The goal of the final project is to experience programming in a group.
Everyone in the team must participate in the final project. Please let the teachers know if for some reason this is not possible for some team member.
General Guidelines

Please follow these guidelines while working on your project:

▶ discuss the goal of the project in the group first until you fully understand the problem and get an idea for a practical approach
▶ divide the problem in subproblems and assign to group members
▶ discuss how the different parts should be tested (and include those tests in the code!)
Minimum Requirements I

While writing your code please follow these ideas:

► use classes and/or functions.
► comment everything! Can never have too many comments!
► Include all names of all team members + emails at the very top of the code!!! We might contact you after the final presentation and we need this information.
► Test your classes/functions! Leave those tests in your code. Do not remove them. Comment them out if you need to but it will be needed for us to see while judging your solution and overall effort.
Everyone in the team must be able to explain the overall general plan for solving the project. This is mostly related to the architecture and design of the solution rather than the exact details of each method. So each member of the team must be able to explain:

- what main functions/methods are used
- what each of those is supposed to do
- how those solve the project
Minimum Requirements III

Everyone in the team must construct at the very least 2 functions/methods and be able to explain those in every detail including how they relate to the rest of the project. Specifically, each team member must,

- include your name (as a comment) in the beginning of each function/method you wrote or helped write.
- be able to answer every possible question about that specific function/method that you were responsible for as well as how it relates to the whole solution for that project.

It is ok if more than one person works on a specific function or method.
Please prepare a good, timely and interesting presentation! The how is mainly up to you. However these are some guidelines which you need to follow. The presentation must:

- be 10-15 min long and explain
  - the background/information for this project,
  - the organization of your work,
  - your solutions and maybe alternative attempts, which you decided to reject.
- be tried in advance;
- involve everyone in the team - preferably each member will be able to present the part they worked on if at all possible.

Please bring your Laptop and a USB stick (as a back up) with the presentation.
After the presentation

After the presentation please:

▶ one person from the team must email your algorithms to sopasak@maths.lth.se

What will happen next?

▶ We will examine your code carefully to make sure you followed the guidelines above.

▶ We will run your code for your test cases as well as some of our own to see if there are any problems or weaknesses.

▶ If need be we will contact some of the team members for clarifications and follow up appointments.

Otherwise, if you do not hear from us then you will have passed the course!