CARINA – Manpower and Cost Estimates

Patrick Lopez  
Connor Dolan  
Edward Sadzewicz  
Cody Shell  
Jaclynn Wakley  
  
Below is a breakdown of our tasks needed for completion of the course and project. The calculation for the number of hours to compete comes from converting the amount of days to include only weekdays. Then we assume each team member will work a maximum of two hours a day toward the project and there are five members in the group. This is a generous estimate, the number of hours per-task is more than enough time to compete the tasks listed.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | **Total Days** | | **Working Days  (Weekdays)** | **Hours Worked  (Weekdays)** |
| SOW | 14 | 11 | | 110 |
| Project Approval | 5 | 4 | | 40 |
| Review programming languages & their capabilities | 19 | 14 | | 140 |
| Team Presentations to Sponsor | 14 | 11 | | 110 |
| Functional Specifications | 19 | 14 | | 140 |
| Work on database | 29 | 22 | | 220 |
| Winter Break | 48 | 35 | | 350 |
| Work illustration tools | 25 | 18 | | 180 |
| Test Plan | 14 | 11 | | 110 |
| Work on functionality of website | 18 | 14 | | 140 |
| Spring Break | 7 | 5 | | 50 |
| Work on characterization report | 28 | 21 | | 210 |
| Characterization Report | 14 | 11 | | 110 |
| Posters | 12 | 9 | | 90 |
| Poster Section | 11 | 10 | | 100 |
| Final Report & Project Notebooks | 18 | 15 | | 150 |
| Total time for work (excluding winter/spring break) | 180 | 129 | | 1290 |

**Costs:**

We have an incredibly simple cost calculation for this project: zero. We are using all open-source software to build and test the application, so there is no software cost. We are using our existing laptops to develop and test the application. We are using our existing desktops and networking hardware to test the server side of the application. In the end we plan on having CARINA hosted on the ECE web server. This puts our hardware costs at zero. The only cost is our man-hours put into developing the application.

|  |  |
| --- | --- |
| Type | Cost |
| Software | $0.00 |
| Hardware | $0.00 |
| Total | $0.00 |