

Model-Integrated Computing: Mini-project 1

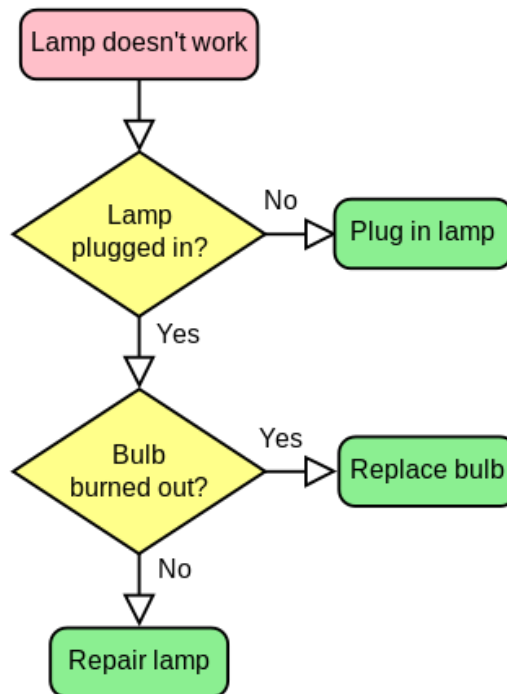
Simple Flow Chart

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Flowchart:

First, we should clear about the definition of flowchart. By referring Wikipedia, a flowchart is a type of diagram that uses an algorithm, workflow or process, showing the steps as boxes of various kinds, and their order by connecting them with arrows. This diagrammatic representation illustrates a solution model to a given problem. Flowcharts are widely used in analyzing, designing, documenting or managing a process or program in various fields.

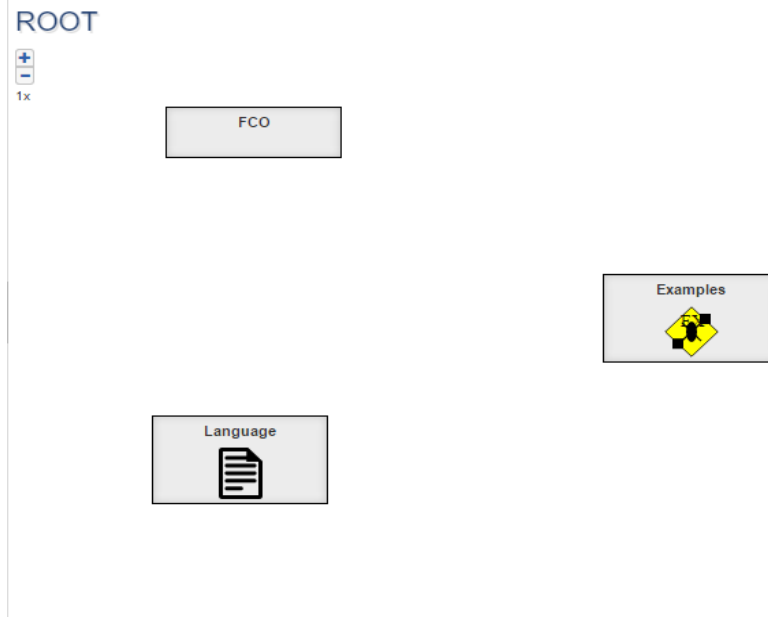
Here is an example:



Now, In the mic-webgme server, we can generate a new Simple Flow Chart project with an empty seed. After you generate the project successfully, you can create the basic composites about this project.

The Root:

After creation the basic composites, you can see the following image of the root composition:



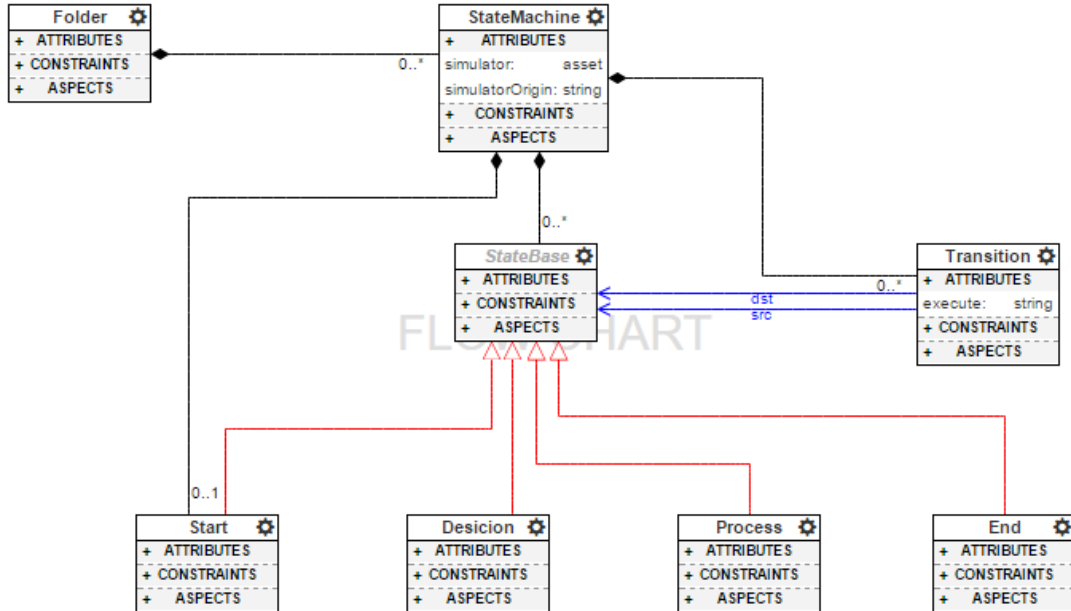
MetaModel Composition:

In our composition, the flow chart project have eight composites shown below:



MetaModel Meta:

This is the meta model of the simple flow chart. The flow chart contains of an interface which is composed of four parts: start, end, process and decision. And the transition here is just like the execution flow in the real programming running:



Example:

This example is the flow chart shown at the beginning of this report but drawn using Webgme tool:

