**Project Concept Pitching**

1. Project Title

Web-based File Management and File Security System

1. Background (your storyline)

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| The Storyline |
| Diaz Grocery store is one of the famous grocery stores here in Barcelona. |
| But they have an unsecured file storage room. |
| The owner has confidential papers in the file storage room. |
| Now the owner is worried that if her other employees might see the confidential papers. |
| However, with the number of hard copies of files in the grocery store, the owner gets confused while she is organizing it. |
| And it is time-consuming for her to do it manually. |
| The owner of the Grocery Store is having a hard time finding some of the files because some of them are old and some of the labels have been blurry and erased. |
| The owner started thinking of how she could address her problem in her grocery store. |

1. Main Problem

Absence of a Digital Platform in the Grocery Store.

1. Your Project Proposition
   1. Target customer

-The owner of the Grocery Store

* 1. Statement of need or opportunity

The need for a Web-Based File Management and File Security System arises from the increasing reliance on digital documents, necessity to ensure confidentiality, and accountability.

* 1. Project Description

Web-Based File Management and File Security System is a digital platform designed to efficiently manage and secure files. It reduces the reliance of hardcopy files and enables secure file sharing. This system offers a well-organized interface and two-factor authentication for the user’s account, folders, and file sharing. This kind of security measure just not only protects authorized accounts but also ensures the security of important files.

* + 1. Functions (what it do; necessary to deliver system objectives) and features (nice to have that can enhance user experience but aren’t necessary or core for the system to perform its intended objectives)
    - User Registration and Authentication
    - File Upload and Encryption
    - File Management and Sharing
    - Folder Management:
    - Access Control
    - Push Notifications
    - Security Measures
    - User Settings and Preferences
    - Help and Support
    - Backup and Recovery
    1. Technology that will be used

Laravel(php)

MYSQL

CLOUD SQL

XAMPP

HTML, BOOTSTRAP

APIs

AES encryption

Visual Studio Code

* 1. Key benefit of the project

1. Enhanced File Security
2. Efficient File Management and Reduced Reliance on Hardcopy Files
3. Secure File Sharing
4. User-Friendly Interface
5. Multi-Factor Authentication
6. Notification System

* 1. Statement of primary differentiation (Innovation done; what makes your project different from the existing/past similar projects). Support your statement by showing the table containing your research.

1. **Advanced Security Measures.** Our system implements AES encryption for file uploading, guaranteeing end-to-end protection of all stored data. With two-factor authentication, including facial recognition and traditional passwords, we fortify user accounts, folders, and file sharing activities. This encryption standard ensures that only authorized individuals can access information, enhancing overall system security.
2. **Granular Control Over File Sharing.** Unlike conventional file sharing platforms, our system introduces a private key-based encryption method for shared files. This means that encrypted files can only be decrypted by authorized recipients who possess the requisite private key. Moreover, even after decryption, the sender maintains control over file access providing digital authorization through push notification, ensuring that file remains under the sender’s discretion.
3. **Efficient and Intuitive User Experience.** Our platform prioritizes user experience with a well-organized interface designed for file management and organization. With a well-structured interface and user-friendly design lessen dependence on physical documents, simplifying tasks and enhancing workflow efficiency without compromising security.
4. Mockups (2 visual design showing your project idea)



