**REQUIREMENTS TRACEABILITY MATRIX**

We divided the matrix into smaller ones to fit the document. They are classified by each Class:

* **Application**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Functional elements of the class Application** | | | | | | | | | |
| **Requirements** | **approveOffer** | **banUser** | **changeCreditCard** | **login** | **logout** | **searchAvgRating** | **searchBooked** | **searchOfferType** | **searchStartingDate** | **searchZipCode** |
| **1.1** |  |  |  |  |  |  |  | x |  |  |
| **1.2** |  |  |  |  |  |  |  |  |  | x |
| **1.3** |  |  |  |  |  |  |  |  | x |  |
| **2.1** |  |  |  |  |  |  |  | x |  |  |
| **2.2** |  |  |  |  |  |  |  |  |  | x |
| **2.3** |  |  |  |  |  |  |  |  | x |  |
| **2.5** |  |  |  |  |  | x |  |  |  |  |
| **2.6** |  |  |  |  |  |  | x |  |  |  |
| **2.7** |  |  |  | x |  |  |  |  |  |  |
| **2.8** |  |  |  |  | x |  |  |  |  |  |
| **5.1** |  | x |  |  |  |  |  |  |  |  |
| **5.2** |  |  | x |  |  |  |  |  |  |  |
| **5.3** | x |  |  |  |  |  |  |  |  |  |

* **Comment:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Functional elements of the class Comment** | | |
| **Requirements** | **addReply** | **getAvgRating** | **rateComment** |
| **3.3** | x |  |  |
| **3.4** |  |  | x |
| **4.4** | x |  |  |
| **4.5** |  |  | x |
| **4.6** | x |  |  |
| **4.7** |  |  | x |

* **Guest:**

|  |  |  |
| --- | --- | --- |
|  | **Functional elements of the class Guest** | |
| **Requirements** | **addReservation** | **deleteReservation** |
| **4.1** | x |  |

* **Host**

|  |  |
| --- | --- |
|  | **Functional elements of the class Host** |
| **Requirements** | **addHouse** |
| **3.1** | x |

* **House**

|  |  |
| --- | --- |
|  | **Functional elements of the class House** |
| **Requirements** | **addCharacteristic** |
| **3.1** | x |

* **MultiRoleUser**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Functional elements of the Class MultiRoleUser** | | |
| **Requirements** | **addHouse** | **addReservation** | **deleteReservation** |
| **3.1** | x |  |  |
| **4.1** |  | x |  |

* **Offer**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Functional elements of the class Offer** | | |
| **Requirements** | **modifyOffer** | **payOffer** | **rateOffer** |
| **3.6** | x |  |  |
| **4.2** |  | x |  |
| **4.3** |  | x |  |
| **4.5** |  |  | x |

* **RegisteredUser**

|  |  |
| --- | --- |
|  | **Functional elements of the class RegisteredUser** |
| **Requirements** | **changeCreditCard** |
| **5.2** | x |

* **Reservation**

|  |  |  |
| --- | --- | --- |
|  | **Functional elements of the class Reservation** | |
| **Requirements** | **cancelReservation** | **payReservation** |
| **4.2** |  | x |