**Product Documentation**

**To-Do Application**

Version 1.0

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**Document History:**

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| --- | --- | --- | --- |
| Timestamp | Version Number | Updated-By | Comments |
| 1/10/18  9:39 AM | 1.0 | Alaa Al-Naber | Initial Draft - Creating and setting up the documentation title page, document layout, table of contents, and content for each requirement/diagram/case |

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**1. INTRODUCTION**

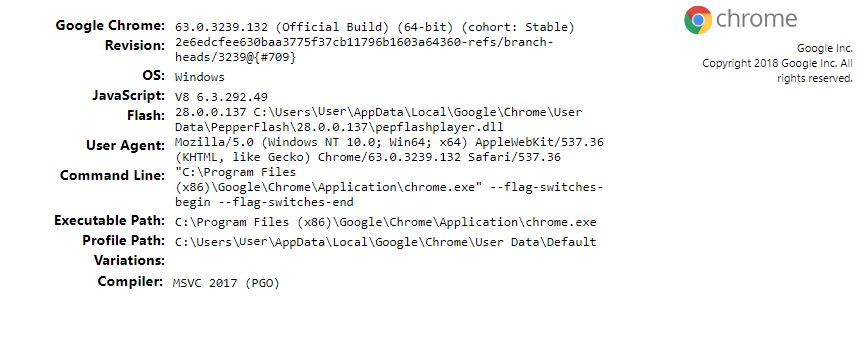
1.1 PURPOSE OF THIS DOCUMENT

This document’s purpose is to give background information of the todo-list application, and this includes requirements, diagrams, and cases. The documentation will define the functional and non-functional requirements. Diagrams included in this document are as follows; System Architecture, Data Flow, Sequence, and Class Diagrams. Use cases and Test cases will be given as well as a Database Design. This is meant as a guide for further development.

1.2 APPLICATION OVERVIEW

This application will allow you to create a task and mark its status. Totals are counted on the main page and this application is hosted on a XAMMP Stack. The todo-list app was developed on google chrome.

1.3 DEVELOPED ON CHROME



**2. REQUIREMENTS**

2.1 FUNCTIONAL REQUIREMENTS

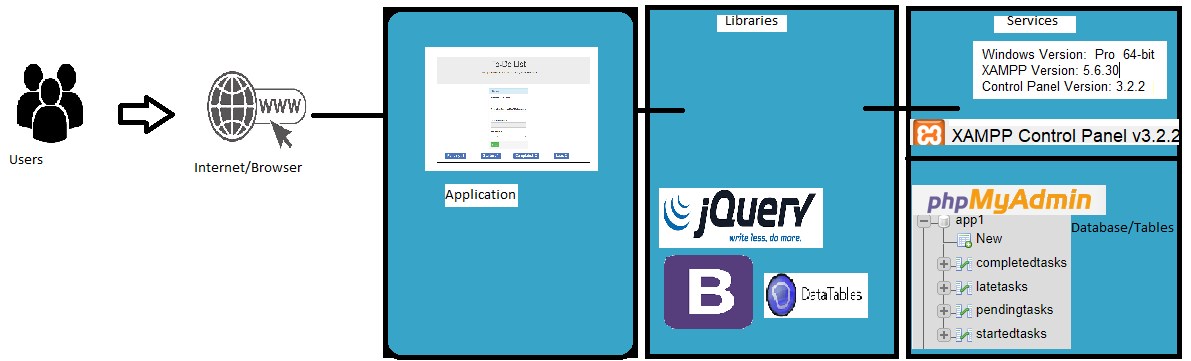
|  |  |  |  |
| --- | --- | --- | --- |
| Requirement ID | Requirement Statement | Must/Want | Comments |
| FR01 | The application must have a button to add tasks. | Must | Button can be on home screen with fields about the task. |
| FR02 | The application must have a button to delete tasks. | Must | Button on home screen. |
| FR03 | The application must have fields where a task can be entered. | Must | Fields are on home page. |
| FR04 | The application must allow someone to switch the status of a task. | Must | Use a select box to select from different status. |
| FR05 | A due date is required for each task. | Must |  |
| FR06 | Totals for each task status is counted. | Must | Add on the home page. |

2.2 NON-FUNCTIONAL REQUIREMENTS

|  |  |  |  |
| --- | --- | --- | --- |
| Requirement ID | Requirement Statement | Must/Want | Comments |
| NF01 | This application should be run on a web browser that can support html5. | Want | HTML5 attributes such as maxlength are used. |
| NF02 | The operating system must be greater than windows XP. | Must |  |
| NF03 | The machine must be able to XAMMP stack. | Must | This is a must because there is no public domain for this web application and therefore cannot be hosted on a different machine. Unless you are using the application on the intranet. |
| NF04 | This is a freely distributable application. | Must |  |
| NF05 | The space of the website will be dependent on the user’s machine. | Must | Rows are stored in the database and rows contain information about the task. |
| NF06 | The website should be secure from injections. | Want | Since this app is not public this is not much of a must. |

**3. DIAGRAMS**

3.1 SYSTEM ARCHITECTURE DIAGRAM



The software requires a desktop with a minimum 512MB of ram, and hard drive space of 1024MB.

The software is built with bootstrap as the style library and scripts. JQuery as a scripting library, these scripts include Datepicker and DataTables. The front end was developed with HTML, and JavaScript is a scripting language used for actions. The backend that is used in this software is PHP 5.6.30. The server type is MariaDB and the version is 10.1.21.

3.2 DATA FLOW DIAGRAM