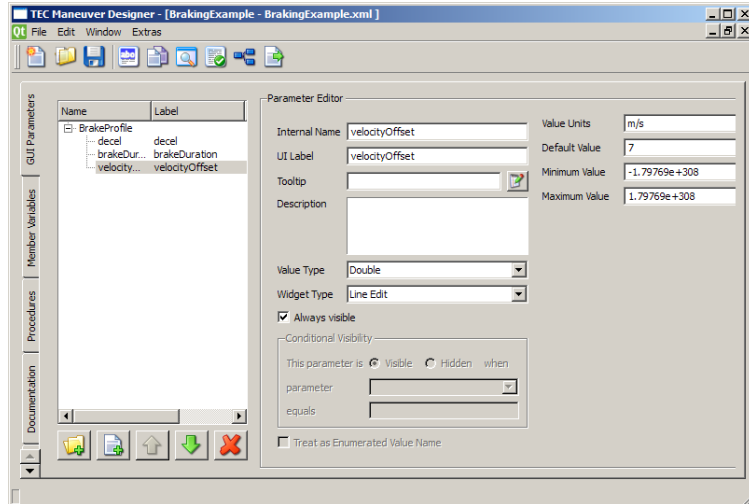


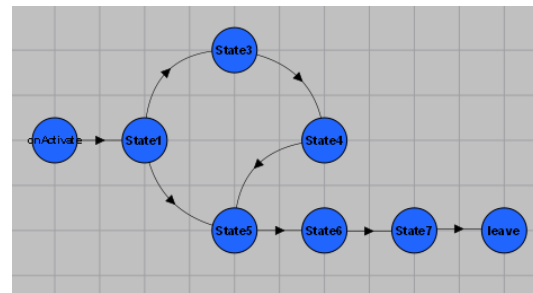
**Maneuver Designer™** is Realtime Technologies, Inc.'s newest product enhancement for streamlining SimVista scenario design.

Maneuvers are a new approach from RTI for conditionally executing JavaScript code during the course of a simulation run. The Maneuver Designer is a development environment that allows users to create Maneuvers that can then be exported as Object Gallery objects in SimVista. The Maneuver Designer is capable of outputting the VRML, JavaScript, and HTML as needed.

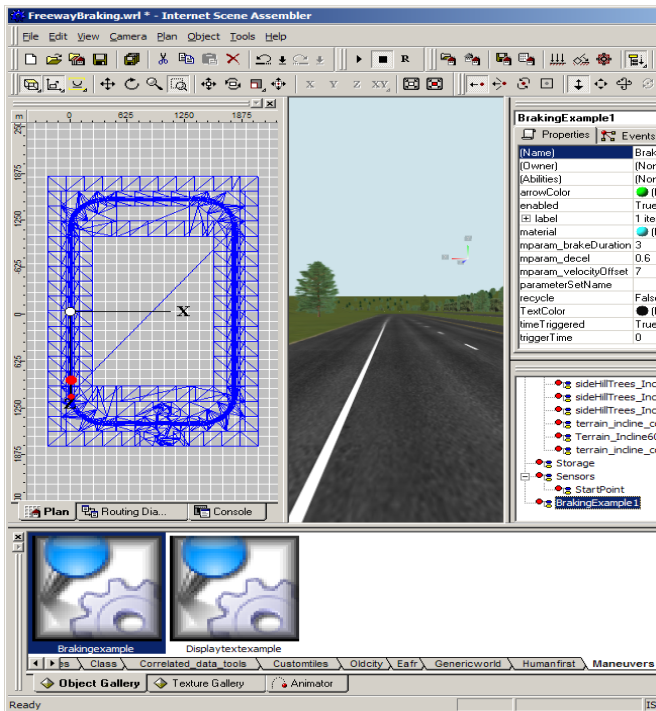
Once in SimVista you can place instances of maneuvers and configure them to be either time triggered or position triggered. Once these triggers are placed you then have full control to edit all of the parameters within the maneuver. Maneuver Designer works with version 2.34 of SimVista and SimCreator. Maneuvers are the combination of Proximity and Time sensors with the addition of a built-in state machine mechanism. Because Maneuvers act like either a Proximity sensor or a Time sensor they can be configured to trigger when either the subject vehicle crosses a particular location on a road or after a certain amount of time has passed since the start of the simulation. Once triggered, a maneuver will continue to execute until its exit conditions are met.



RTI's Maneuver Designer



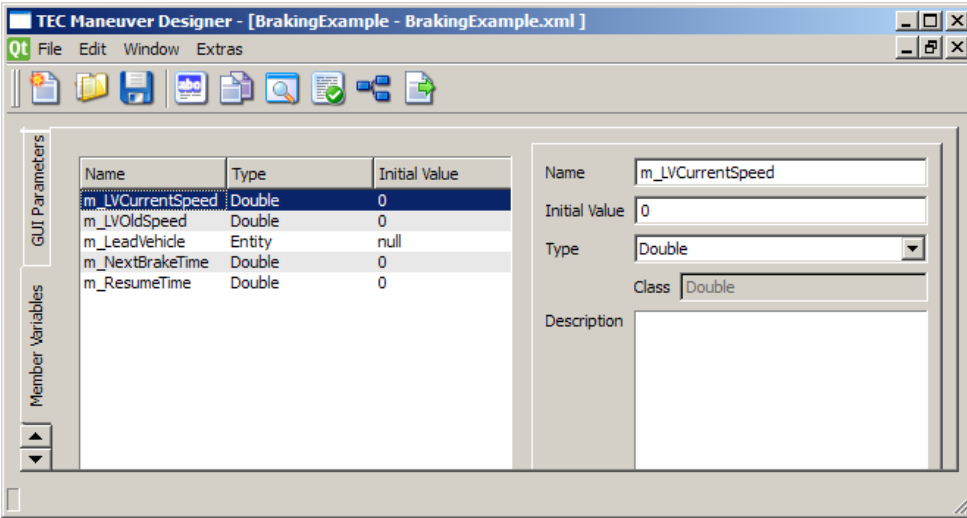
Automatically Generated State Diagram



Maneuver scripts are readily available in the object gallery and easily placed.

## features

- Straight forward interface makes it simple to declare and use functions and variables without having to worry about JavaScript declaration and initialization syntax.
- Robust static syntax checking which catches many JavaScript errors that would otherwise not be found until runtime.
- User-configurable syntax coloring and formatting makes it easier to develop JavaScript code.
- Context sensitive floating tool tips show the call signature for JavaScript functions, reducing the need to consult the JavaScript API documentation.
- Auto-completion of variable names and functions speeds development time by reducing the possibility of mistyping identifier names.
- WYSIWYG documentation editor creates accompanying documentation for both Maneuver maintainers and end-users.
- A state machine editor allows one to visualize the logical flow of Maneuver Designer.
- The complete RTI Scenario JavaScript API is understood by the Maneuver Designer.
- User-created JavaScript libraries and classes can be easily added to the Maneuver Designer.

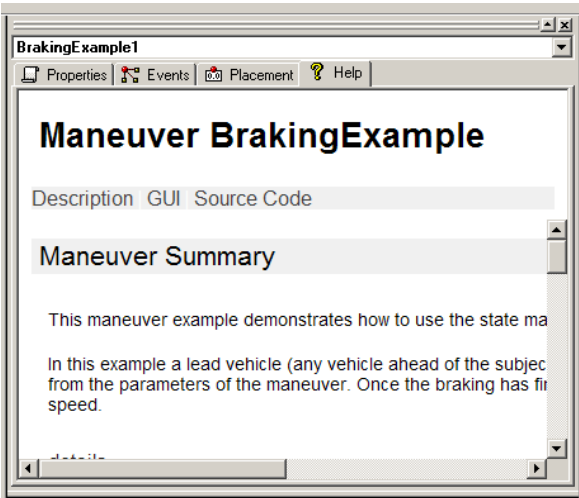
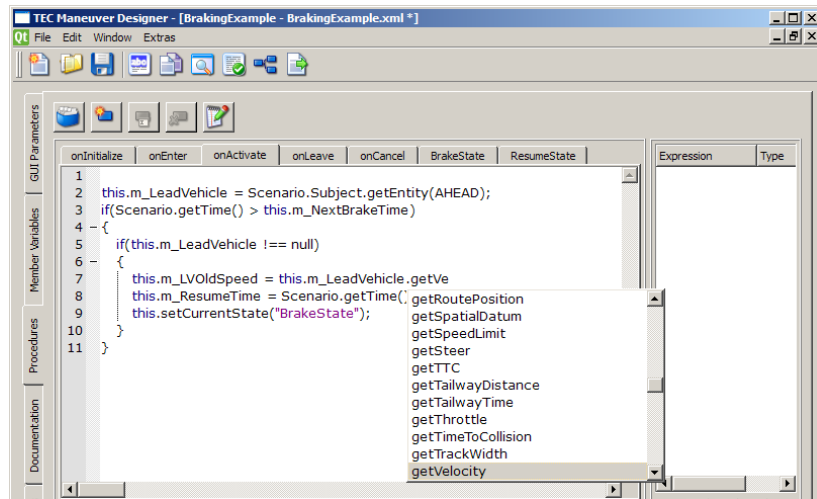


**Parameter Editor**

The Maneuver Designer allows the user to define variables that are used internally to the maneuver. These variables are assigned types and default values, making it possible for the Maneuver Designer to perform some static type checking. The result is fewer run-time errors because many common problems can be detected.

**JavaScript Editor**

The Maneuver Designer includes a rich JavaScript development environment, with user configurable syntax coloring, auto-completion and function signature tooltips that decrease development time by eliminating the need to remember the name and arguments of JavaScript API functions and keywords. Also, a robust static analyzer catches common programming errors without having to execute the code, further reducing the development time.



**Help Files**

The Maneuver Designer automatically creates HTML help files for use in SimVista. These help files describe the maneuver itself and any parameters required.

scenario control system



SimVista

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Realtime Technologies, Inc. (RTI), specializes in real time multibody vehicle dynamics, and graphical simulation and modeling. We offer simulation software applications, consulting services, custom engineering, software, and hardware development. Realtime Technologies' customer base includes international, government and private entities. RTI was founded in 1998. For more information, visit us at www.simcreator.com.