All tables are prepared for 2 participants.

**Questionnaire Results:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pid** | **ca-bubble** | **ca-grid** | **vsup-bubble** | **vsup-grid** |
| 1 | 6 | 7 | 4 | 5 |
| 2 | 6 | 6 | 5 | 5 |
| Avg. | 6 | 6.5 | 4.5 | 5 |

**System Usability Scale (SUS):**

A picture containing text

Description automatically generated

**Results:**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **pid** | **Q#1** | **Q#2** | **Q#3** | **Q#4** | **Q#5** | **Q#6** | **Q#7** | **Q#8** | **Q#9** | **Q#10** |
| 1 | 3 | 2 | 4 | 2 | 4 | 2 | 3 | 2 | 5 | 2 |
| 2 | 2 | 2 | 5 | 2 | 4 | 2 | 3 | 1 | 5 | 2 |
| Avg | 2.5 | 2 | 4.5 | 2 | 4 | 2 | 3 | 1.5 | 5 | 2 |

Table: Ca+Bubble

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **pid** | **Q#1** | **Q#2** | **Q#3** | **Q#4** | **Q#5** | **Q#6** | **Q#7** | **Q#8** | **Q#9** | **Q#10** |
| 1 | 5 | 2 | 3 | 2 | 3 | 1 | 4 | 2 | 5 | 1 |
| 2 | 3 | 2 | 2 | 2 | 3 | 1 | 4 | 1 | 4 | 1 |
| Avg | 4 | 2 | 2.5 | 2 | 3 | 1 | 4 | 1.5 | 4.5 | 1 |

Table: Ca+Grid

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **pid** | **Q#1** | **Q#2** | **Q#3** | **Q#4** | **Q#5** | **Q#6** | **Q#7** | **Q#8** | **Q#9** | **Q#10** |
| 1 | 4 | 2 | 5 | 1 | 3 | 2 | 3 | 2 | 3 | 2 |
| 2 | 3 | 2 | 4 | 1 | 4 | 2 | 3 | 2 | 3 | 3 |
| Avg | 3.5 | 2 | 4.5 | 1 | 3.5 | 2 | 3 | 2 | 3 | 2.5 |

Table: VSUP + Bubble

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **pid** | **Q#1** | **Q#2** | **Q#3** | **Q#4** | **Q#5** | **Q#6** | **Q#7** | **Q#8** | **Q#9** | **Q#10** |
| 1 | 3 | 1 | 4 | 1 | 3 | 2 | 4 | 2 | 2 | 1 |
| 2 | 2 | 2 | 5 | 1 | 3 | 2 | 4 | 3 | 2 | 3 |
| Avg | 2.5 | 1.5 | 4.5 | 1 | 3 | 2 | 4 | 2.5 | 2 | 2 |

Table: VSUP + Grid

**Nasa-Tlx:**

Timeline

Description automatically generated with medium confidence

**Results:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **pid** | **Q#1** | **Q#2** | **Q#3** | **Q#4** | **Q#5** | **Q#6** |
| 1 | 19 | 3 | 7 | 16 | 7 | 2 |
| 2 | 19 | 3 | 7 | 16 | 7 | 2 |
| Avg | 19 | 3 | 7 | 16 | 7 | 2 |

Table: Ca + Bubble

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **pid** | **Q#1** | **Q#2** | **Q#3** | **Q#4** | **Q#5** | **Q#6** |
| 1 | 20 | 3 | 10 | 16 | 6 | 2 |
| 2 | 18 | 3 | 12 | 17 | 8 | 5 |
| Avg | 19 | 3 | 11 | 16.5 | 7 | 3.5 |

Table: Ca + Grid

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **pid** | **Q#1** | **Q#2** | **Q#3** | **Q#4** | **Q#5** | **Q#6** |
| 1 | 20 | 2 | 6 | 15 | 8 | 2 |
| 2 | 20 | 3 | 5 | 19 | 6 | 7 |
| Avg | 20 | 2.5 | 5.5 | 17 | 7 | 4.5 |

Table: VSUP + Bubble

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **pid** | **Q#1** | **Q#2** | **Q#3** | **Q#4** | **Q#5** | **Q#6** |
| 1 | 18 | 2 | 6 | 13 | 6 | 1 |
| 2 | 19 | 3 | 6 | 14 | 7 | 2 |
| Avg | 18.5 | 2.5 | 6 | 13.5 | 6.5 | 1.5 |

Table: VSUP + Grid

**Time Spent in Minutes**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **pid** | **ca-bubbleTotal** | **ca-gridTotal** | **vsup-bubble** | **vsup-grid** |
| 1 | 9.5 | 11.5 | 5.5 | 7.8 |
| 2 | 7.1 | 6.3 | 8.1 | 9.8 |
| avg | 8.4 | 8.9 | 6.8 | 8.8 |