1. **Team Name:** Team Dank
2. **Team Leader for this deliverable:** Kyle J. Hoffhein
3. **Team Members:**

Steven Hartnett,

Kyle Hoffhein,

Kyle Kwasniewski,

Jonah Tollefson

1. **Meetings:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Time-date** | **Attendees** | **Agenda** | **Action Items (who will do what)** |
| 5:00 – 30:00 PM (3/23/2017) | Steven Hartnett,  Kyle Hoffhein,  Kyle Kwasniewski,  Jonah Tollefson | Analyze the Gorillas program, and report on the background of the project and the structure of the code. Work on understanding the Gorilla program and the basic code. | **Steven Hartnett:**  Work on constructing the P-Spec.  **Kyle Kwasniewski:**  Support on constructing the structure chart.  **Jonah Tollefson:**  Support on constructing the structure chart.  **Kyle Hoffhein:**  Facilitate group activities and efforts/resources, and work on writing the report and Software Metrics. |

1. **Weekly Time Logs:**

|  |  |  |
| --- | --- | --- |
| **Person** | **Total Time in minutes** | **Tasks** |
| Steven Hartnett | 152 | P-Spec Construction. |
| Kyle Hoffhein | 157 | Facilitate group activities and efforts/resources, and work on writing the report and Software Metrics. |
| Kyle Kwasniewski | 131 | Support on constructing the structure chart. |
| Jonah Tollefson | 155 | Support on constructing the structure chart. |
| **Total Time:** | 595 |  |

1. **Issues:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Issue Number** | **Discovery Date** | **Resolution Date ( Est. – Act. )** | **Responsible Person** | **Description ( Prob / Resolution )** |
| N/A | N/A | N/A | N/A | N/A |

1. **Files and their locations:**

|  |  |  |
| --- | --- | --- |
| **Filename** | **Location** | **Contents** |
| CS3860\_TeamDank\_Structure\_Analysis.docx | changl/se3860\_cs5860/TeamDank/2\_ReengineeringProject/ | Background information, system metrics, and structure analysis documentation of the Gorillas’ system. |
| CS3860\_TeamDank\_Structure\_Analysis\_Report.docx | changl/se3860\_cs5860/TeamDank/2\_ReengineeringProject/ | Meeting notes, assigned task, and group member comments on the deliverable. |
| CS3860\_TeamDank\_PSPEC\_Analysis.xls | changl/se3860\_cs5860/TeamDank/2\_ReengineeringProject/Analysis | This file is just the P-Spec analysis information found in CS3860\_TeamDank\_Structure\_Analysis.docx. |
| StructuredChart.jpg | changl/se3860\_cs5860/TeamDank/2\_ReengineeringProject/Analysis | A Jpeg file containing an image of the Structured Chart used in CS3860\_TeamDank\_Structure\_Analysis.docx. |
| Analysis\_Prez.ppt | changl/se3860\_cs5860/TeamDank/2\_ReengineeringProject/Analysis | Power presentation of key points from the Structure Analysis deliverable. The presentation is for class on Friday (3/24/2017). |

1. **Plans for /Coming Week:**

Our plan for coming week is to break-down the project into manageable pieces by its subroutines/functions, and inspect the direct purpose of those artifacts and their algorithms, so that we may better plan and estimate how long it will take to reengineer the system. The next leader will inform the rest of the group how we will be going about working on completing the next deliverable. These steps should hopefully make reengineering the system in an OO-programming language, easier.

1. **Comments:**

**Engineer 1:** Steven Hartnett

Creating a P-Spec was really tedious, however I did learn a good deal about how the game functions. One thing I was surprised by was that, contrary to a modern game loop, Gorillas passes control of the game loops in each function it calls. So each function is its own mini game loop.

**Engineer 2:** Jonah Tollefson

For this deliverable I created the structured chart. To do so I had to look at the entire project file and be able to interpret which functions and methods are being called when and where. I never really had any experience with basic but after reading the source code I was able to understand most of it pretty easily. I believe I have gained a pretty good understanding of how the program is structured and the basic language in general.

**Engineer 3:** Kyle Kwasniewski

I learned how to read Visual Basic, also learned how the program Gorilla’s works. I also read the code to create a data dictionary which is what we did for our previous project, since we have already done this it went smoother. I also read the code to categorize different types of variables and how they are changed in the program and what different values they can be.

**Engineer 4:** Kyle Hoffhein

For this deliverable; I calculated the software metrics from the Gorilla’s software, and worked on writing the report and Structured Analysis document. Since calculating the metrics was difficult due to the structure and design patterns of the software, I had the opportunity to inspect each line of code individually. Inspecting each line of code individually allowed me to really gain a stronger understanding of the structure of the code, and the design decisions made by the developers. To truly comprehend the system, I also spent some time reading through the code and using Google to break apart the Basic code and understand the key phrases, such as “DEFINT A-Z” [which was described as assigning any variable that starts with a letter A-Z or a-z as an integer]. So, I mainly got to gain a better understanding of the system and structure of that system better.