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Mechanical

1. Discuss the application development following the software development cycle
Analysis Stage

- a. Research and collect data from the current system
- b. Describe the current system
- c. Identify the problem of the current system
- d. Agree objectives with the clients
- e. Identify suitable hardware and software
- f. Produce a data flow diagram

Design stage

In the design stage we will look at designing

- a. Design data capture
- b. Design the screen layouts
- c. Design outputs in the form of screen displays and printed reports
- d. Produce systems flowcharts
- e. Select and design validation rules that need to be used

Development and testing stage

In development stage, the system will be

- a. Validation routines and verification methods will be used to ensure there are no mistakes

Implementation method

It will be better with a direct method where the old system is stopped once

Documentation

The documentation will be from the end user and we who developed it

In user documentation

- a. How to install and run the software
- b. How to save files
- c. How to do a search
- d. How to sort data
- e. Limitations of the system
- f. How to add, delete and amend records
- g. Hardware and software requirements
- h. Sample runs and results

- i. Error handling
 - While in
 - Technical documentation
 - a. Program listing
 - b. Programmed language
 - c. Program flowchart
 - d. Systems flowchart
 - e. Purpose of the system
 - f. Limitations of the systems
 - g. Input format

Evaluation and Maintenance

Once the system is set up and running it is necessary to do some evaluation and carry out maintenance.

The following things are used to consider the evaluation of the system

- a. compare the final solution with the original task
 - b. Identify any limitations of the system
 - c. Identify any necessary improvements that need to be made
 - d. Evaluate the user's responses to using the new system
 - e. Measure the time taken to complete tasks

A. Critically discuss the hardware and software features.

2. SOFTWARE REQUIRED

Technology -Code blocks

Language -Vb.NET

HARDWARE REQUIRED

MEMORY -4G RAM

PROCESSOR -Intel Core i3

Platform-Windows 7 and above

