**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’:*

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| Main Scenario | Serial Number | Steps |
| A: Actor  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  S: Shows an error message |
| Extension | 4a | Invalid password  S: Shows an error message |
| Extension | 7a | Click on search button without entering data in fields  S: Shows an error message |
| Extension | 7b | Enter an invalid year  S: Shows an error message |
| Extension | 8a | Enter an invalid number of bottles  S: Shows an error message |
| Extension | 8b | Enter number of bottles greater than those available  S: Show a screen to subscribe to an availability notification |
| Extension | 8c | Click on buy button without selecting a row  S: Shows an error message |
| Extension | 8d | Click on buy button without entering number of bottles  S: Shows an error message |

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| *Test cases* | *Steps* | *Expected result* |
| A | **Buy wine – Normal Flow** | |
| 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 cart details | User can enter the credit card number |
| 11 | Click on Ok button | System displays the result of the operation |
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| B | **Buy wine – Alternative normal flow** |  |
| 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 |  |
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| C | **Buy wine – Invalid e-mail** |  |
| 1 | Repeat step 1 of Buy wine – Normal Flow |  |
| 2 | Enter invalid e-mail |  |
| 3 | Click on Login button | System displays error message |
| D | **Buy wine – Invalid password** |  |
| 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 |

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| E | Buy wine – Click on search button without entering data in fields |  |
| 1 | Repeat steps from 1 to 4 of Buy wine – Normal Flow |  |
| 2 | Click on search button | System displays error message |

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| F | Buy wine – Enter an invalid year |  |
| 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 |

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| G | Buy wine – Invalid number of bottles | |  |
| 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 | |

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| H | Buy wine – Number of bottles greater than those available | |  |
| 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 | |

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| I | Buy wine – Click on buy button without selecting a row |  |
| 1 | Repeat steps from 1 to 6 of Buy wine – Normal Flow |  |
| 2 | Click on buy button | System displays error message |

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| L | Buy wine – Click on buy button without entering number of bottles | |  |
| 1 | Repeat steps from 1 to 7 of Buy wine – Normal Flow |  | |
| 2 | Click on buy button | System displays error message | |