**Stakeholders:**

1. Client – Staatsbosbeheer **(Forestry Service)**
2. Users – Policy makers
3. Admin – Employee of the client
4. Dev team – Group 2

**Feature list with explanations/user stories:**

1. Predict future numbers of animals. C

The user can use the app to predict the possible amount of animals after a specified time.

1. Store and load the results of a prediction to and from a file. W

After each calculation, the results are saved to a file so that they can be used later for other tasks such as comparisons with other outcomes and whether they are viable.

1. Switch between different mathematical models. S

There will be more than one calculation that can be made, so the user can make a choice of which type of calculation wanted can be specified.

1. Toggle natural factors that may affect the outcome. C

The user can specify when to take certain natural factors into consideration when making a calculation/prediction. For example; temperature, grass growth and seasons etc. can all be take into account or not.

1. Alter initial data, capacity and starting amount of each animal. S

As time goes on, the data of wildlife in the reserve will change, therefore the system administrator should be able to alter or update the data used in the application.

1. Project the predictions in a graph. M

The user can view the growth or decline of animal populations in a graph over a certain period of time.

1. Change type of graphs for projecting the results. C

The user can choose different graph options for example a pie chart, line chart or bar chart.

1. Display results of different animals M

The user can view the results of the calculations made for the main large herbivores as an individual species rather than the total number of large herbivores as a whole.

1. Customise graph colours W

The user can choose different colours and styles on the application to make it fitting to their liking.

1. Store time/date of the calculations made W

The user can state whether to provide the time and date of each calculation made. This makes it possible to go back and find specific previous calculations.