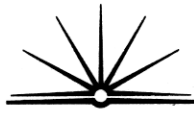


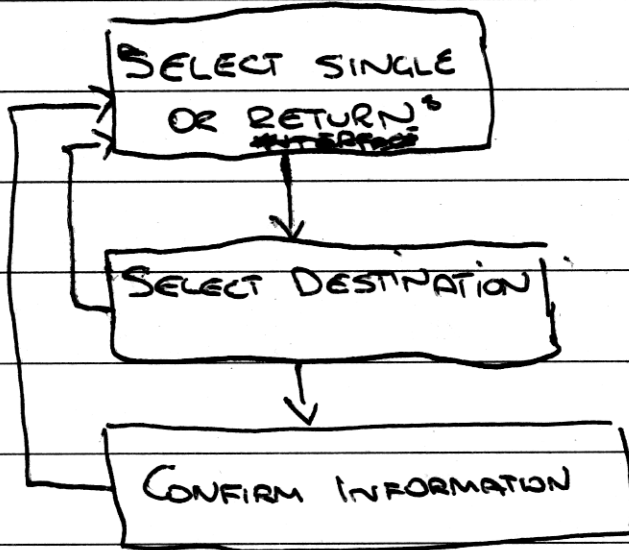


22a. The Structured Approach involves defining the problem, Planning a solution, Designing a solution, Implementing the solution and Testing, Evaluating and Maintaining the solution. It is suitable for large projects involving a development team. It would be the most suitable approach for this problem as it is a large project. *

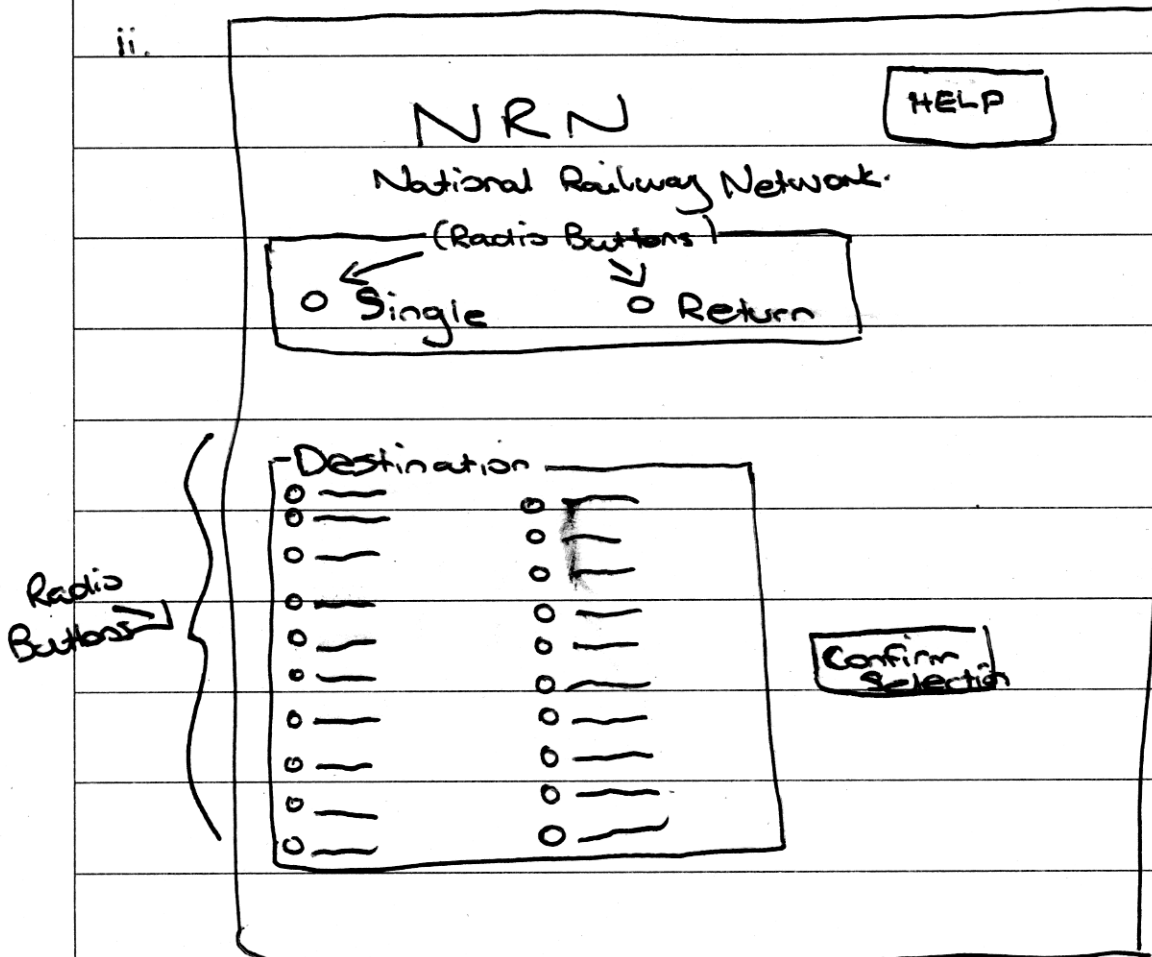
b. The current hardware resources must be taken into account. If the hardware used cannot support the software, the software is ~~not~~ not very useful. The storage capabilities must be considered. If the system cannot store the specified amount of data, the software will not perform highly. The processing power of the hardware should also be considered. If the system can store large quantities of data but cannot retrieve them in a reasonable time, the software will not perform highly.

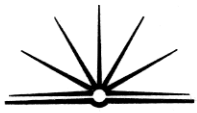


Ci.



ii.





d. Visually Impaired people may have problems.

This could be countered by ~~ed~~ using software that reads the text on the screen, or through voice recognition software and the user reading his selection to the software.

e. BEGIN

Index is Integer

UserDest is String

Fare1, Fare2, ~~total~~ are Reals

NumSingle, NumReturn are Integers

Fare1 = 0

Fare2 = 0

TotalFare is real

Index = 1

~~WHILE~~

Get NumSingle

Get Num Return

Get UserDest

TotalFare = 0

WHILE UserDest <> destination(Index).station AND Index < 100

Index = Index + 1

IF UserDest = destination(Index).station THEN

Fare1 = NumSingle * destination(Index).FullSingle

Fare2 = NumReturn * destination(Index).FullReturn

TotalFare = Fare1 + Fare2

ENDIF

ENDWHILE



Print Total Fare

END.