**Use Case UC1: Project predictions in a graph**

**Primary Actor:** Policy Maker

**Precondition:** A mathematical formula is selected

**Post condition:** Predictions are projected in a graph

**Main Success Scenario:**

1. User starts system
2. User enters time period in years.
3. System selects animal species from the species list
4. System calculates the population of the animal species for each year in the number of years specified using the selected mathematical formula
5. System plots population values on graph for each year and connects the points with a line

*System repeats step 3-5 until the populations for all animal species have been*  *calculated*

1. User closes system

**Extensions:**

2. Invalid input (e.g. number is negative or number is too large):

1. System rejects entry and informs user to enter a valid number