1. What: A web application containing a map showing spots where a consumer can purchase local produce. These locations should be interactive so that users can get information regarding each location's specifications, contact info and so on. Ideally the website will contain lots of tags for each location, so that any user can filter for what kind of produce they are interested in and other criteria. Users should also be able to get directions towards a given spot based on their input.

How: Our tech stack will be consisting of a python backend interacting with a PostgresSQL database and a frontend consisting of javascript or one of its associated frameworks. First issues for the project will be to create a basic graphical user interface most likely utilizing some sort of library for the display of a map and navigation utility. For the first sprint, the locations will be arbitrary examples and as we get further along the project, we will think over how we should collect data about locations in a more sophisticated manner. Main objectives for the first sprint will be to create some sort of GUI, with a map and some example locations, as well as designing and creating a database for storing relevant locations and tags. Creating some simple queries in the python backend for communicating with the database should also be a priority so that we can visualize data from the database.

A visualization of how the web application might look can be found below.
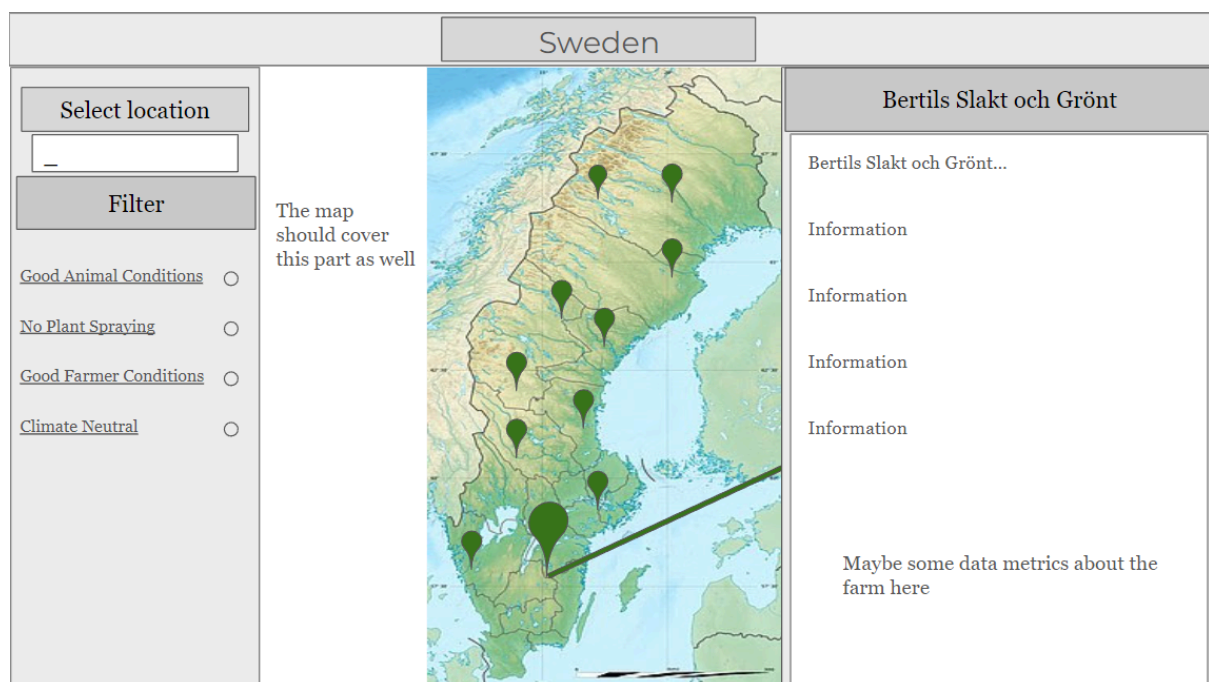
2. We have chosen to focus on sustainability goal 12. This goal aims for responsible consumption and production. A goal that is becoming more relevant by the day. With our project we hope to create awareness for people so they can make an informed decision concerning where their food comes from which is related to subgoal 12.2. With today's globalization, it is so easy to get a hold of food from all over the world without even realizing it. We always want people to make the most informed decision even if this is continuing to destroy the planet. Hopefully our facts and reminders that will be implemented in the website can change the minds of the ones that still think it's okay to import food from all around the world instead of buying it locally. This application will also encourage the full use of natural

resources by minimizing the length of the transport which is connected to the subgoal 12.8. Another thought behind the application is that we want to favor the local producers, which we do when we recommend the closest farmers for the user. Transports are one of the biggest villains when it comes to climate impact. By incentivising the population to eat locally produced food we have the chance to decrease the impact substantially.

3. The hardest part initially is probably our lack of experience with building a complete project with a self designed frontend and backend. None of us really has any experience within web applications, and specifically the visual part. No one in the group has any experience with Javascript so it will take some time for the team to be acquainted with the language. In later stages of the project the most troublesome issue will probably be to collect data about local produce spots in a sophisticated manner without causing issues in the database due to faulty entries.