Event:

[revert to pre-schedule state]

State Schedule Prepared

The schedule has been initialized so that the user starts off with a blank schedule. If temporary values are found, they can be restored or deleted; that is out of scope for this diagram.

Substates

State Acceptance

When a resource is accepted as it is placed in a valid position, it is written to a temporary value in memory which is routinely saved to the backend.

Transition links

to State Modification

Event:

[show resources]

to **State** Completion

Event:

[finalize resource]

StartState ActionsEnabled

At this start point, the user is allowed to perform some actions on the blank schedule.

Transition links

to State Modification

Event:

[show resources]

State Completion

The user requests the schedule as complete. The temporary object is saved to the backend, temporary value is deleted, and user begins the implementation process if they have permissions to.

Transition links

to State Post-Initialization

State Modification

A resource that is available to place on the schedule can be added, edited, or removed.

Transition links

to State Validation

Event:

[set resource to template]

State Validation

Has a resource been applied when it is not available or sufficient for a task? Any modification that goes against the set of rules that apply to a schedule are undone and not saved.