

22. (i) Outsourcing means getting a company or such external to the current one. ~~to~~ In this case to construct the software for the Bank.

(ii) Several problems with outsourcing the construction for this software would be the security issues of another company knowing the workings of the bank. Also the Bank would have to try and describe to the external company the requirements of the software solution.

23. Constant desk checking of all different types of data in different ways testing boundaries, ability to handle volume of data, data integrity and the security of the network.

b
i ♂ would be stored as a number
or string, used for the
password and customer number and such.

♂ would be a ~~code~~ Boolean variable
stating whether the password was
accepted or not.

ii On line 21 validated = TRUE
this should be validate = FALSE
otherwise there may be a
potential security flaw in the system.

~~Begin Accept and Validate Password~~

SUBROUTINE Accept and Validate Password (Stored Password, Validated)

~~INPUT Keyed Password~~

Attempts = 0

Validated = FALSE

~~IF Stored Password = Keyed Password THEN~~

~~Validated = TRUE~~

~~WHILE Attempts <= 3 AND Validated = False~~

~~INPUT Keyed Password~~

~~Increment Attempts~~

~~IF Stored Password = Keyed Password THEN~~

~~Validated = True~~

~~End IF~~

~~END WHILE~~