**Group#11**

**A Web-Based File Management and File Security System**

**Programmer:**

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**Documentarian:**

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**General Objectives:**

* The Project aimed to develop a Web-based File Management with File Security System**.**

**Specific Objectives:**

* To Create a File Management Module where users can move a secured digital file in .pdf and .docx.
* To Integrate a two-layer security encryption on .pdf and .docx file.
* To Evaluate the Systems Security using PHP Unit test to ensure security of encrypted files.

**Scope and Delimitations:**

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| **Software Development Activities** | **Deliverables** |
| **Planning and Requirement Analysis** | * Identify Requirements * Data gathering |
| **Defining Requirements** | * Outline Gathered Data * Outline Project Plan |
| **Designing the Product Architecture** | * Identify System Flow * System Flow Diagrams * Develop System Prototype |
| **Building or Developing the Product** | * Develop Frontend Interface Design * Integrate Backend Functionality |
| **Testing the Product** | * Test System Functionalities * Test Security using PHP unit test |
| **Deployment in the Market and Maintenance** | * Handover System Development Documentation |

A **Web-Based File Management and File Security System** is a digital platform designed to manage and secure files. It reduces the reliance on hardcopy files and enables secure file sharing. This system offers an organized interface for the user’s account, folders, and file sharing. The system ensures the protection and confidentiality of the user’s digital files

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| **Modules/Components** | **Core Functions** | **Features (Enhancing Usability)** |
| Module 1: Login Functionality | * Login as Normal User * Login as Admin User * Reset Password | Well organized interface  Remember me option  Password recovery assistance |
| Module 2: Upload Functionality | * Upload .pdf & .docx |  |
| Module3: Share Functionality | * Share File | Set permission for file access (view-only, edit, and download)  Email Notification when a file is shared. |
| Module 4: Folder Functionality | * Create Folder * Add sub-Folder * Rename Folder * Delete Folder | folder creation or renaming  Sorting options by date or name  Folder search bar for quick access |
| Module 5: File Functionality | * Encrypt File * Delete File * Download File * Create memo | File encryption options |

●**File management** includes creating folders, uploading, downloading and sharing files such as .pdf and .docx files within the system.

●**File Security** focuses on protecting the files by encrypting files, so that only authorized users with the necessary key may decrypt them.

●**Evaluate the system according to ISO 25010**: Standard on Security under Confidentiality. To Ensure encryption effectiveness in protecting confidential files against unauthorized access.