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| **Project Title:** Monstrosity Real Estate | |
| **Start Date:** 02/18/2020 | **End Date:** 05/08/2020 |
| **Project Manager:** | |
| **Project Sponsor:** | |
| **Customer:** Monstrosity Inc. | |
| **Users:** Employees and customers of Monstrosity Inc. | |
| **Stakeholders and Expectations:**  Team: Have ready access to individuals with the authority to make decisions regarding hardware requirements. Be given specific and detailed feedback on product increments.  Monstrosity Inc: be given a network that connects the corporate office to it’s many (5) branching offices. This must provide a secure way for employees to email one another and provide customers and employees with limited internet access. | |
| **Purpose (Problem or opportunity addressed by the project)**:  Employees of Monstrosity Inc. will have a secure platform to speak with one another. A database will also be provided to allow the company to keep track of and update any information regarding customers. | |
| **Goals and Objectives**: To give Monstrosity Inc a secure network to allow them to conduct business more efficiently. This network must be able to:   * Provide both customers and employees with internet access. * Provide a secure platform for employees to email one another. * Providing a database for company information storage, must also provide clustering and a means of backing it up. | |
| **Schedule Information (Major milestones and deliverables)**:  02/17/2020 - Gather requirements  02/17/2020 - Project Release Plan Complete  02/17/2020 - Iteration #1 Plan Complete 02/23/2020 - Project Charter Complete 02/29/2020 - Requirements Complete  03/02/2020 - Iteration #1 Complete  03/06/2020 - Project Plan Complete 03/16/2020 - BIT Presentations  03/16/2020 - Technical Prototype Complete  03/16/2020 - Iteration #2 Complete  04/03/2020 - Customer Approved UI Prototype Complete  04/03/2020 - Architecture Document Complete  04/06/2020 - Iteration #3 Complete  04/26/2020 - Test Report Complete 04/27/2020 - User Guide and System Administration Manual Complete 05/06/2020 - Product Released | |
| **Financial Information (Theoretical)**:  1 project manager at 4 hours per week for 14 weeks 56 hours \* $50/hr = $2800  2 network engineers at 4 hours per week each for 14 weeks 112 hours \* $40/hr = $8,960  224 hours total, $9520 total, avg, $42.50 per hour  Switches for all offices: $8,000  Routers and APs for offices: $6,000  Firewall Protection: $3,000  Email Protection: $600 - $1,200  Cloud Services: $14,000 | |
| **Project Priorities and degrees of freedom:** Project priorities are to make sure that the implementation of servers on the network and firewalls cooperate as expected. Price of the equipment is to get the best for what is needed. Roles are changeable based on workloads of individual team members. Roles are expected to shift throughout the project as needs arise. | |
| **Approach:** Iterative and incremental is planned. The first iteration will focus on the networking aspect of the company and getting the locations to communicate to the central location. Subsequent iterations will build upon that and incorporate more features and safety. | |
| **Constraints**: Monstrosity employees must have limited access to work related websites. Monstrosity clients must have limited access to the internet. The database must be hosted at the corporate office. The database must be created using MySQL, include database clustering, and provide a backup service. | |
| **Assumptions**: Monstrosity Real Estate network is available at all times for employees and guests in different locations. Monstrosity Real Estate should be able to effectively filter web traffic and have secure emails with spam and virus protection. While for managers and employees having access to work from home with a VPN. The database product must be able to be hosted as well. | |
| **Success Criteria**: The project will be considered a success if (1) the team delivers a network and database schematic at the end of the semester that satisfies goals mentioned above, and (2) team members obtain a passing grade on the project | |
| **Scope**: At the minimum, the project will (1) allow customers and employees to connect to the internet, (2) provide Monstrosity with a secure email connection, (3) allow employees to edit databases containing customer information. Time permitting, the scope could be extended to include (1) more offices and (2) a larger database to allow for more customers | |
| **Risks and obstacles to success**: A risk the team faces is a lack of experience in creating secure networks and limited experience in database design. This lack of experience generates a lot of unknowns. We have only a best guess for the level of work required for the features we have committed to. | |
| **Signatures**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Project Manager**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Project Sponsor**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Customer**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Technical Lead** | |