# Functional requirements and design specifications for GLIF authoring tool

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# Functional Requirements

## For guideline author

**Usability**

- Simplicity and ease of use
- Does not require too much time to write a guideline
- Can be supported by drag-and-drop, “wizards”, etc.

**Major features**

- Allows development of guidelines at multiple levels of abstraction (at least A & B in first version) with clear separation of abstraction levels
- Supports authoring of different types of guidelines: screening, disease management, etc. using templates or *macros*
- Allows verification and validation of guidelines for completeness, consistency, accuracy, etc.
- Capable of providing multiple displays of the guideline, e.g., flowchart, timeline
- Allows version management of a guideline

**Interfaces to other systems**

- Capable of retrieving guidelines from and storing guidelines to different locations: servers and file system
- Allows selecting concepts and data models from external vocabulary system
- Support for selection of subguidelines from a library/server
- Allows enactment/execution of guideline for testing purposes

**Advanced features for guideline development by committee**

- Allows development of guidelines collaboratively (by committees)
- Supports review and update process

## For authoring tool developer

- Extensibility and integration with other applications through API

- Easy to update for new versions of GLIF

## Use Cases

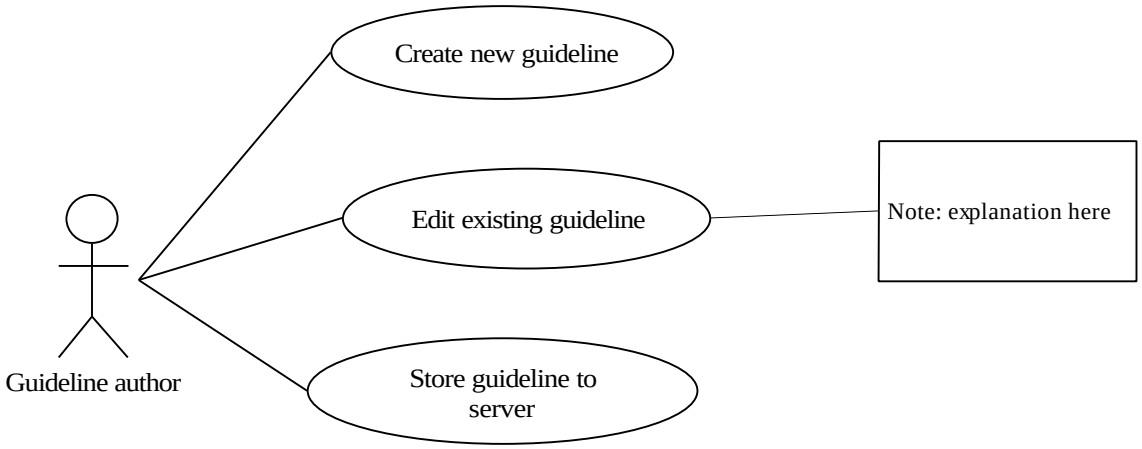


Figure 1. Use case for guideline authoring. PLACE-HOLDER, IGNORE FOR NOW.

## Phased implementation timeline

To be done

# Design Specification

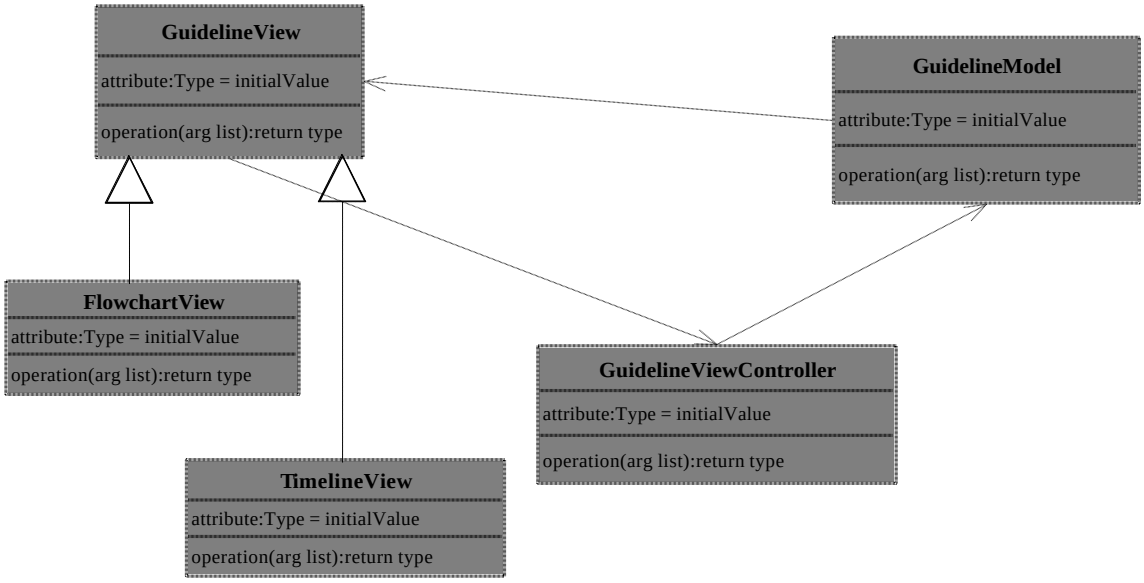


Figure 2. Object model. PLACE-HOLDER, INCOMPLETE.