

a) (i)

MIKES BIKES	
Stock Number	<input type="text" value="1"/>
Quantity	<input type="text"/>

(ii)

INPUT

PROCESS

OUTPUT

Stock number

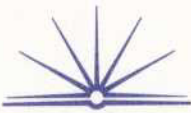
~~int~~ identify  
Item description

display item  
description

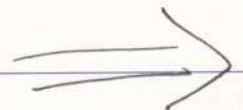
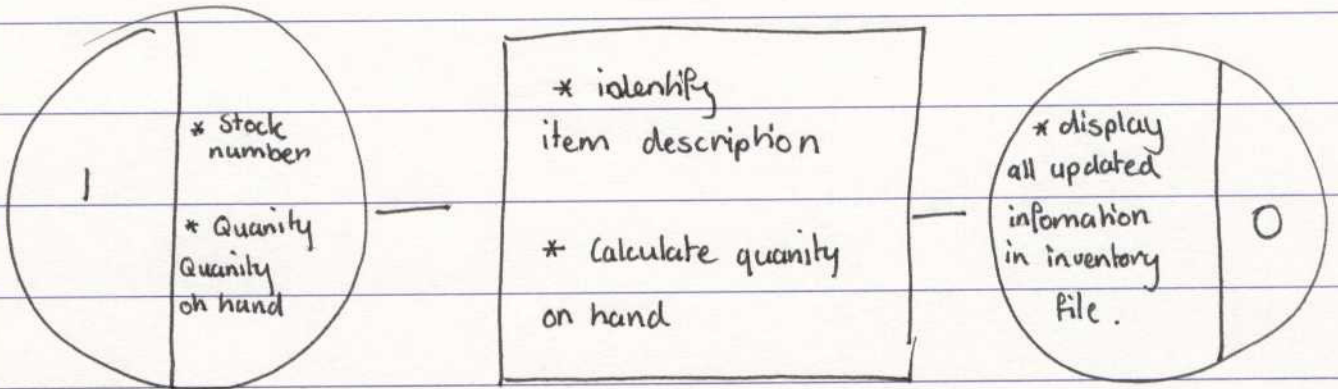
Quantity

Quantity ~~at~~ on hand  
- quantity

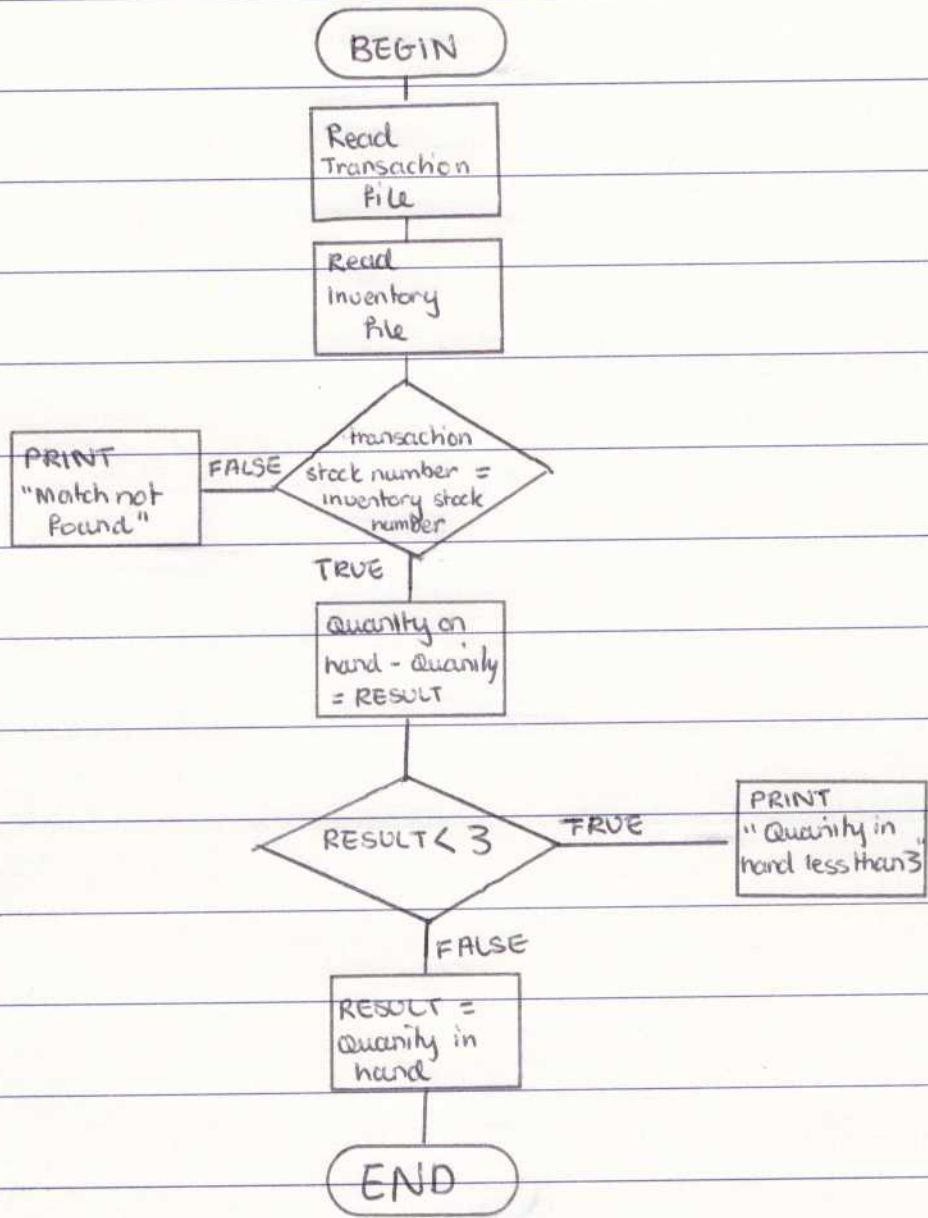
updated  
quantity on hand



(11)

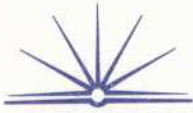


(iii)



b) A flowchart is documentation used during planning and designing of the solution. The flowchart is used to help understand the problem and plan a solution. It also helps to make sure that the solution being developed is feasible and logical, meaning it functions. A flowchart is a tool which represents a problem diagrammatically making it easier for developers to understand the overall gist of the problem and also the structure of the solution. Using a flow chart to diagrammatically represent the updating process, showed that the structure of the solution contains many boolean data types and no sequence or repetition data types.





b) Another type of documentation used is a data dictionary. Because this is a data base it is important to be aware of the data types to be used, it is also important to assign appropriate data types to fields.

A data dictionary is mainly used in the planning and designing stage where the developer is determining the most appropriate data type for the solution. It also helps to organize each input / data items and understand the nature of the proposed solution, making it easier for the developer to provide a successful working, feasible solution.