Add System element”** button in **“DomainStatementEditor”**.



2.4 ASSIGNING SENSES - AUTOMATIC

When all parts of speech are marked, double click the sentence to open “**DomainStatementEditor**” tab. Use the “**Add all**” button to automatically assign sense to all elements and create notions (in “**Domain Specification**”) with phrases. Direct and indirect objects is transformed into notions and noun phrases into phrases associated with the notions.

The screenshot shows the "DomainStatementEditor" interface. At the top, the "Predicate" field contains "displays book details window" with an "Add all" button to its right. Below this, three input fields are shown: "Direct object: book details window", "Noun phrase: book details window", and "Simple verb: displays book details wind". Each field has an "Add" button. Below these fields is a table with three columns: "Term type", "Basic form", and "Term senses". The first row contains "NOUN", "book det...", and "book details window". To the right of the table are "Assign" and "Add sense" buttons.

2.5 ASSIGNING SENSES - MANUAL

To manually assign the sense for the any part of speech in the sentence double-click it to display the “**DomainStatementEditor**” tab, then select an element from element from “**Predicate**” field and select a sense from the “**Available sense list**” in “**DomainStatementEditor**” using „**Assign**” button. After assigning sense to all elements use the “**Add all**” button to automatically add notions (created in “**Domain Specification**”) with phrases. Direct and indirect objects is transformed into notions and noun phrases into phrases associated with the notions.

This screenshot is identical to the one in section 2.4, showing the "DomainStatementEditor" interface with the same fields and table.

If the “**Available sense list**” is empty use „**Add sense**” button to create a new sense.

The screenshot shows a dialog box titled "Add new sense". It has a close button (X) in the top right corner. The dialog contains the following fields and controls:

- "Word's base form:" text input field containing "book".
- "Part of speech:" dropdown menu with a list of options: Adjective, Adverb, Cond. conjunction, Determiner, Noun (highlighted), Preposition, and Verb.
- "Enter sense:" text area containing the text "A set of written, printed, or blank pages fastened alor between protective covers." (Note: "alor" appears to be a typo for "along").
- "Add sense" and "Cancel" buttons at the bottom.