**Study Results of four components:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **pid** | **ca-bubble** | **ca-grid** | **vsup-bubble** | **vsup-grid** |
| 1 | 7 | 3 | 5 | 6 |
| 2 | 8 | 7 | 6 | 4 |
| **avg** | **7.5** | **5** | **5.5** | **5** |

**Time Spent**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **pid** | **ca-bubble** | **ca-grid** | **vsup-bubble** | **vsup-grid** |
| 1 | 5.5 | 3 | 4 | 3 |
| 2 | 5 | 6 | 3 | 3.5 |
| **Avg** | **5.25** | **4.5** | **3.5** | **3.25** |

**System Usability Scale (SUS):**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| pid | Module | Q#1 | Q#2 | Q#3 | Q#4 | Q#5 | Q#6 | Q#7 | Q#8 | Q#9 | Q#10 |
| 1 | ca-bubble | 3 | 1 | 2 | 3 | 2 | 3 | 4 | 4 | 3 | 2 |
| ca-grid | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 2 |
| vsup-bubble | 4 | 2 | 5 | 3 | 3 | 2 | 3 | 2 | 3 | 3 |
| vsup-grid | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| 2 | ca-bubble | 2 | 2 | 3 | 3 | 2 | 3 | 4 | 4 | 3 | 2 |
| ca-grid | 2 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 2 |
| vsup-bubble | 1 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 3 |
| vsup-grid | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 4 | 4 |
| **Avg** |  | **1.5** | **2.8** | **2** | **3** | **2.5** | **2.5** | **3.3** | **2.8** | **3.3** | **2.8** |

**Nasa-Tlx:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **pid** | **Module** | **Q#1** | **Q#2** | **Q#3** | **Q#4** | **Q#5** | **Q#6** |
| 1 | ca-bubble | 13 | 15 | 13 | 15 | 13 | 15 |
| ca-grid | 11 | 13 | 12 | 14 | 14 | 12 |
| vsup-bubble | 13 | 14 | 13 | 13 | 14 | 15 |
| vsup-grid | 14 | 11 | 13 | 12 | 15 | 14 |
| 2 | ca-bubble | 13 | 13 | 16 | 15 | 13 | 18 |
| ca-grid | 11 | 13 | 12 | 13 | 14 | 15 |
| vsup-bubble | 13 | 14 | 13 | 13 | 14 | 15 |
| vsup-grid | 14 | 11 | 13 | 12 | 15 | 14 |
| **Avg** |  | **12.8** | **13** | **13.1** | **13.3** | **14** | **14.8** |