

# Use Case Test

*Use case name:* buy wine

*Actors:* Customer

*Pre-condition:*

- 1) The server must be on.
- 2) The system must be connected to the network.
- 3) Customer must have to be already registered.
- 4) The number of bottles required must be less or equals than those available.
- 5) The wine sought must be present in the system.

*Use case for 'Buy wine':*

| Main Scenario         | Serial Number | Steps   |
|-----------------------|---------------|---|
| A: Actor<br>S: System | 1             | Select customer radio button  |
|                       | 2             | Enter customer e-mail   |
|                       | 3             | System validates customer e-mail  |
|                       | 4             | Enter customer password   |
|                       | 5             | System validates customer password  |
|                       | 6             | System shows customer dashboard   |
|                       | 7             | Search wine   |
|                       | 8             | Buy wine  |
|                       | 9             | Insert credit card details  |
|                       | 10            | The system shows the result of the operation  |
| Extension             | 2a            | Invalid e-mail<br>S: Shows an error message   |
| Extension             | 4a            | Invalid password<br>S: Shows an error message   |
| Extension             | 7a            | Click on search button without entering data in fields<br>S: Shows an error message                                   |
| Extension             | 7b            | Enter an invalid year<br>S: Shows an error message  |
| Extension             | 8a            | Enter an invalid number of bottles<br>S: Shows an error message   |
| Extension             | 8b            | Enter number of bottles greater than those available<br>S: Show a screen to subscribe to an availability notification |
| Extension             | 8c            | Click on buy button without selecting a row<br>S: Shows an error message  |
| Extension             | 8d            | Click on buy button without entering number of bottles<br>S: Shows an error message                                   |

| <b>Test cases</b> | <b>Steps</b>   | <b>Expected result</b>                                   |
|-------------------|--|--|
| <b>A</b>          | <b>Buy wine – Normal Flow</b>  |  |
| 1                 | Select customer radio button   | System displays the login screen                         |
| 2                 | Enter customer e-mail  | User can enter Customer e-mail                           |
| 3                 | Enter customer password  | User can enter Customer password                         |
| 4                 | Click on Login button  | System displays Customer Dashboard                       |
| 5                 | Enter all or some fields   | User can enter wine name, wine producer, wine year       |
| 6                 | Click on Search button   | System displays into the table the results of the search |
| 7                 | Select a row of the table  | User can select a row of the table                       |
| 8                 | Enter number of bottles  | User can enter the number of bottles desired             |
| 9                 | Click on Buy button  | System displays a payment screen                         |
| 10                | Enter credit card details  | User can enter the credit card number                    |
| 11                | Click on Ok button   | System displays the result of the operation              |
| <b>B</b>          | <b>Buy wine – Alternative normal flow</b>                                |  |
| 1                 | Repeat steps from 1 to 4 of Buy wine – Normal Flow                       |  |
| 2                 | Click on View all button   | System displays all wines contained into the store       |
| 3                 | Repeat steps from 7 to 11 of Buy wine – Normal Flow                      |  |
| <b>C</b>          | <b>Buy wine – Invalid e-mail</b>   |  |
| 1                 | Repeat step 1 of Buy wine – Normal Flow                                  |  |
| 2                 | Enter invalid e-mail   |  |
| 3                 | Click on Login button  | System displays error message                            |
| <b>D</b>          | <b>Buy wine – Invalid password</b>                                       |  |
| 1                 | Repeat steps from 1 to 2 of Buy wine – Normal Flow                       |  |
| 2                 | Enter invalid password   |  |
| 3                 | Click on Login button  | System displays error message                            |
| <b>E</b>          | <b>Buy wine – Click on search button without entering data in fields</b> |  |
| 1                 | Repeat steps from 1 to 4 of Buy wine – Normal Flow                       |  |
| 2                 | Click on search button   | System displays error message                            |
| <b>F</b>          | <b>Buy wine – Enter an invalid year</b>                                  |  |
| 1                 | Repeat steps from 1 to 4 of Buy wine – Normal Flow                       |  |
| 2                 | Enter invalid wine year (and/or name, producer)                          |  |
| 3                 | Click on search button   | System displays error message                            |

|          |  |   |
|----------|--|---|
| <b>G</b> | <b>Buy wine – Invalid number of bottles</b>                              |   |
| 1        | Repeat steps from 1 to 7 of Buy wine – Normal Flow                       |   |
| 2        | Enter invalid number of bottles  |   |
| 3        | Click on buy button  | System displays error message   |
| <b>H</b> | <b>Buy wine – Number of bottles greater than those available</b>         |   |
| 1        | Repeat steps from 1 to 7 of Buy wine – Normal Flow                       |   |
| 2        | Enter number of bottles greater than those available                     |   |
| 3        | Click on buy button  | System displays a screen to subscribe to an availability notification |
| <b>I</b> | <b>Buy wine – Click on buy button without selecting a row</b>            |   |
| 1        | Repeat steps from 1 to 6 of Buy wine – Normal Flow                       |   |
| 2        | Click on buy button  | System displays error message   |
| <b>L</b> | <b>Buy wine – Click on buy button without entering number of bottles</b> |   |
| 1        | Repeat steps from 1 to 7 of Buy wine – Normal Flow                       |   |
| 2        | Click on buy button  | System displays error message   |