

## Program Description

ScenIC View is an interactive scenario editing tool for creating and modifying scenarios developed using the ScenIC methodology. ScenIC is a requirements determination method intended to support mission-oriented system evolution. ScenIC requirements are described in terms of mission goals, potential obstacles to those goals, and the actors responsible for accomplishing them. Actors include both system components and environmental actors, including users, organizations (including those hostile to the mission), physical systems and devices, external software systems, and the natural environment. In ScenIC, there are two complementary descriptions of a system: semantic descriptions and episodic descriptions. The emphasis placed on each is affected by the objectives of the design team and the criticality of the system. *Semantic* descriptions consist of a collection of goal, action and obstacle descriptions. Detailed descriptions of the goals allocated to the system therefore form a standard black-box requirements specification. *Episodic* descriptions are collections of scenarios of intended system behavior. Unlike semantic descriptions, these are highly concrete and context-rich, but their parts (episodes) are directly related to the goals and obstacles of the semantic description. The "Inquiry Cycle" of the name ScenIC comes from the incremental process of raising and addressing issues or questions during the requirements elaboration process. At any time, many issues may have been raised but not yet resolved or resolved but not yet acted on. This temporary status information collectively provides a third, tentative body of information about the system.

## Program Features

ScenIC View is a way for software engineers to build ScenIC scenarios and manipulate them in a user-friendly and intuitive environment. The capabilities of ScenIC View include:

- Browsing and editing episodic information, including scenarios and actions within scenarios
- Browsing and editing semantic information, including actors, objectives, and obstacles
- User generated annotations for both episodic and semantic information
- Automatic generation of annotations based on ScenIC guidelines (limited support in this release)

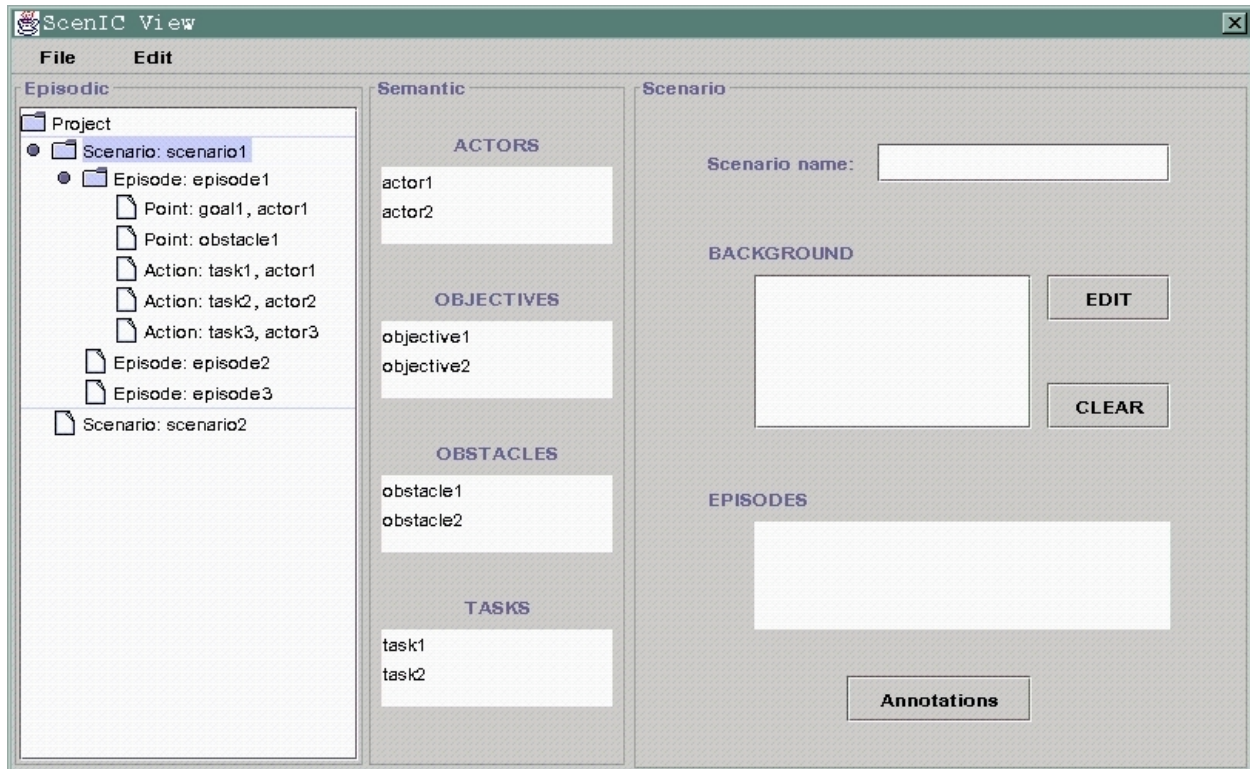
## MORALE

ScenICView supports the Mission Oriented Architectural Legacy Evolution (MORALE) reengineering process. ScenIC View contributes to this objective by more thorough analysis and validation of new requirements and the recording of mission-oriented decision rationale.



## ScenICView Sample Screen

The screen shot below shows ScenIC View in use. The frame on the left shows hierarchically organized episodic information, including scenarios and elements of the scenarios. The middle frame shows semantic information about the system including a list of actors and objectives. Finally, the right-most frame is used for providing details for the objects listed in the other frames. The Annotations button lets the user view and edit reminders and issues concerning the displayed elements.



### Availability

ScenIC View is available for downloading at <http://www.cc.gatech.edu/morale/tools/>.

### System Requirements

ScenIC View requires the Java Development Kit, version 1.2 which can be downloaded directly from Sun Microsystems at <http://java.sun.com/products/jdk/1.2/>. ScenIC View runs under an operating system which supports this environment, including Windows 95/98/NT and Solaris.

### Contact Information

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**Georgia Institute of Technology**