# A453 – Task 2 Address Book searcher – What you need to do

1. **Understand the problem / task set**
   1. Write down the task – the success criteria – what the program must do
   2. Write about the group discussion you had on the best ways to tackle this challenge
   3. Write down your ideas and contributions to this discussion
2. **Design a solution** – write down the steps in English
   1. **Define the logic of the solution with algorithm**
   2. Pseudo code
   3. Flow chart
3. **Check that your algorithm solution will** **work**
   1. Draw up a Test plan
4. **Code your solution**
   1. Test each section of your code as you proceed
   2. Make evidence of testing (screen shots & commentary) for each section.
   3. Use meaningful variable names, well organised program structures & suitable formatting
   4. Ensure you comment your code – explaining what each section does
   5. Higher marks for efficient coding and appropriate use of a range of techniques
5. **Test your solution with test data**
   1. Against the requirements and identified success criteria from design stage
   2. Get feedback and suggestions from other pupils.
6. **Evaluate your solution using yours and others evidence from testing and make a conclusion**
7. **The quality & presentation of your report and communication is very important**