***Final Project 2022***

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# **Summary**

## **Goal**

* + The main goal of my project is to present C++ Application. I have created an amazing algorithm and an easy to use and understand styled UI.

## **Stages of Realization**

* + First, I discussed ideas related with the project.
  + I started writing the code for my application.
  + I made the presentation, documentation and README.

## **Used Technologies**

|  |  |
| --- | --- |
| Visual Studio | Used as a base where to write the code. |
| Icon  Description automatically generatedIcon  Description automatically generatedVisual Studio Code | Used to make the README file. |
| Icon  Description automatically generatedGitHub | To synchronize and upload the project’s files. |
| Download Microsoft Word (Multi-Tool Word) Logo in SVG Vector or PNG File  Format - Logo.wineWord | For documentation. |
| Icon  Description automatically generatedPowerPoint | For presentation. |
| Krita - WikipediaKrita | For logo. |

# **Block Diagram**

Diagram

Description automatically generated

# **Functions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| File | **Name** | **Type** | **Parameters** | **Purpose** |
| Admin.cpp | addRepo() | void | - | Function for adding to the linked list |
| getProjectRepos() | REPOSITORY\_LIST\* | - | Function for getting repos |
| initialiseRepos() | void | - | Function for initializing repos |
| AccountSystem.cpp | addAccount() | void | ACCOUNT account | Function for adding account to the linked list |
| isNameValid() | bool | std::string name | Function for checking validity of name |
| isPassValid() | bool | std::string password | Function for passing the validity |
| isMailValid() | bool | std::string email | Function for mail validity |
| countSymbols() | int | char symbol, std::string word | Function for counting symbols |
| isEmailStartsWith() | bool | std::string email | Function for starting email typing |
| AccountSystem.cpp | counterUpperCase() | int | std::string password | Function for counting upper symbols |
| isNameContainsNumbers() | bool | std::string name | Function for checking for containing numbers |
| searchAccount() | ACCOUNT | std::string email, std::string password | Function for searching account |
| initialiseAccounts() | void | - | Function for initializing accounts |
| Admin.cpp | removeProjectRepos() | void | - | Remove Project Repos |
| EventForm.h | HideAdminTextBoxes() | void | - | Function that turn off the readonly mode for textboxes |
| ShowAdminTextBoxes() | void | - | Function that turn on the readonly mode for textboxes |

# **Conclusion**

The project taught me how to work alone, take responsibility and gave me the skill to allocate my time properly. I also developed a lot in writing in C++.