# Design

SDV602

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18/11/22

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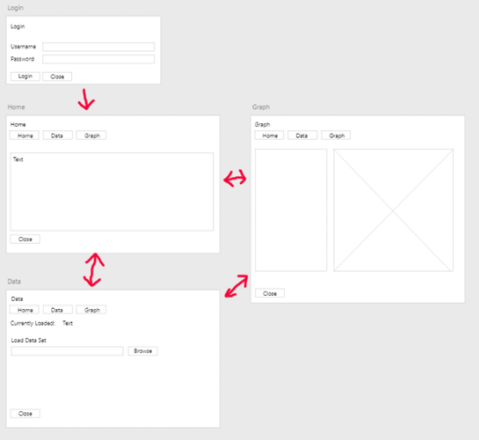
# Storyboard

The original storyboard is displayed on the left, and the new one is displayed on the right. It is necessary to make a few changes in order to comply with specifications.

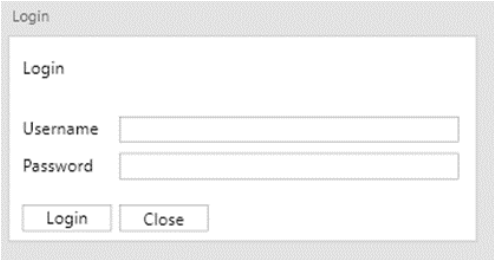
After the user has created a new login, he or she will be able to begin using the program by logging in once the registration process has been completed. A CSV file can be selected by the user and the application will display the data as a graph based on the selected values from the CSV file. There is an option for the user to chat using the chat box and if the user wishes to compare graphs, the user can create a new window for that purpose.

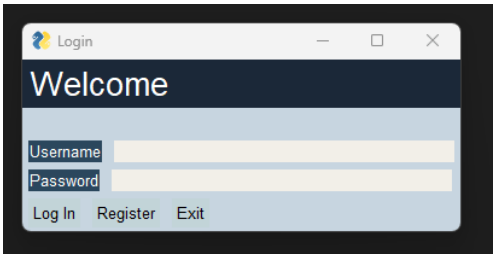


## Changes

The original intent was to have one main program that the user would navigate through, while only maintaining one screen at a time, but this would not comply with the specifications, so moving towards a multi-screen application was the right thing to do to be able to meet those requirements.

# Login



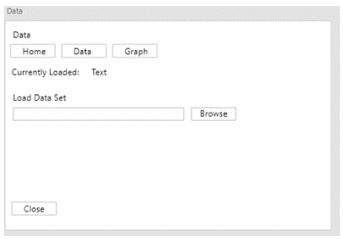

The original design can be seen on the left while the updated design can be seen on the right.

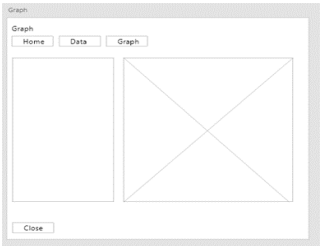
| **Component** | **Type** |
|---|---|
| header | Text |
| usr_label | Text |
| usr_entry | Input |
| pw_label | Text |
| pw_entry | Input |
| blank | Text |
| login_button | Button |
| register_button | Button |
| exit_button | Button |

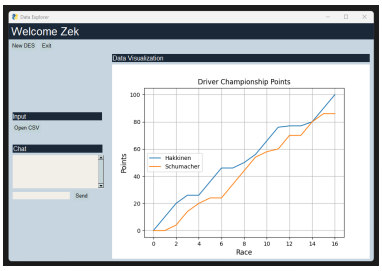
## Changes

The login screen did not undergo a great deal of change. Initially, I did not intend to include a registration button so only special users would be able to access the program, however, this was changed in the later stages. Design and colour changes have been made to the user interface.

# DES Screen




The original design appears at the top and the newer design appears at the bottom.

| **Component** | **Type** |
|---|---|
| header | Text |
| new_button | Button |
| exit_button | Button |
| figure_select | Button |
| input_label | Text |
| canvas | Canvas |
| canvas_label | Text |
| chat_label | Text |
| chat_input | Input |
| send_button | Button |
| chat_log | Multiline |
| blank | Text |
| column1 | Column |
| column2 | Column |

## Changes

Most of the changes have been made here. Initially, the user was required to navigate between three screens. Due to the fact that this did not meet the requirements, changes had to be made. All the screens were merged into one in the final product. Additionally, a chat system was incorporated into the most recent design.