CSS 422: Hardware and Computer Organization

Disassembler – Task Breakdown

Team – Single Precision REEE

**The following table illustrates the overall contribution and number of hours spent per each student in the team:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Team Member** | **Role** | **Percentage of Contribution** | **Hours Spent** |
| Fahad Alshehri | IO and Documentation | 32.5 | 140 hours |
| Daniel Yan | Opcode | 35% | 145 hours |
| Denny Park | EA | 32.5% | 140 hours |

**The following table illustrates the overall contribution for the IO role:**

|  |  |
| --- | --- |
| **Fahad’s Tasks** | **Related Role** |
| Created the overall program cycle | I/O |
| Developed the testing files | Testing |
| Designed the program flowcharts | Documentation |
| Documented the project | Documentation |
| Developed the code for reading from a config file | I/O |
| Developed the code for printing valid and invalid data from the global buffers | I/O |
| Validated Config.cfg file inputs | I/O |

**The following table illustrates the overall contribution for the OP code role:**

|  |  |
| --- | --- |
| **Daniel’s Tasks** | **Related Role** |
| Developed the subroutines for recognizing the supported opcodes | Opcode |
| Worked on recognizing extra opcodes | Opcode |
| Designed a flowchart that demonstrates the logic of the opcode routines | Documentation |
| Worked on testing all the opcode instructions | Opcode |
| Contributed in the overall testing of the program | Testing |

**The following table illustrates the overall contribution for the EA role:**

|  |  |
| --- | --- |
| **Denny’s Tasks** | **Related Role** |
| Developed the subroutines for finding the size of each opcode | EA |
| Design the algorithm to call the EA subroutines for the supported opcodes | EA |
| Designed a flowchart that demonstrates the logic of the EA routines | Documentation |