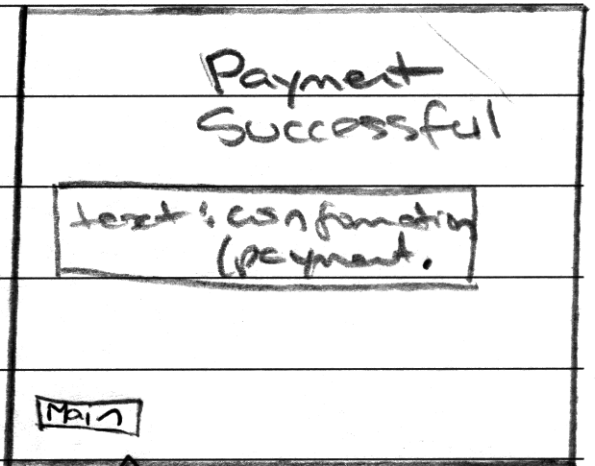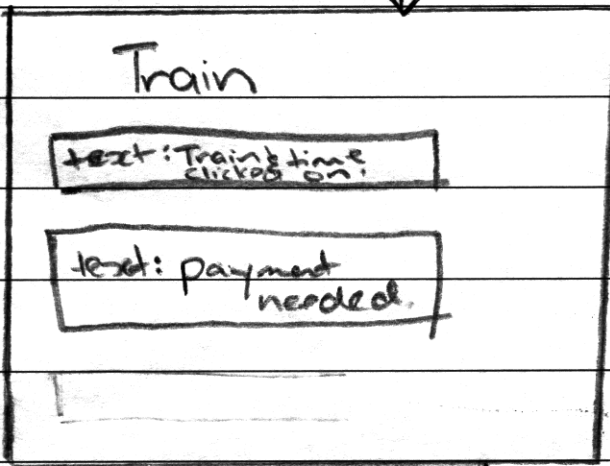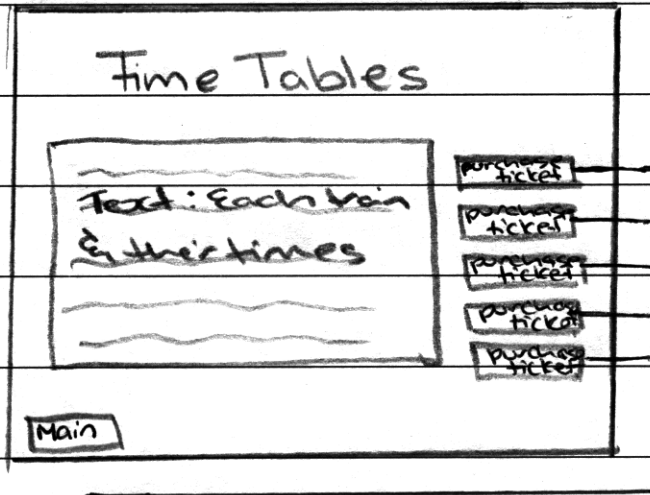Question 22

a) a structured approach will be used
for this system because there ~~are~~ is
more than 1 ~~anything to~~ processes,
there are ~~6~~ ~~more~~ so this will need
to be a structured approach.
& also so data can be updated.

b) * A factor to be considered is what
will happen if the system fails, a
manual back up plan will need to be
considered for quick recovery, so people
will still ~~have~~ be able to purchase
tickets & find out information while
the system is getting fixed. If this
* is not considered people will not
                                        & access info.
be able to purchase tickets^ and
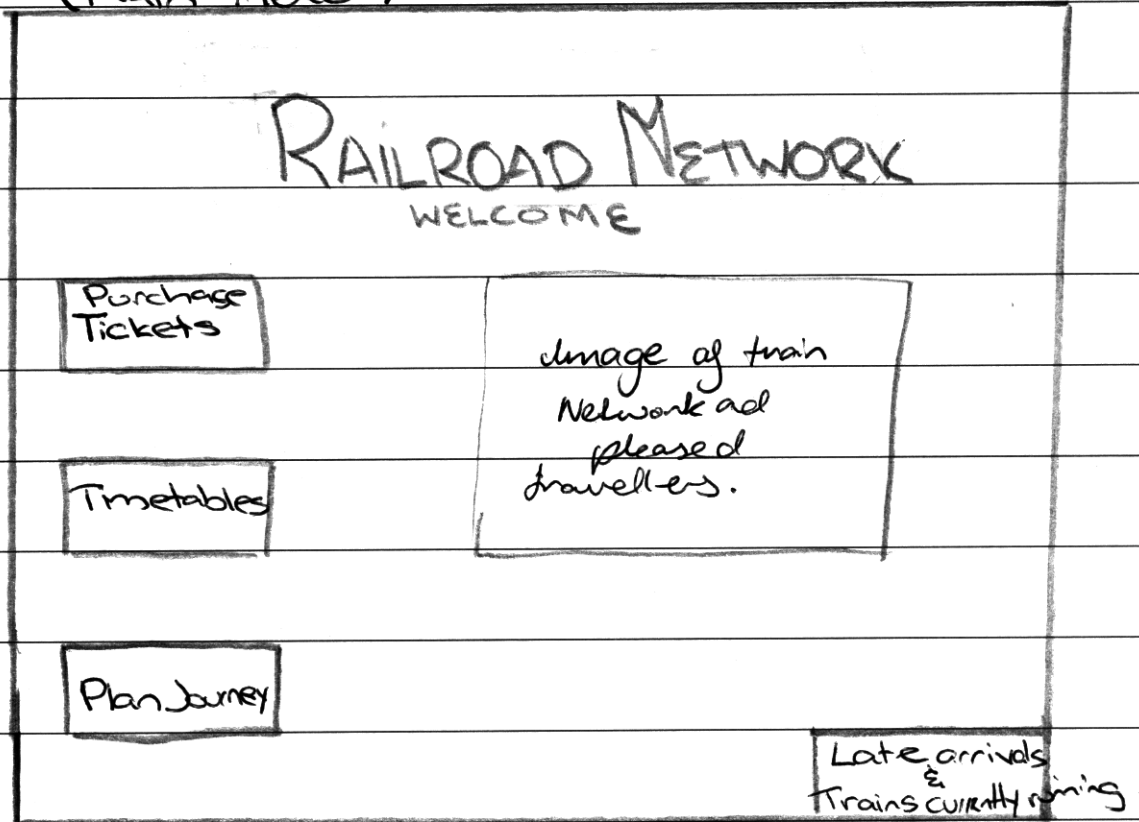therefore not catch the trains.
* the system will have to be easy
         update the
to ~~change data~~ data ~~already~~, so it
wont ~~take anything~~ much time to
access the system to change any
late trains or add any timetables so that
the ~~most~~ travellers get quick and accurate info.

i)

Time Tables

Text: Each train
& their times

purchase ticket
purchase ticket
purchase ticket
purchase ticket
purchase ticket

Main

Train

text: Train time
clicked on.

text: payment
needed.

Payment Successful

text: confirmation
(payment.

Main

Screen automatically
appears when
payment
accepted after
credit swiped.

ii) (Main Menu)

RAILROAD NETWORK
WELCOME

Purchase Tickets

Image of train
Network and
pleased
travellers.

Timetables

Plan Journey

Late arrivals
&
Trains currently running

d) Blind travelers will have a problem
so this can be fixed If the system
has a voice when a button is pressed
to tell them which button was pressed.
a ~~keyto~~ keyboard with writing
specially for blind people can be
used ~~to~~ so they can feel it
with their fingers.

e)

BEGIN

~~task~~ i = $\overset{0}{\cancel{100}}$

~~task~~ $i + 1 \leq 100$

~~t~~ User dest + 1

ELSE

NumSingle + 1

ELSE

NumReturn + 1

ELSE

TotalFare + 1

UNTIL

$i \cancel{4} = 100$

END