General - Apl 02.12.2016

Always have hard copy

Report : written to be read after the project has ended

In project plan ONLY { planning, division of work

Research Report { ① context, ③ method, ② subq & main RQ

→ 5 sub qs = 5 paragraphs

→ Find parameters to use

How to look for it? - literature, obs, exp (website, book; not practical for no values for toxes; capture toxes = Feed different amount of geese)

where to look for it?

What things to keep in mind to make it reliable

Literature search look @ primary sources are _____ (book)

but also _____

If info can't be found : make assumptions ↳ but dangerous

④ Data collection : order

⑤ Reporting

Analizing : data

⑥ summary ~~conclusions~~ state situation, problem, found, conclusion

Evaluation : things same for future project that can be used

for each paragraph describe what you mean by : if description

paragraph

How much is the competition factor between the animals?

11:28 Rm: 36

no need to ~~to~~ add discuss topic 2 & topic 3 because they are living docs

OPEN QUESTIONS no #3

11:33

Data collection, numbers aren't consistent, how to get parameters for the model?

Domain Model - Superclass animal

Subclasses has no attributes ~~or not~~

Why subclass if not using the behaviour of superclass?

What behaviour does each animal has? reproduce, feed, die, compete, migration, defending

11:42

horse and cow will defend from fox.

only the geese (reason for subclass)

do we need to model only herbivores or being specific (cow, horse, deer)

don't need to sub-class all herbivores, only the needed ones.

11:47

One specie of goose, not 3 types.

hard to implement competition between all 4 animals.

geese just taking away food.

11:51

get report from harald of group who did similar model.

we can use the excel file from old bb. (numbers are correct).

11:55

make a doc file to read in the app and don't use hard-coded code.

Carrying capacity is only true if one ~~animal~~ specie - if can't find the right number, assume.

12:00

Experiment is a way to get parameters if not there.

Good minutes - understood what discussed

Mathematical models - short - explanation is missing

Gender is a factor in a ~~model~~ model? if it is relevant so we need to add it to the model
if it is 50/50 it's not relevant.

Male deer can be relevant - depend on time

Maybe for further improvement.

Not including gender - is takes too much time.

12:05

Feature List

- asking the client
- get ideas
- attach the idea to figure it is a feature.
- 1st is a function in feature
  2nd as well
  3rd is vague.
- Getting prediction is a feature.
- update is a quality attribute, need architecture allowing updates.

Use case

- precondition - correct parameters.
- post - prediction has been saved
- use scenebuilder to build a feature/use case. - is a output.
- if you can make two windows of GUI, probably a feature.

12:12

Report

- Copy-paste the context from Project description.

12:15 finish

Group 2 - MINUTES 25-11-2016

Date	18-11-2016
Time	13:00
Location	Room A0-26
Present	Harald Drillenburg Adu Stephen, Andreicha Semida, Buaron Tal, Cholodov Andrej
Absent	Nieuwenhuis Jens

Meeting started at 12:20 in room A0-26. The meeting began with discussing the basic structure of the agenda as well as the meeting minutes. We first began by checking the presence, then we went over the meeting minutes from last meeting.

At 12:25 we received feedback on the meeting minutes, which were short and not very clear. Harald gave guidelines on how a proper meeting minutes are supposed to be written. A proper meeting minutes is supposed to include the problem, argument and the decision or the list of actions. For instance, during meeting we discussed the sub-research questions they were not clear, we added new sub-questions and the order was changed. The main point of the meeting minutes is to be understandable to persons who were not in the meeting if they just read over it.

At 12:30 the topic of the meeting shifted towards the programme plan. The feedback was aimed towards the technical paragraph, a class diagram and a sequence diagram needs to be added. As well the standard approach for the 3rd application is in question, because the approach decided in the plan is not a finite one. This is also not the only way the applications can be connected, several other approaches can be applicable however more research needs to be done. Also a front/cover page needs to be added and the pages need to be numbered.

At 12:35 the project plan started to be discussed, the feedback given was in the following order: add page numbers at the bottom of the page, add the version of the project plan, add sub-questions discussed from last meeting, and write the methodology first , because the methodology will determine the work division.

At 12:40 the research report was brought up. The main discussion was about to remove the double in the iteration, and to change the word dint to another more understandable. The feature list that we had was wrong, being advised that if one can create a use case story then it is a feature. Receiving two examples which were “set all parameters” and “show prediction graph for next years”.

At 12:43 the diagrams were the center of discussion, which are supposed to be sent as a pdf file or added to the appendix. Also remove technical details form the diagrams such as constructors. We were advised to stick with the Larman diagram concepts and the domain models. As well the entities of the herbivores were mentioned , such as reproducing, feed, etc. The competition class brought a problem in refer to the understandability, it wasn’t clear what it was, what it does, the definition was missing. Harald as well mentioned that an association class needs to be created.

At 12:50 data collection was discussed, we asked about how to read/take specific numbers from a graph that is unreadable. We were advised to ask the other group members if they have the data, if they don’t we should send an e-mail to Harald asking for it.

At 12:52 the meeting closed.

Group 2

Prediction of the Effect of Grass on the Animals in Oostvarders

1. Use case description:

Primary actor: **user/client**

Stakeholder and Interests:

- **User: interested in prediction**
- **Group 1: wants to know the workout for the grass**

Precondition:

Post-condition:

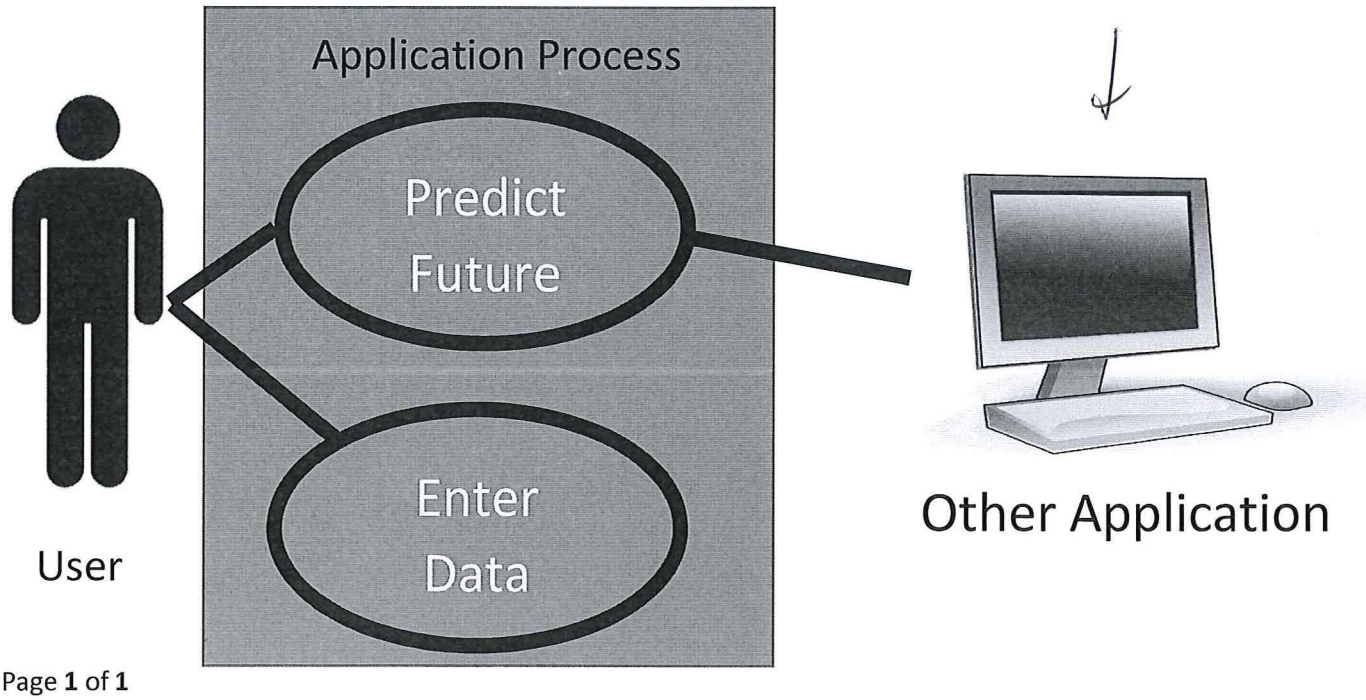
Main Success:

1. **User opens the application.**
2. **System asks for parameters.**
3. **User enters variables.**
4. **System validates variables.**
5. **System processes variables in the formula.**
6. **System shows results.**
7. **System sends results to the other application.** ← active?
8. **User closes the program.**

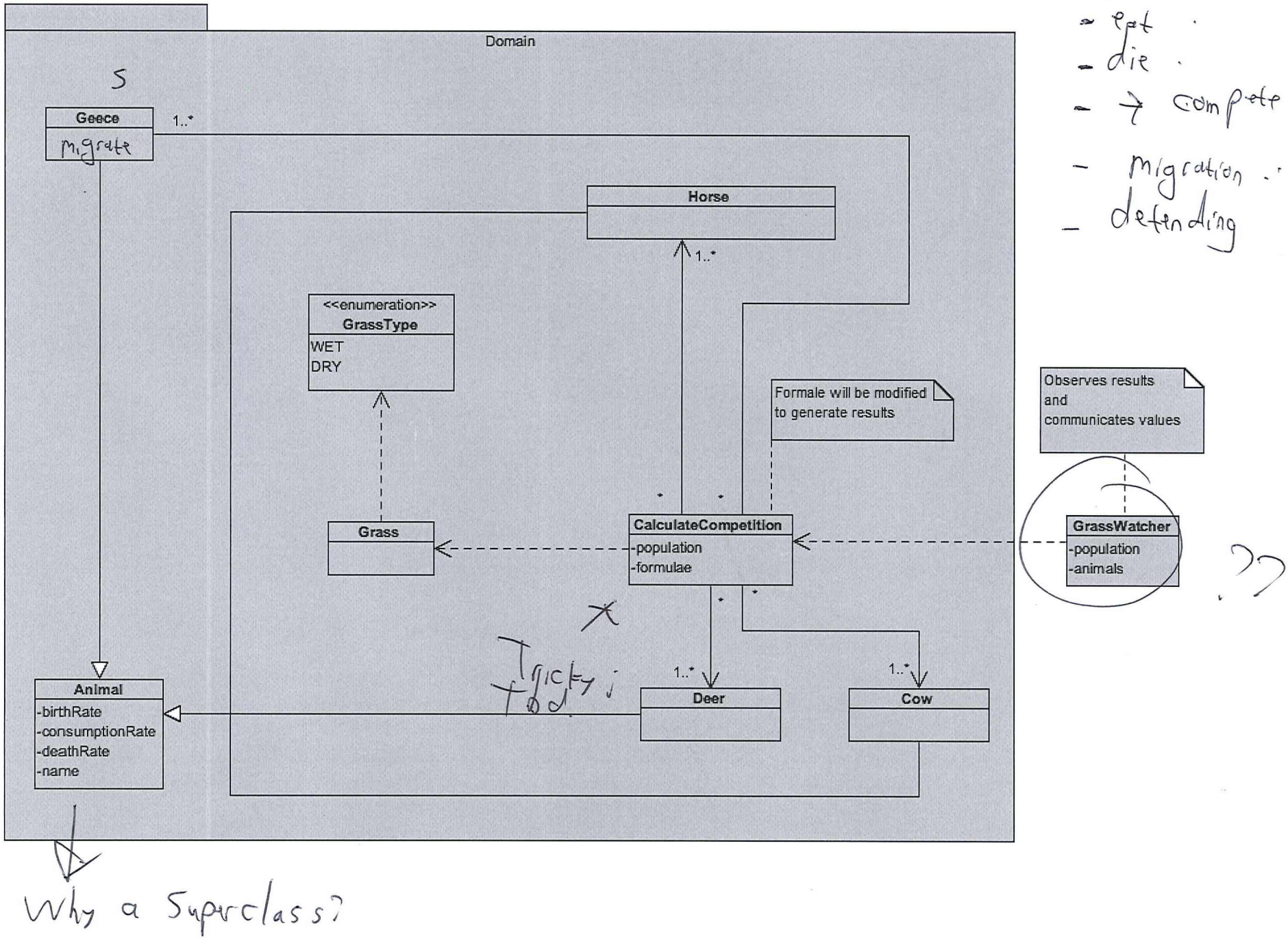
- Create story from this
- Mock a GUI, it helps giving insight,

2. Use case diagram

Use UML.



- flee
- procreate .
- eat .
- die .
- → compete .
- migration . .
- defending



Meeting Icoos 12:27 RM-26
waited a lot :-
12:30 Mathem model ——

12:34 Minutes

12:35 Math model
- incomplete

PREPARE FOR NEXT MEETING

- literature add to Bibliography
- define the variables for the models

13:07

Group 2 - AGENDA 02-12-2016

Date	02-12-2016
Time	11:30
Location	Room A0-26
Invited	Teachers: Koos van Tubergen, Harald Drillenburg Group members: Adu Stephen, Andreicha Semida, Buaron Tal, Cholodov Andrej and Nieuwenhuis Jens

1. Meeting at 11:30 at A0-35.
2. Checking if someone is absent.
3. Section for questions which aren't on the agenda.
4. Minutes of last meeting were 32 minutes (attached in a separate file). ?
5. Topic 1 – Discussing the project plan (version no. 6). → No. It's a living
6. Topic 2 – Discussing the research report (version no. 7). document.
7. Topic 3 – Discussing the program plan (version no. 4).
8. Topic 4 – Discussing the feature list.
9. Topic 5 – Discussing the UML diagram (version no. 2).
10. Topic 6 – Discussing the Data Collection.
11. Topic 7 – Discuss mathematical models.
12. Topic 8 – Showing the GUI that was built. ← Open questions
13. Closure – Making sure everybody know their tasks for next week.

Not Use Case

- Inconsistencies in online data, how to deal with it?
- How to get parameters for the model?