

# CamilleX Documentation

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None

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# 1. CamilleX User Manual

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**CamilleX** new constructs (called `XMachines` and `XContexts`) for `Event-B` modelling. The new constructs are text files which are automatically translated into the corresponding `Rodin`'s `Event-B` constructs (i.e., `Machines` and `Contexts`) accordingly. Facility for translating to and from `Rodin`'s components to `CamilleX` components can be invoked manually. `CamilleX` is inspired by `Camille` text editor for `Rodin` and is based on `XText` technology, hence the name `CamilleX`.

## 2. Getting Started

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### 2.1 Installation

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[CamilleX](#) is available from the main Rodin update site (under [CamilleX](#) category). There are two versions of the feature, the standard version for users and the SDK version for software developers which include source code.

### 2.2 Configuration

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Windows users must change the workspace text file encoding to *UTF-8*. This can be updated under the `Rodin Preferences` `General/Workspace` then in the `Text file encoding` section, select Other: `UTF-8`.

### 2.3 IMPORTANT

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Currently, *CamilleX* not only supports *standard* Event-B machines and contexts, but also supports *Machine Inclusion* (for composition), and *Record* extension to the Event-B modelling language.

Since the *XContexts* and *XMachines* are compiled to the Rodin files, the corresponding Rodin contexts and machines will be **OVER-WRITTEN**. Any changes in the Rodin files will not be lost.

**DO NOT USE** the *CamilleX* if you use modelling plug-ins that use the Rodin files as source such as *UML-B* state-machines and class-diagrams, as the additional modelling elements will be over-written.

This tutorial provides a step-by-step walk-through working with CamilleX constructs.

## 2.4 Task 1. Create an Event-B Project

**Introduction** The purpose of this task is to create an Event-B project for the CamilleX constructs.

### 2.4.1 Step 1. Create a new Event-B Project

Create a new Event-B Project named `Club` using the `New Event-B Project` wizard (see the following figure).

