|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Design ConsiderationsTechnologies to be Employed **HTML**: Hypertext Markup Language is the standard markup language for documents designed to be displayed in a web browser.  **PHP**: Hypertext Preprocessor (or simply PHP) is a general-purpose programming language that may be executed with a command line interface (CLI), embedded into HTML code, or used in combination with various web template systems, web content management systems, and web frameworks.  **MySQL**: is an open-source relational database management system (RDBMS). Security Risks Disclosure of personal information is always a concern when using the internet. Most webhosting options provide security options. Additionally, there are a number of free security plugins available that may be used. Budget Web Hosting: $ 3-150 monthly depending on features needed and amount of anticipated webpage traffic. | Database structure ImplementationWebhosting and Turnover Webhosting options will be researched and presented to CVMA for approval. Once an account has been established, the webpage will be uploaded. A final round of testing will be done prior to turnover.  A CVMA chapter representative will be trained on database and webpage management.   |  |  | | --- | --- | |  | Combat veterans motorcycle association  Chapter 11-4  Olympia, WA | | |  | | --- | |  | |  | | Combat veterans motorcycle association | | Veterans Helping Veterans | |
| PurposePublic Facing Website The CVMA is 501c3 charitable organization that participates in many motorcycle-related charity events each year and donates to various veteran care facilities and veteran charities.  Chapter 11-4 located in Olympia needs a website to inform the community about the organization, details about fundraising events, and provide information to veterans about how to join the organization. Discussion Forum The chapter needs an effective method of discussing fundraising events, and motorcycle rides with its membership. | Rough Website Design Project ScheduleMilestones Date Functional Requirements 10/10/19  Priority Assignments 11/01/19  Webhosting Options 4/30/19  Database ER Diagram 11/20/19  Database Design 12/06/19  Webpage Design/Coding 2/15/20  PHP Coding 3/15/20  Functional Testing 4/15/20  Security Testing 4/25/20  Presentation/Acceptance 4/30/20  Implementation 5/06/20 | TestingFunctional Testing This phase will include checking that all links in the webpage function as expected including: proper page navigation, files available for download do so properly, login and logouts, and posting in the discussion forum.  Any errors identified with functionality between webpages or user input and database update will be corrected prior to moving on to security testing.   Security Testing Port Scan: A comprehensive port scan will be conducted using Nmap.  Penetration testing: Will be conducted using Skipfish.  All results will be analyzed and evaluated for potential fixes. Ports found to be open unnecessarily will be closed or filtered. |