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| No. | Test Name | Purpose | Target on screen | Test Data/Simulation | Expected Result | Actual Result | Outcome and Actions required |
| 10. | Pause Simulation | Pause the simulation played by the system. | Power-grid screen->Pause button. | 1. When simulation is in “Simulation running state”.  2. When simulation is NOT in “Simulation running state”. | 1. The pause button appears on the place of the star button. The user clicks the pause button, the simulation is paused.  The paused button changes to play button again.  2. User will not see the pause button and cannot press it. |  |  |

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| No. | Test Name | Purpose | Target on screen | Test Data/Simulation | Expected Result | Actual Result | Outcome and Actions required |
| 11. | Stop Simulation | Stops the simulation played by the system. | Power-grid screen->Stop button. | 1. When simulation is in “Simulation running state”.  2. When simulation is in “Paused state”.  3. When simulation is in “Initial state”. | 1. User is presses the Stop button .The simulation stops, The system goes to “Initial State”.  2. User is presses the Stop button .The simulation stops, The system goes to “Initial State”.  3. The stop button is disabled. |  |  |

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| No. | Test Name | Purpose | Target on screen | Test Data/Simulation | Expected Result | Actual Result | Outcome and Actions required |
| 12. | Create new project | Creates a new project, which the user can work on. | Main-Screen  ->Create a new project button. | 1. When we start the application.  2. When simulation is in “Simulation running state”/ “Paused state”.  3. When simulation is in “Initial state”. | 1. User is clicks the Create a new project button, a pop-up menu appears, so he/she can choose where to save their file. After browsing the user clicks ok, the project is created, the system is at Project-grid screen and in initial state.  2. User needs to stop the simulation (clicks the stop button).Use point 3.  3. User clicks on the main menu icon. A pop-up menu appears-the user chooses the Create a new project option, a pop-up menu appears, so he/she can choose where to save their file. After browsing the user clicks ok, the project is created, the system is at Project-grid screen and in initial state. |  |  |