

# The E-ticket Machine



## REQUIREMENTS

- Create an application that can be installed on an e-ticket machine, inside a train station, to allow users to plan their journey on the 'West Midlands-London Service'

The application should allow the user to pick a start and end destination, the ticket quantity and a ticket type.

The application must then calculate the ticket price based on the following information:

### Ticket Prices:

- Between 1 and 4 stops it is £1.85 per stop
- Between 5 and 6 stops it is £2.60 per stop
- Over 7 stops it is £3.10 per stop

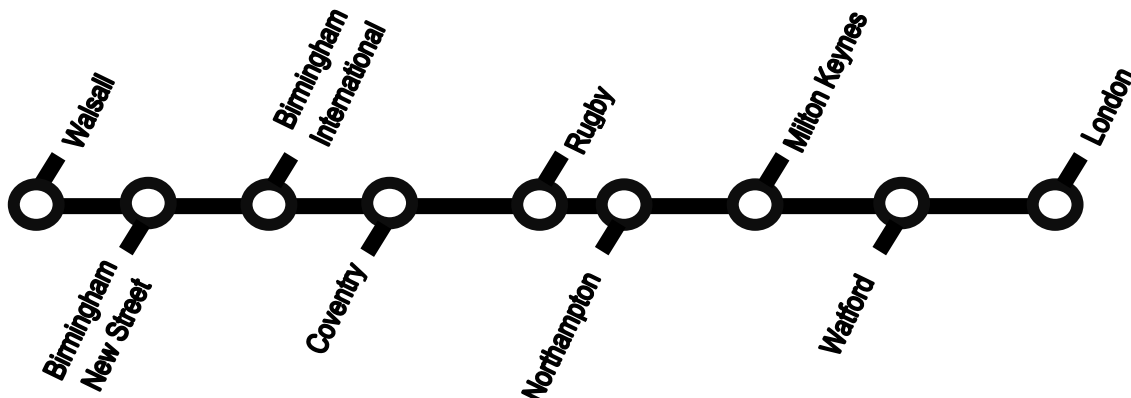
### Ticket Types:

- Single
- Return (apply a 13% discount)

### Desirable Additions:

- Grant a 25% discount for off-peak tickets (Off-peak is 6pm to 7am)
- Grant a 12.5% discount for children
- Display the time at the start of the application (i.e. 7:45)

## The West Midlands-London



### CODE TIPS

```
Use this code to display the time:  
Dim rightNow As DateTime = DateTime.Now  
Dim Time As String  
Time = rightNow.ToString("H:mm")  
WriteLine(Time)
```

```
Use this code to help you calculate the off-peak times:  
Dim CurrHour As Integer  
Dim Currtime As Date  
Currtime = DateTime.Now  
CurrHour = Currtime.Hour  
If CurrHour <= 7 Or CurrHour >= 18 Then  
    MsgBox("This is OFF-PEAK")  
End If
```

CURRENT TIME - 22:23

How many ADULT tickets do you require?

2

How many CHILDREN tickets do you require?

3

What train station are you currently at (ENTER 3 CHARACTER ID)?

1. Walsall (WAL)
2. Birmingham New Street (BNS)
3. Birmingham International (BIN)
4. Coventry (COU)
5. Rugby (RUG)
6. Northampton (NOR)
7. Milton Keynes (MIL)
8. Watford (WAT)
9. London Euston (EUS)

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3. Birmingham International (BIN)

4. Coventry (COU)
5. Rugby (RUG)
6. Northampton (NOR)
7. Milton Keynes (MIL)
8. Watford (WAT)
9. London Euston (EUS)

WAL

What train station are you traveling to? (ENTER 3 CHARACTER ID)

1. Walsall (WAL)
2. Birmingham New Street (BNS)
3. Birmingham International (BIN)
4. Coventry (COU)
5. Rugby (RUG)
6. Northampton (NOR)
7. Milton Keynes (MIL)
8. Watford (WAT)
9. London Euston (EUS)

EUS

What type of ticket(s) do you require? (ENTER CHARACTER ID)

Single (S)

Return (R)

1. Walsall (WAL)
2. Birmingham New Street (BNS)
3. Birmingham International (BIN)
4. Coventry (COU)
5. Rugby (RUG)
6. Northampton (NOR)
7. Milton Keynes (MIL)
8. Watford (WAT)
9. London Euston (EUS)

EUS

What type of ticket(s) do you require? (ENTER CHARACTER ID)

Single (S)

Return (R)

S

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ADULT(S): 2  
CHILD(REN): 3  
CHILD TOTAL: £48.82  
ADULT TOTAL: £37.2  
OVERALL TOTAL: £86.02  
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