LInked lists project

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# 1.Authors

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# 2. Programs we used

* Visual Studio 2019 – to make our project in general
* Discord – to communicate
* Github – for better teamwork
* Excel – for our QA documentation
* Photoshop – for our logo

# 3. Summary

## 3.1 Goal

Our goal is to make an interesting program about history events. The program idea is add, delete and search events. You can always leave the program.

## 3.2 Stages of realization

***First stage*** (***planning)*** – The first thing was to create a group in Discord to distribute roles to each person in our team and to decide which days and which time we can talk to discuss our problems. We also considered the idea of the program and when all of us agreed for one of the ideas, we started to work.

***Second stage*** ***(realization)*** – When we started to work, we had to talk and discuss code errors or new functionalities for the menu or for the program all in all.

***Third stage(documentation and presentation)*** - When we have finished with work on code, we made documentation and presentation to present our project easier.

## 3.3 Level of difficulty main problems during realization

We had bunch of problems such as the fact we didn’t have good program ideas at first but with discussing we removed them. We had some other problems, but we solve them quickly and after that we improved our work and finished our tasks on time. The lack of communication was a problem at first too.

4. Flow chart

Diagram

Description automatically generated

# 5. Description of the functions used

|  |  |  |
| --- | --- | --- |
| **Function Name** | **Type of function** | **Purpose** |
| push(Node\*\* head\_ref, string new\_data) | void | Add new first element |
| printList(Node\* node) | void | Display the list |
| getCount(Node\* head) | int | Get size of the list |
| deleteAtPosition(Node\*\* head\_ref, int position) | void | Delete an element at given position |
| searchData(Node\* head, string key) | string | Search string in the list |
| menu(int chooseOption) | void | Display the main menu |
| actions() | void | Action’s navigation |
| actionsMenu(int counter) | void | Display Action menu |
| howToUse() | void | Display -How to use- |
| credits() | void | Display our names |
| move() | void | Choose an option in the menu |
| goBack() | void | Go back to the main menu |
| options() | void | Navigation with the options in the main menu |
| addInfo() | void | Add information menu |
| deleteInfo() | void | Delete information menu |
| searchInfo() | void | Search information menu |