

# Secure Notes Organizer

## Description

The "Secure Notes Organizer" is a desktop application designed to provide users with a secure and organized way to manage sensitive information. The primary focus of the application is to allow users to create, store, and organize notes in a secure environment, ensuring the confidentiality of the stored information.

A single server will be running that will save all the users' encrypted authentication data and all the notes. Multiple clients should be able to connect to the server allowing the users to login and see their notes, edit them or add new notes

## Basics

- Single server, multiple clients
  - Multiple users will connect to the single server
- Single client per user (single device)
- Responsive UI

## Main functionality

- Create and edit notes (locally) [Mary](#)
- Organize notes using tags [Hany](#)
- Secure syncing (encryption/hashing) [Yousef](#)
- User authentication (login) [Ayman](#)
- Customizing note (color) [Ashraf](#)

## Advanced functionality

- Rich text (markdown)
- Search notes
- Sharing notes

- Collaborative editing
- Offline mode

## Phase 1: Planning and Design

- Functional specification for the features
  - Writing **functional specs** is the main thing that defines how your product works, how the user will interact with it and so on. It helps keeping your mind focused on the end goal
- Project Design
  - Designing before implementation is a good practice, implementing without having a clear design can lead to multiple changes which can be time and effort consuming
  - The design includes **class diagrams**, **use case diagrams** and **UI design**
- Work breakdown structure
- **Tasks on Jira with rough estimates and assignees**

## Phase 2: Implementation

- Implement the features stated in Phase 1
- Unit testing for features
- Integrate the features together

## Phase 3: Testing

- System testing for the whole app

## Phase 4: Presentation

- Finally, a good presentation to finalize your work