**Systems Maintenance**

*For this section you will need to show the following.*

Systems overview - A brief description of your system saying exactly what it has been developed for and what it does. What features does it have and what can the user expect when using the system? In this section, you should also include a copy of the hierarchy of menus, which explains the logical structure of your system. You will also need to include a list of all the objects you created, their functions and where they are located (see **implemented solution** below.)

Software Analysis – Also expected is a brief summary of the features of the package used. This will help show how you developed your application. You will need to show how you personalised the package to suit your application. So you might show and explain how you created a certain macro, or how you tailored a wizard. You might need to show annotated screenshots of one of the package’s development areas. ***For example you might show the Query By Example interface and explain how you used it, or you might show the form in design view as well as the code window for developing VBA code***. You do not need to show how you created the whole application. In a way you are justifying the reason you chose to use that package/program.

Algorithm Design – You are also expected to show the reasoning behind your processes. This is done using algorithms. You will have shown detailed algorithms in your design section, so all you will need to do is refer to them in this section. There is no need to redo them, though you can if you wish to do so.

Program Listings – If you used a programming language to develop your application, then you will be expected to include all of the code you developed. This is expected to be in the appendices and should be fully annotated. If you tailored any macro, then you are expected to show the listings as well fully annotated. You are expected to show only the code you develop, and not anything automatically generated by Access for example.

Design Screens of Implemented Solution- Here you will be expected to show the annotated design view of each part of your implementation. If you already have a separate section for technical solution, then you can refer to it. This section will need to show how you developed each part of the application and can be used in conjunction with the list of objects you mention in the **systems overview** section (see above). Your selection of objects shown must be representative of the entire system.

Procedure and Variable Lists/Descriptions (where used) – If you developed code for any part of your system, then you will be expected to show a list of all the procedures developed and their functions. A list of all Variables used should also be included. This can be grouped with the object list mentioned earlier.

A good **Systems Maintenance** can be used to show evidence of **implementation of technical solution.** This will mean you will not need to have a separate implementation section. The evidence for implementation will then be **Systems Maintenance** and **Testing.**