Ford Tang – 46564602

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Informatics 43

Small Assignment 5

1. Requirements: Employee ID, Customer Parking Ticket
2. Properties of Requirements
   1. Employee ID
      1. Date
      2. Identification Number
   2. Customer Parking Ticket
      1. Date
      2. Display
3. Test Matrix

Basis: Employee ID – Date

|  |  |  |
| --- | --- | --- |
| Partition | Input | Expected Output |
| Correct date format | mm/yy | Valid ID – Proceed |
| Incorrect date format | dd/mm | Refuse entry |
| yy/mm | Refuse entry |
| mm/yyyy | Refuse entry |
| Non-expired date | mm/yy > today | Valid date - Proceed |
| Expired date | mm/yy < today | Refuse entry |

Basis: Employee ID – Identification Number

|  |  |  |
| --- | --- | --- |
| Partition | Input | Expected Output |
| Length | 6 characters exactly | Valid ID – Proceed |
| Incorrect Length | 4 characters | Refuse entry |
| 8 characters | Refuse entry |
| 0 Characters | Refuse entry |
| Content | Only integers | Valid ID - Proceed |
| Alpha numeric | Refuse Entry |

Basis: Customer Parking Ticket – Date

|  |  |  |
| --- | --- | --- |
| Partition | Input | Expected Output |
| Valid Date | Today’s Date | Valid ticket – Okay to Park |
| Invalid Date | Yesterday’s Date | Invalid ticket - citation |
| Week old date | Invalid ticket - tow |

Basis: Customer Parking Ticket – Displaying Ticket

|  |  |  |
| --- | --- | --- |
| Partition | Input | Expected Output |
| Correct Display position | Ticket on dashboard | Ticket easily viewable – Okay to park |
| Ticket in unreadable position | Ticket unreadable | Notice given – license plate logged |
| No Ticket displayed | No ticket | Notice given – license plate logged, if no ticket is given on exit, citation is issued |

1. See Test Matrix in (3)
2. Requirement: Receipt
   1. Properties: Date, Store location

Basis: Receipt – Date

|  |  |  |
| --- | --- | --- |
| Partition | Input | Expected Output |
| Valid Date | Today’s Date | Receipt Verified – Parking Fee Waived |
| Invalid Date | Date other than Today’s Date | Receipt invalid – Parking Fee Due |

Basis: Receipt – Store Location

|  |  |  |
| --- | --- | --- |
| Partition | Input | Expected Output |
| Valid Store Location | Correct Store Location | Location Valid – Parking Fee Waived |
| Valid Receipt – Other Store Location | Incorrect Store Location | Location invalid – Parking Fee Due |
| Invalid Receipt – No location | No Store Location | Location invalid – Parking Fee Due |