**Weekly Tasks Time Estimates:**

Adjust initial parameters to match professor’s defaults

Expected: 1 hour

Actual: 1 hour

**Project Status**

After speaking with the TA’s, I have decided to not incorporate any extra features to my project. The issues which I had noticed with the mutexes were not known to them, and they will not be getting further development time, as they do not hurt the function of the game. The only work which was required this week was the adjustment of my initial simulation parameters to match those given by the professor. As I had a slightly different variable and calculation method, some extra calculations were required to apply his default values to my project.

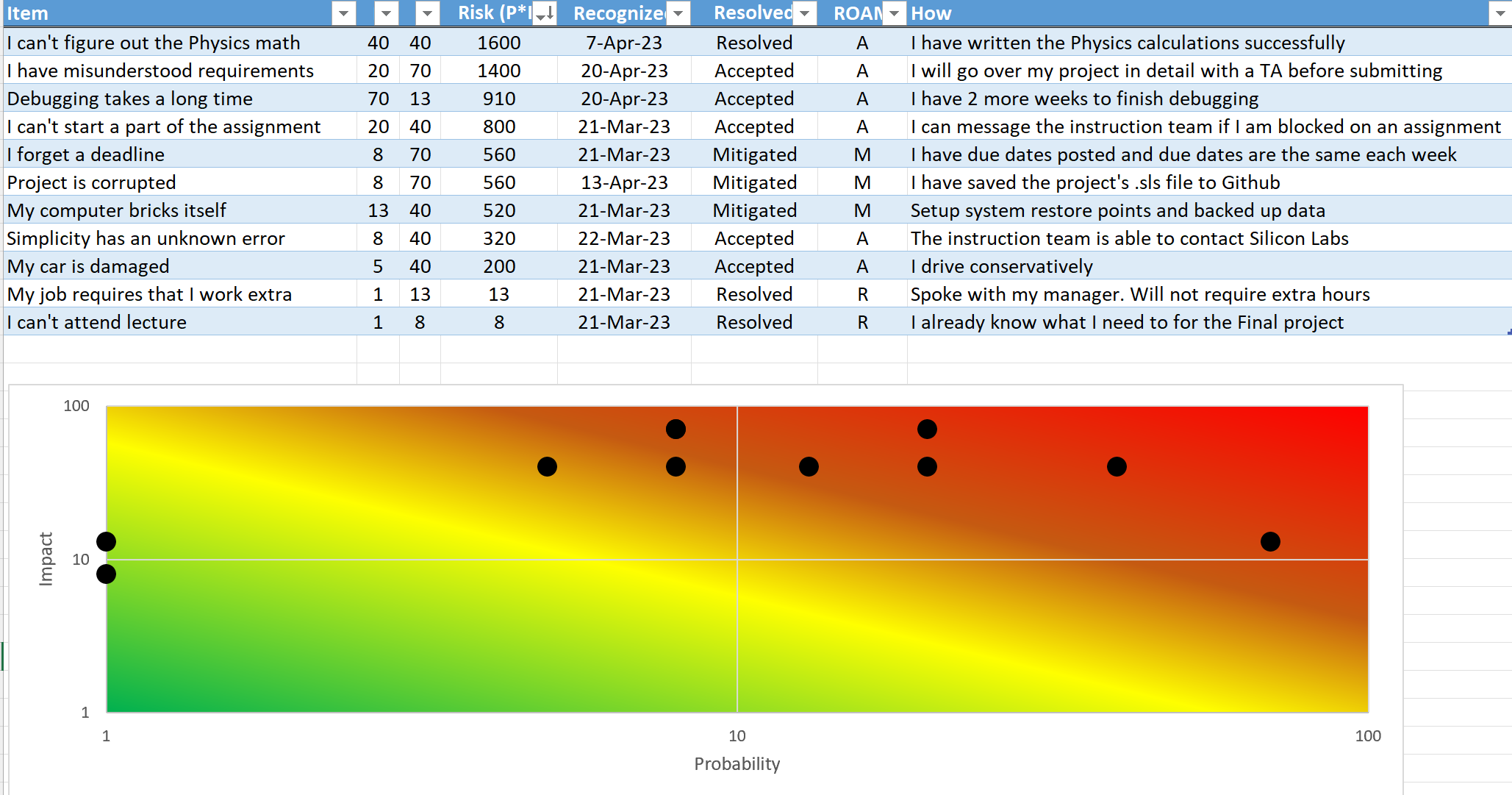
The first requirement was for the platform’s max applied force to be 12000 Newtons. As I have both a soft push and a hard push and my force is applied every 100ms, I set the hard push to 1,2000 Newtons and the soft push to 120 Newtons. This was done by multiplying 15 by my square\_to\_meter variable (77). The canyon width was then set to 1km. This was a little complicated as my canyon was defined by each unit square it contained. It contains 13, so I altered my unit square to meters value to 77. The platform was also required to be changed to 100kg, though that required no extra calculations. Table 1 shows my project’s current progress. All tasks have been completed, bringing my status to 100%.

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Time Estimate** | **Actual Time Used** | **Status** |
| Task Diagram | 3 hours | 5 hours | Complete |
| Physics hand examples | 3 hours | 3 hours | Complete |
| Write Input Tasks | 5.5 hours | 7.5 hours | Complete |
| Write Physics Tasks | 8 hours | 8.5 hours | Complete |
| Write Display Tasks | 8 hours | 5.5 hours | Complete |
| Integrate Tasks | 3 hours | 2 hours | Complete |
| Debug Final Code | 5 hours | 4 hours | Complete |

Table 1: Project Progress

As my project is complete, there are not any further risks to evaluate and my risk register is the same as it was for week 4.

**Risk Register**

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