**Postmortem Document**

IBM

Adam Murray

Scott Rotvold

Madeline Gordon

Brandon Ebersohl

**1. Postmortem Results**

**1.1 Things That Went Well**

**<<** List some of the aspects of the project that went well. This may include working well with teammates, providing great satisfaction to the sponsors, not falling behind schedule, etc. >>

**1.2 Things That Did Not Go Well**

<< List any areas of the project that did not go well or that were otherwise unsatisfactory. This may include not being able to accomplish all of the set tasks, difficulties in communicating with other team members, etc. >>

**1.3 Lessons Learned While Doing The Project**

<< List any lessons or other important things that you learned while working on this project. Examples of this may include how to estimate the amount of effort, working with different programming environments, how to use different software tools, etc. >>

In completing this project we learned many different things. One of the big things that we all learned how to use was Jenkins. Before this project none of us had used a continuous integration tool like Jenkins and had no idea how to use it, any of its plugins, or how data was sent out. Another thing we learned was how to install packages via command line in a Ubuntu environment. Along with this was the general learning curve of understanding how a programs behave and work in a Ubuntu environment. The last thing that we learned about was automated deployment. We completed this via Ansible and had never run across it before.

**1.4 What We Would Have Done Differently**

**<<** List what you would have done differently on this project if you knew what you know now. This may include adjusting the project schedule, begin testing at an earlier time, or using different solutions, etc. >>

I think that if we had known the issues that we were going to have we would have asked our sponsors for hardware sooner.

**1.5 Recommendations for Future Projects**

If your capstone project involves nothing but system administration it is very helpful to know someone who has experience as a system administrator.

**2. Project Size and Effort Estimates**

**2.1 Size Estimate**

|  |  |  |
| --- | --- | --- |
| **Metric** | **Estimate** | **Actual Size** |
| SLOC | 0 Lines | 0 Lines |
| Classes | 0 Classes | 0 Classes |
| Modules | 5 Modules | 5 Modules |
| Help Document | 0 Pages | 0 Pages |
|  |  |  |

<< Provide a description of how your estimates compared with the actual values. Discuss why you believe (e.g. lack of experience, changes in requirements, etc.) any deviations occurred. >>

**2.2 Effort Estimates**

|  |  |  |
| --- | --- | --- |
| **Task** | **Estimate** | **Actual Size** |
| Researching | 80 Hours | 100 Hours |
| Implementation | 20 Hours | 22 Hours |
| Testing | 20 Hours | 27 Hours |
| Documentation | 30 Hours | 45 Hours |
| Total | 150 Hours | 194 Hours |

<< Provide a description of how your estimates compared with the actual values. Discuss why you believe any deviations occurred. >>

**2.3 Project Effort Breakdown**

<< Complete the following table by breaking down the amount of effort (as a %) that was spend during each of the following stages of the project. >>

|  |  |
| --- | --- |
| **Project Area** | **% Effort** |
| Researching | 65% |
| Requirements | 3% |
| Implementation | 15% |
| Testing | 5% |
| Documentation | 10% |
| Mid-term and Final Reports | 2% |