**Project overview and features**

Passer is a password manager web application meant to help users with handling all the passwords they are using for multiple applications or websites. The main requirement for the users is to create a valid account. Every sign in will have meta-data associated, like title, username, password, website, comments or maximum time of password availability. One of the main features will be the possibility to sort the passwords by their level of strength, the frequency of usage or the type of website they are being used for. Also, a password generator will be available, in order for the users to receive a secure, random and unique password when needed. The possibility of exporting the data in an CSV, JSON or XML format will also be available. All the passwords will be securely stored, based on a persistent storage system like, for example, a server of databases.

**How it works**

The user will access the website and click on the *Register* button available in the top right corner, on the *Home* page. The website will require an username, e-mail address and a password that will be written twice to ensure the accuracy. After clicking the *Register* button, the user will have to confirm the creation of the new account by clicking a link sent to their e-mail address and the registration process will be completed. If the user already has a valid account, they can log in using the button available next to *Register*. These two options are also available on the left side of the page, in the main menu of the website. Besides the *Register* and the *Log In* button, more titles are available for clicking: *Why to use Passer*, *Add New Account* and *Category.*

*Why to use Passer* provides arguments for the user, in order for them to understand what Passer is, how it works and how it can be helpful for them. It also brings useful information on how to get started with using the website.

*Add New Account* is the place where the user can add those accounts that they want the passwords to be saved for. Basically, this is the main feature of Passer. As described before, every sign in registered here will have meta-data associated, like title, username, password, website, comments or maximum time of password availability.

*Category* is the second important feature made available by Passer to their users. Here, they can sort all their password based on multiple criteria, in order for the information to found easily when needed.

The third functionality described, *Password Generator*, will also be soon available to the users.

**Technologies**

For *Front-End* we used *HTML* and *CSS* which are very uilized for web pages and web applications, and also are very easy to use and understand ,all browsers supporting them.

For *Back-End*a database will be uitlized for storing informations. It will contain different tables which are assembled and populated by application personnel or application users.

The types of information can also be defined by the application . The database is well designed to store these types of information in different tables and do the relations to other tables using primary and foreign keys.