Code History Visualizer



Assignment 4 and 5 - Implementation and Testing

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## **Table Of Contents**

|  |  |
| --- | --- |
| CHAPTER 1: IMPLEMENTATIO REPORT |  |
| [**Management Overview**](#h.wvbx61fw3csv)   1. [Implementation Support](#h.5hui8ztomcxz) 2. Contacts 3. Major Tasks 4. Timeline 5. Security & Privacy   **II. Implementation Support**   1. Hardware, Software, Facilities, & Materials 2. Staffing Requirements 3. Implementation Impact 4. Performance Monitoring   **VI.** [**Implementation Details**](#h.j237evvbd1mx)   1. System Requirements 2. System Implementation 3. Acceptance Criteria |  |
| [**CHAPTER**](#h.oeuvnqnxuehn) **5: TESTING** |  |
| **I. Summary**  **II. Testing Scope**  **III. Types Of Testing Performed**  **IV. Lessons Learned**  **V. Exit Criteria**  **VI. Conclusion** |  |

CHAPTER 1

Implementation Report

## Management Overview

**A. Implementation Description**

**B. Contacts**

|  |  |
| --- | --- |
| Project members | Email |
|  |  |
|  |  |
|  |  |

**Table 2:** Point of contacts

**C. Major Tasks**

Main tasks in the implementation of our projects involves

**D. Timeline**

|  |  |
| --- | --- |
| **Date** | **Description** |
|  |  |
|  |  |
|  |  |

**Table 3:** Timeline

Any further implementation tasks will be scheduled after profession assign next phase.

**E. Security & Privacy**

The server where our extracted data is hosted runs on the Virginia Tech server network, which is secured by the university. There is no risk of data invasion, or breach. Users will be able to safely access data once granted access to the system.

## Implementation Support

This section describes the support systems for our project. Implementation support includes the support hardware, software used, facilities, and materials required for the project. This section also includes documentation, people involves, outstanding issues and impact, and monitoring of performance.

**A. Hardware, Software, Facilities, & Materials**

#### Hardware

#### Software

#### Facilities

**B. Staffing Requirements**

The staff required to implement this project must have the following skills:

* Code (JavaScript, API, etc.)
* Analyze written code
* Good sense of system design
* Excellent communication abilities

**C. Implementation Impact**

The implementation of this IDEAL climate-change search engine will have a positive impact on the

**D. Performance Monitoring**

The performance of the system will be measured and monitored by instructors and other users.

## Implementation Details

This section contains information regarding any requirements of the system implementation. This involves software and hardware requirements, risks, and acceptance criteria.

**A. System Requirements**

#### Software

#### Hardware

Dedicated server with the following minimum specifications:

* Intel Core i5
* 8GB RAM
* 500GB Hard Drive
* Internet Access

**B. System Implementation**

#### Procedures

#### Code Descriptions

**Note: we need to copy paste code here**

#### Implementation Verification & Validation

To ensure that the implementation

**C. Acceptance Criteria**

The system will label as “approved” or “accepted” for production after it has be thoroughly tested, verified, and validated described in system implementation and performance monitoring section. The primary exit criteria of the system are a qualitative measure of the user-friendliness of the system and a quantitative monitoring of the system performance. It is based on the display result of the search results.

CHAPTER 2

Testing Report

## Summary

## Testing Scope

## Types Of Testing Performed

**A. Black Box Testing**

**B. Functional Testing**

## Lessons Learned

During the Usability Testing (via Black Box Testing), we realized that the interface design was not personalized to our project. This helped us learn that simply displaying results is not enough and that allowing users to interact with the organization is crucial.

## Exit Criteria

## Conclusion