In GUI testing, it was ensured the proper functionality of the graphical user interface for all applications, making sure it conforms to its written specifications, that all interactions, navigation, links work as required. During the system development, each method and functionality were checked for different bugs errors. The final version of the system was tested at the end of development and all the test actions were performed according to user guide.

1. Main page

|  |  |
| --- | --- |
| 1. User can select one of the buttons: Create tour, Make reservation, Find reservation/tour. | YES |
| 1. The overview list view, displays the list of tours: standard and private sorted by date. | YES |

1. Create tour

The test was performed by going through algorithm from user guide. Short description of actions performed:

|  |  |
| --- | --- |
| 1. User enters or selects a start date from the date picker (current or future dates) | YES |
| 1. User enters the time of departure (format example 10:00) | YES |
| 1. User enters or selects an end date from the date picker (future dates) | YES |
| 1. User enters the time of arrival (format example 10:00) | YES |
| 1. User enters departure/destination place in combo box or pressing the arrow should be able to select an item from the list. The list is scrollable and can be typed in any time. | YES |
| 1. User enters the number of kilometers | YES |
| 1. User selects a bus from the list pressing the arrow. By default, classic bus is selected. | YES |
| 1. User can select any combination of extra services from checkboxes. Clicking the mouse on the box it should set or unset the checkbox. | YES |
| 1. User enters the price for the tour. | YES |
| 1. User can enter a stop name in combo box or pressing the arrow should be able to select an item from the list. The list is scrollable and can be typed in any time. | YES |
| 1. User enters the time in minutes for stop. | YES |
| 1. User selects the button Add stop to add the stop in the list. | YES |
| 1. The previous stop automatically appears in the list of stops. | YES |
| 1. User selects a single stop from the list. | YES |
| 1. User can remove any stop from the list. | YES |
| 1. User can select a chauffeur from the list of chauffeurs. The chauffeur list is sorted after user enters the date, time, and after the bus type is selected. | YES |
| 1. User can select a bus from the list of buses. The bus list is sorted after user selects the bus type. | YES |
| 1. If user selects the check box private tour, by clicking the mouse on the box, the next step must be followed. | YES |
| 1. User enters the customer’s dates in the text fields: name, company name, address, email (only email format accepted, otherwise alert window will be displayed), phone number (only 8 digit number, otherwise alert window will be displayed) | YES |
| 1. User selects a single customer from the list of customers | YES |
| 1. User clicks the Add customer button | YES |
| 1. User click the button Choose | YES |
| 1. User click the button Create, the user is redirected to the main page, were he can see the previous created tour displayed in the list of tours. | YES |

NOTE: the stops do not appear in the list of tours!

1. Make reservation

|  |  |
| --- | --- |
| 1. User can pick either one, or all the fields to find the best tour: destination, departure, number of passengers | YES |
| 1. The list of tours is updated automatically according to the searches made by the user. | YES |
| 1. User can take notes in the text area, by simply clicking on the text field and typing in. | YES |
| 1. User can select a single tour from the list. | YES |
| 1. User clicks the button choose tour and another window will appear on the screen for the second step in making reservation. Also the note window will be displayed in a separate window, with the same data. | YES |
| 1. User enters the customer’s dates in the text fields: name, company name, address, email (only email format accepted, otherwise alert window will be displayed at the end of the process), phone number (only 8-digit number, otherwise alert window will be displayed). All the fields are mandatory, only company name can be used when it is required. | YES |
| 1. User can press the button Add customer and the customer will be saved and displayed in the list of customers. | YES |
| 1. User can select a single customer from the list of customers. | YES |
| 1. User enters the passenger’s dates in the text fields: name, address, email (only email format accepted, otherwise alert window will be displayed at the end of the process), birthday. All the fields are mandatory, exception: address and email. | YES |
| 1. User can press the button Add Passenger and the passenger will be saved and displayed in the list of passengers. | YES |
| 1. User can remove any passengers from the list of passengers. | YES |
| 1. User can select the passengers from the list of passengers. | YES |
| 1. System displays the right price per person, token from the list of tours details, and displayed in the field Default price per person. | YES |
| 1. User can enter the dates for extra services, discount. | YES |
| 1. System calculates the total price and automatically displays on the total field. | YES |
| 1. User can any time cancel the reservation by pressing the button Cancel, he will be redirected to the home page. | YES |
| 1. User can select Save reservation and the system will store the reservation dates moreover will be displayed automatically in Search – list of reservation. | YES |

1. Search
   1. Search Tour

|  |  |
| --- | --- |
| 1. The system displays the list of tours sorted by date. | YES |
| 1. User can pick either one, or all the fields to find the tour using the following fields: destination, departure, date, or by clicking one of the check boxes: All, standard, private. | YES |
| 1. The list of tours is updated automatically according to the searches made by the user. | YES |
| 1. User can select any tour from the list | YES |
| 1. User can click on remove tour button and the list will be updated without selected tour. | YES |
| 1. If user selects the button edit tour, all the steps from Create tour must be repeated. The system will display the window with the fields filled in with all the dates from the selected tour. | YES |

* 1. Search reservation

|  |  |
| --- | --- |
| 1. The system displays the list of reservations. | YES |
| 1. User can pick either one, or all the fields to find the reservation using the following fields: name, company name, address, email, phone number. | YES |
| 1. The list of reservations is updated automatically according to the searches made by the user. | YES |
| 1. User can select any reservation from the list. | YES |
| 1. User can click on remove reservation button and the list will be updated without selected one. | YES |
| 1. If user selects the button edit reservation, all the steps from Make reservation must be repeated. The system will display the window with the fields filled in with all the dates from the selected reservation. | YES |

1. Bus list

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| --- | --- |
| 1. System displays all the busses. | YES |
| 1. User can click remove Bus and the list will be updated. | YES |
| 1. User can press the button Add Bus and will follow the steps from Add bus. | YES |

* 1. Add Bus

|  |  |
| --- | --- |
| 1. User selects a bus from the list pressing the arrow. By default, classic bus is selected. | YES |
| 1. User enters the registration plate, which must be 2 capital letters followed by 5-digit number (otherwise an alert window will be displayed at the end of the process). All the fields are mandatory. | YES |
| 1. User enters the number of seats | YES |
| 1. User clicks the button Add bus and the dates will be stored in the list of buses. | YES |

1. Chauffeur list

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| --- | --- |
| 1. System displays all chauffeurs. | YES |
| 1. User can click delete chauffeur and the list will be updated. | YES |
| 1. User can press the button Add chauffeur and will follow the steps from Add chauffeur. | YES |

* 1. Add chauffeur

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| --- | --- |
| 1. User enters the name, address, email (only email format accepted), phone number (only 8-digit number), date of birthday (only chauffeur with the age > 18 accepted), employee ID (only 5-digit number). All the fields are mandatory (otherwise an alert window will be displayed at the end of the process). | YES |
| 1. User can select any combination of check boxes: vicar, preferences for distance, and bus type. | YES |
| 1. User clicks the button Add chauffeur and the dates will be stored in the list of chauffeurs. | YES |