Deliverable 2: March 9th

|  |  |
| --- | --- |
| Activity | Detailed Architecture |
| Purpose | Overall structure of the system |
| Artifact #1 | 4+1 Architectural View |
| Description | High-level structure of the system, composed of 5 views: logical view, process view, development view, physical view and scenarios. Used to describe a large system into multiple subsystems. |
| Work hour per person |  |
| Artifact #2 | Subsystems Interface Specifications/Module Interface Specifications |
| Description | Description of each subsystems meant to complete specific services, and their parameters (invalid/valid values) passed in functions. |
| Work hour per person |  |
| Start/End dates | February 11th - February 29th |
| Participants | Sean, Bruce, Emili, Nick |

|  |  |
| --- | --- |
| Activity | Detailed Design |
| Purpose | Complete class description of each subsystem |
| Artifact #1 | UML Class Diagram |
| Description | Connection between classes of each subsystems |
| Work hour per person |  |
| Artifact #2 | Dynamic Design Scenarios |
| Description | 2 dynamic design of 2 uses cases (using at least 3 system operations). This includes system sequence, operational contracts, and sequence diagrams. |
| Work hour per person |  |
| Artifact #3 | Estimation |
| Description | Estimated cost for integration, testing and documentation for each module. |
| Work hour per person |  |
| Due date | February 24th - March 8th |
| Participants | Adil, Alex, Salma, Ying-Chen |

|  |  |
| --- | --- |
| Activity | Rapid Prototyping |
| Purpose | Programming of the prototype designed using the architecture and design description. |
| Artifact #1 | Rapid Prototyping report |
| Description | Listing and commenting on classes/modules/drivers used for the rapid prototype. |
| Work hour per Deperson |  |
| Artifact #1 | Testing |
| Description | Testing code and report of the rapid prototype |
| Work hour per person |  |
| Artifact #3 | Risks |
| Description | Update of the risks, cost estimate and scoping from the deliverable 1 to deliverable 2 |
| Work hour per person |  |
| Due date | February 24th - March 8th |
| Participants | Dias, Adriel, Gabriele, Le Vinh |

Deliverable 3: April 6th

|  |  |
| --- | --- |
| Activity | Final prototype |
| Purpose | Final prototype of the a fully working software |
| Artifact #1 | Test report and instructions manuals |
| Description | 1. Test report on the entire making of the system  2. Instruction manual for future users |
| Work hour per person |  |
| Due date | March 10th - March 31st |
| Participants | Sean, Gabriele, Adriel, Le Vinh, Bruce, Dias |

|  |  |
| --- | --- |
| Activity | Testing Report |
| Purpose | Final report on all testing done on the final product |
| Artifact #1 | Test coverage |
| Description | 1. Listing of all tested items, and why.  2. Identification of 5 classes/methods and why they were tested. |
| Work hour per person |  |
| Artifact #2 | Test cases |
| Description | 1. Two mid-level units tests, with their respective test cases and descriptions.  2. Requirements testing and their test cases  3. Test cases of potential extreme system usages, and their respective description  4. Test testing regarding the security of the system |
| Work hour per person |  |
| Due date | March 10th - April 1st |
| Participants | Emili, Adil, Salma, Nick |

|  |  |
| --- | --- |
| Activity | System delivery |
| Purpose | Instructions on the system |
| Artifact #1 | Installation Manual |
| Description | Step by step instructions on how to install the system. |
| Work hour per person |  |
| Artifact #2 | Users Manual |
| Description | Step by step instructions on how to use the system. |
| Work hour per person |  |
| Due date | April 1st - April 5th |
| Participants | Alex, Ying-Chen |

|  |  |
| --- | --- |
| Activity | Final cost estimate |
| Purpose | Final coverage on the total amount of hours and money spent on the project |
| Artifact #1 | Working hours |
| Description | Final coverage on the number of hours put into the project by each person. |
| Work hour per person |  |
| Artifact #1 | Cost |
| Description | Final coverage on the costs spend on each individuals work and for technological resources |
| Work hour per person |  |
| Due date | April 1st - April 5th |
| Participants | Ying-Chen, Alex |

April 13th

|  |  |
| --- | --- |
| Activity | Finalization of the deliverable |
| Purpose | Completion of the project by submitting a complete and corrected report. |
| Artifact #1 | Final report |
| Description | Assembling and correction over the report and its content. |
| Work hour per person |  |
| Due date | April 7th - April 12th |
| Participants | Entire team |

