Management diagram

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The Management\_Diagram is a graphical representation of the CDS algorithm. It consists of classes in the Mangement\_Algorithm\_Entity:

* Scenario (widget) class
* Choice\_Step or Case\_Step (widgets) classes
* Action\_Choice (widget) class

Scenarios are mutually exclusive; patients flow through only one "top level" (more on this later) Scenario. Control of flow through particular Scenario(s) are via Preconditions. Each Scenario can have a "Consultation Template", that are diagrams/algorithms in themselves that have their own Consultation\_Action\_Step and Consultation\_Branch\_Step (more later). Examples of Scenarios

* No drug therapy
* One drug therapy

Etc

Choice\_Step follows Scenario, and there are multiple branches from it that lead to Action\_Choice (s).

Action\_Choice delineate actions that are members of the Action\_Specification class, that include, Message, Order\_TestProcedure, Referral, etc.

An Action\_Choice -must- be preceded by a Choice\_Step or a Case\_Step.

A Scenario can be followed immediately by a Scenario, and has been used to trigger a Consultation Template.

Choice\_Step vs Case\_Step:

* Choice has multiple output branches; Case has only two
* Case requires an expression that is evaluated (true or false) that determines which of the 2 branches is selected

Consultation Template aka Consultation\_Guideline\_Entity class