Đề 11

|  |  |
| --- | --- |
| Scenario | Buy tickets |
| Actor | Staff, customer |
| Pre-condition | A staff has a staff account |
| Post-condition | Staff sells a ticket for customer  Customer invoice is saved to the database |
| Main event | 1.A staff A starts the aplication to sell ticket for customer B to go to Beijing  2.The system displays a login interface with input for username, password and a login button  3.The staff enters username=”staff”, password:staff  4.The system displays the staff main unterface:  - Sell tickets  - View sell reports  4.The staff select Sell tickets  5. The system displays the Tour seach interface:  - Text field for destination name  - A search button  6. The staff asks customer for destination name, The customer anwers Beijing  The staff enter destination name and clicks search  7. The system displays the result interface:  - TextField = Beijing  - A search button   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Code | Name | Departure place | destination | description | Departure date | Price | | T01 | BambooTour | Hanoi | Beijing | Site:A,B,.. | 18/8/2024 | 3.000.000 | | T02 | VietNamAirlightTour | HCM | Beijing | Site: C,D | 19/8/2024 | 2.000.000 |   8.The staff asks the customer to choose, the customer choose the first choice  The staff select the first row  9. The system displays Invoice interface:  - Tourname: BambooTour  - Departure place: Hanoi  - Destination: Beijing  - Departure date: 18/8/2024  - Delegation Representative: B  - ID number:0098838300  - ID type: 9099223  - Address: Hanoi  - Phone number:0988987623  - Email: [123@gmail.com](mailto:123@gmail.com)  - Number of guest: 1  - Price: 3.000.000 VND  - A payment button  10. The staff select payment and ask to customer to pay. The customer pays the invoice  11. The system save the result and print the ticket |
| Exception |  |

Standard Blackbox:

Database before testing:

tblUser

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id | name | username | password | role |
| 1 | Manager | manager | manager | Manager |
| 2 | staff | staff | staff | Staff |
| 3 | administrator | administrator | administrator | administrator |

tblCustomer:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Id | Code | Name | ID number | IDcard type | Phone | Email | Address |
| 1 | 1 | T |  |  |  |  |  |
| 2 | 2 | TT |  |  |  |  |  |
| 3 | 3 | TTT |  |  |  |  |  |

Tbl Tour:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Code | Name | Departure place | Destination | Description |
| 1 | 1 | BambooTour | Hanoi | Beijing |  |
| 2 | 2 | VietNamAirlineTour | HCM | Beijing |  |
| 3 | 3 | VietjetTour | Hanoi | US |  |

Tbl Site:

|  |  |
| --- | --- |
| ID | Name |
| 1 | BejingMuseum1 |
| 2 | BejingMuseum2 |
| 3 | BejingMuseum3 |

Tbl TourSite:

|  |  |  |
| --- | --- | --- |
| ID | IdTour | IdSite |
| 1 | 1 | 1 |
| 2 | 2 | 1 |
| 3 | 3 | 1 |

tblService:

|  |  |
| --- | --- |
| Id | Name |
| 1 | Service 1 |
| 2 | Service 2 |
| 3 | Service 3 |

Tbl TouristSiteService:

|  |  |  |
| --- | --- | --- |
| Id | IdTouristSite | IdService |
| 1 | 1 | 1 |
| 2 | 2 | 2 |
| 3 | 3 | 3 |
|  |  |  |

tblInvoice:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id | Id Tour | Id Customer | date | Number | Price |
| 1 | 1 | 1 |  | 1 | 3.000.000 |
| 2 | 2 | 2 |  | 2 | 2.000.000 |

|  |  |
| --- | --- |
| Senario | Expected result |
| 1.Start the applcation | The login interface appear with: text fields for username, password and a login btn |
| 2. Enter username=staff, password=staff, click login | The system displays the staff main unterface:  - Sell tickets  - View sell reports |
| 3.Click on the Sell tickets button | The system displays the Tour seach interface:  - Text field for destination name  - A search button |
| 4.Enter destination name =”Beijing” and click search | The system displays the result interface:  - TextField = Beijing  - A search button   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Code | Name | Departure place | destination | description | Departure date | Price | | T01 | BambooTour | Hanoi | Beijing | Site:A,B,.. | 18/8/2024 | 3.000.000 | | T02 | VietNamAirlightTour | HCM | Beijing | Site: C,D | 19/8/2024 | 2.000.000 | |
| 5.Click on the first row | The system displays Invoice interface:  - Tourname: BambooTour  - Departure place: Hanoi  - Destination: Beijing  - Departure date: 18/8/2024  - Delegation Representative: B  - ID number:0098838300  - ID type: 9099223  - Address: Hanoi  - Phone number:0988987623  - Email: [123@gmail.com](mailto:123@gmail.com)  - Number of guest: 1  - Price: 3.000.000 VND  - A payment button |
| 6. Click payment button | - Success message appear: “Payment successfully” |

Database before testing:

tblInvoice:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id | Id Tour | Id Customer | date | Number | Price |
| 1 | 1 | 1 |  | 1 | 3.000.000 |
| 2 | 2 | 2 |  | 2 | 2.000.000 |

**Đề 1:**

|  |  |
| --- | --- |
| Scenario | Borrowing of book |
| Actor | staff, reader |
| Pre-condition | A staff has a staff account |
| Post-condition | A new borrowed book is saved to the system |
| Main event | 1.A staff A starts the aplication to lend “English” book for reader B  2.The system displays a login interface with input for username, password and a login button  3.The staff enters username=”staff”, password:staff  4.The system displays the staff main unterface:  - Book borrowing  - User information  4.The staff select Book borrowing  5. The system displays the Reader seach interface:  - Text field for reader code  - A search button  6. The staff asks reader for reader card  7. The reader gives the staff his reader card  8. The staff scans the card  9. The system displays the reader information interface:  - Text field for reader code  - A search button  - A scan button  Code: R001  Name: B  Dob: 09/09/1992  Address: hanoi  Phone number:0988777890  Barcode:001  List returned books:   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Code | Name | Author | Publication year | Cover price | barcode | | B01 | A | H | 2023 | 2$ | 398 | | B02 | AA | HM | 2023 | 2$ | 999 |   List unreturned books:   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Code | Name | Author | Publication year | Cover price | barcode | | B03 | B | H | 2023 | 2$ | 399 | | B04 | BB | HM | 2023 | 2$ | 998 |   10.The staff asks the reader for borrowed book  11.The reader give staff “English” book  12. The staff scan the book  13. The system displays Borrowing book interface:  - A submit button   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Code | Name | Author | Publication year | Cover price | barcode | | B07 | English | H | 2023 | 2$ | 389 |   14. The staff clicks on submit button  11. The system save the result and display loan slip interface:  Code: R001  Name: B  Barcode:001   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Code | Name | Author | Publication year | Cover price | quantity | barcode | | B03 | B | H | 2023 | 2$ | 1 | 399 | | B04 | BB | HM | 2023 | 2$ | 1 | 998 | | B07 | English | H | 2023 | 2$ | 1 | 389 |   - Totalnumber: 3  - A print button  12.The staff clicks on print button  13. The system displays message “Print successfully”  14. Staff click on ok button  15. The system returns to staff main interface |
| Exception |  |

Database before testing:

tblUser

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id | name | username | password |  | role |
| 1 | Manager | manager | manager |  | Manager |
| 2 | staff | staff | staff |  | Staff |
| 3 | administrator | administrator | administrator |  | administrator |

tblReader

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| id | code | name | dob | address | phone | barcode |
| 1 | R001 | B |  |  |  | 001 |
| 2 | R002 | A |  |  |  | 002 |
| 3 | R003 | AA |  |  |  | 003 |

tblBook

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| id | code | name | author | Pub year | price | quantity | des |
| 1 | B01 | A |  |  |  | 2 |  |
| 2 | B02 | B |  |  |  | 1 |  |
| 3 | B03 | C |  |  |  |  |  |

tblBookDetail

|  |  |  |  |
| --- | --- | --- | --- |
| id | Id Book | barcode | status |
| 1 | 1 | 001 | None |
| 2 | 1 | 002 | None |
| 3 | 2 | 003 | Borrowed |

tblLoan

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id | idReader | idBookDetail | Date | status |
| 1 | R001 | 1 | 2023 | Returned |
| 2 | R002 | 2 | 2023 | Returned |
| 3 | R001 | 3 | 2023 | Borrowed |

**Đề 56**

tblUser

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id | name | username | password |  | role |
| 1 | Manager | manager | manager |  | Manager |
| 2 | staff | staff | staff |  | Staff |
| 3 | administrator | administrator | administrator |  | administrator |

tblCustomer

|  |  |  |  |
| --- | --- | --- | --- |
| id | name | address | Email |
| 1 | A |  |  |
| 2 | B |  |  |
| 3 | C |  |  |

tblItem

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| id | code | name | measure | unitprice | quantity |
| 1 | 01 | Phone |  | 2$ | 5 |
| 2 | 02 | Computer |  | 2$ | 10 |
| 3 | 03 | Car |  | 2$ | 2 |

tblContract

|  |  |  |  |
| --- | --- | --- | --- |
| id | ID user | ID customer | date |
| 1 | 2 | 1 | 2024 |
| 2 | 2 | 1 | 2024 |
| 3 | 2 | 3 | 2024 |

tblItemContract

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id | ID Contract | ID Item | quantity | Unit price |
| 1 | 1 | 1 | 2 | 2$ |
| 2 | 1 | 2 | 1 | 2$ |
| 3 | 2 | 1 | 1 | 2$ |

Tbl Installment

|  |  |  |  |
| --- | --- | --- | --- |
| id | ID contract | Payment date | Payment amount |
| 1 | 1 | 2024 | 3$ |
| 2 | 1 | 2024 | 2$ |
| 3 | 2 | 2024 | 1$ |