**Use Case:** Plant Growth

**Id**: 1

**Level:** High

**Description**

The user selects the various parameters required for the plants to grow and clicks on “Start Growth” button to let it grow till the defined number of generations.

**Actor(s)**

Simulation Administrator

Simulation Supervisor

**Stakeholders and Interests**

Simulation Supervisor

**Pre-Conditions**

* A rule is selected
* Number of generations are defined

**Trigger**

The operation is triggered by the “Start Growth” button after rule selection.

**Post Conditions**

Success end condition

Simulation is completed when the defined number of generations are covered.

Failure end condition

The selected rule does not allow the complete growth.

Minimal Guarantee

The simulation successfully completes growth till the maximum number of generations with the default rule.

## Main Scenario

1. Add new rule for plant growth (optional)
2. Select a rule for plan growth from the dropdown
3. Select the number of generations you wish to grow
4. Click on “Start Growth” button to start the simulation
5. Click on “Pause” button to pause and evaluate the results
6. Click on “Reset” button to reset and simulate a new growth.

## Alternate Scenarios

1. Only either of Start Growth and Pause buttons will be enabled at a time.