Prototype of the user interface

A- Map interface of the application

Home page

Pilot menu

Officer menu

Consult an element

Consult an element

Add an element

Assign elements
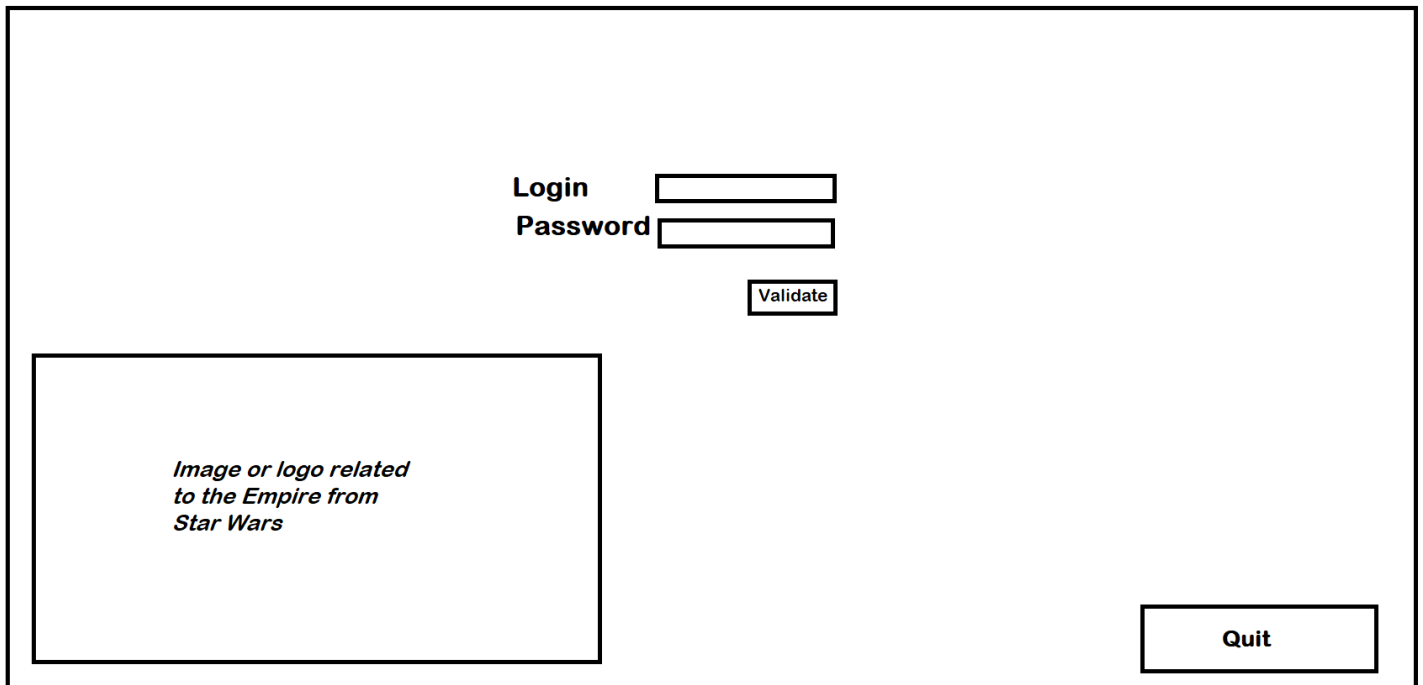
Modify an element
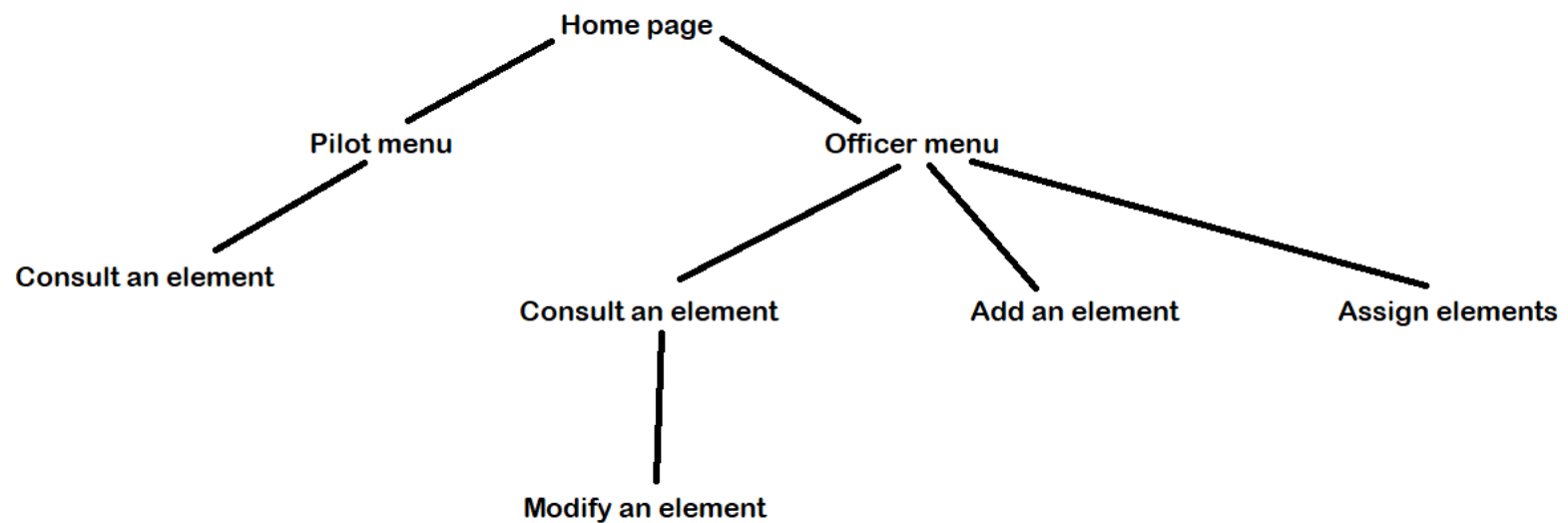
This map represents the different pages of the application and from which page can they be accessed. Each branch can also be accessed backward. For example, if you are in the "Add an element" page, it is possible to get back to the previous page which is the "Officer menu" page.

B- Details of each page

1- Home page

Login [   ]
Password [   ]

[Validate]

Image or logo related
to the Empire from
Star Wars

[Quit]

This is the first page of the application, which asks the user to enter his login and password (that will be given for each user). According to his role, which can be Pilot or Officer, the user will access to the Pilot menu or the Officer menu. An error message will be shown to the user if the login and password is incorrect.
There is also a Quit button to exit the application.

2 - The Officer menu

Session of officer [username]

This is the page shown when an Officer is logged into the application. The officer can have a view and control of all the data in the application.
In this menu, there is a display table in the middle that will show data elements (Pilots, Tie fighters or Flights) according to the search options that he chose.

The Officer can only display one type of element at the same time. In this example; the Pilots square is checked so the display will only print the Pilots elements.
The search options are the Search bar at the top right corner and the Order elements menu at the left. The search bar allows the user to enter the name of an element and to print all the elements that contain in their name what the user is typing. The order element menu allows the user to choose an order to display data according to the elements type. Each type of element will have different sort order based on their characteristics. For example, the Pilots can be ordered by their age, Tie FIghters by their model, and Flights by their flight duration.

The Assign elements button leads to the "Assign elements" menu.
The Officer can also click on an element of the table in order to access the "Consult menu" of the element he clicked on. The Add an Element leads to the "Add an element", and the type of the element that will be created will be chosen by the square checked on top of the display table. The Add an Element is not available for Flights since they are created in the Assign elements menu. The Add an element does not appear when the Flight's square is checked. There is also a Disconnect button to quit the current user session and to come back to the login home page.

3- Creation menu

Enter the information inside the textfield to create the new element

Element information 1 : [   ]

Element information 2 : [   ]

Element information 3 : [   ]

Element information 4 : [   ]

Element information 5 : [   ]

Element information 6 : [   ]

Element information 7 : [   ]

Element information 8 : [   ]

[Cancel]   [Validate]

This Creation menu is accessed by clicking on the "Add an element" button of the Officer menu. This page shows all the data needed to be entered by the user in order to create the Element. The data that has to be entered will depend on the element type previously selected in the Officer menu (Pilot or Tie fighter). There is some data such as the number of rebel fighters destroyed for the Pilot that will not need to be entered by the Officer and will be automatically generated.

Once all the text fields have been completed, the user can click on the Validate menu to create the element, and get back to the Officer menu with the new element printed inside the display table. An error message will be displayed if some text fields are empty or have incorrect data (for example, if a Pilot name contains a number). The user can also cancel the actual creation of an element and get back to the Officer menu with the Cancel button.

4- Assign elements

Choose a pilot to assign

Order elements by ▽ 🔍 Search by name ...

Sort order 1
Sort order 2
Sort order 3
Sort order 4

Pilots list

Pilot1	info 1	info3	info4	info5	△
Pilot2	info 1	info3	info4	info5	
Pilot3	info 1	info3	info4	info5	
Pilot4	info 1	info3	info4	info5	
Pilot5	info 1	info3	info4	info5	
Pilot6	info 1	info3	info4	info5	
Pilot7	info 1	info3	info4	info5	▽

Cancel Validate

Choose a fighter to assign

Order elements by ▽ 🔍 Search by name ...

Sort order 1
Sort order 2
Sort order 3
Sort order 4

Fighters list

Fighter1	info 1	info3	info4	△
Fighter2	info 1	info3	info4	
Fighter3	info 1	info3	info4	
Fighter4	info 1	info3	info4	
Fighter5	info 1	info3	info4	
Fighter6	info 1	info3	info4	
Fighter7	info 1	info3	info4	▽

Cancel Validate

Create a flight to assign the pilot/fighter

Flight information 1 : _____
Flight information 2 : _____
Flight information 3 : _____
Flight information 4 : _____
Flight information 5 : _____
Flight information 6 : _____
Flight information 7 : _____
Flight information 8 : _____

Cancel Validate

This menu will allow an Officer to assign a Pilot and a Tie fighter to a Flight. The Pilot and the Tie fighter will need to exist in the datas of the application to assign them. The Officer will have to make 2 choices, one for the Pilot and one for the Tie fighter. After that, he will need to create a Flight element that will be assigned to the Pilot and Fighter by entering all the data of that Flight element.
Once one step of this process is validated, the menu view is updated to the next step or is closed if the assignment has been completed correctly.

The first two views contain the same display table and search options (order menu and search bar) as the Officer menu. The user will have to click on the element chosen inside the display table and then click on the validate button to go to the next step. The color of the element chosen will slightly change inside the table so that the user can see which element he had chosen.
The third flight will be exactly like the Creation element menu, but for the creation of a Flight element with all its information. The Validate button will save the assignment only if the datas entered for each information are valid. An error message is printed if not, and the datas is needed to be re-entered by the user.
The user can also click on the Cancel button to cancel the assignment and get back to the Officer menu.

5- Pilot menu

Session of pilot [username]							

Search by name …

Order elements by

Sort order 1
Sort order 2
Sort order 3
Sort order 4

Flight history

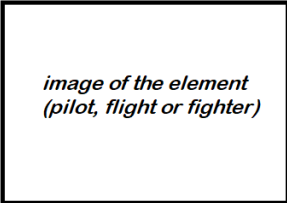| Flight 1	info 1	info 2	info 3	info 4	info 5	info 6
Flight 2	info 1	info 2	info 3	info 4	info 5	info 6
Flight 3	info 1	info 2	info 3	info 4	info 5	info 6
Flight 4	info 1	info 2	info 3	info 4	info 5	info 6
Flight 5	info 1	info 2	info 3	info 4	info 5	info 6
Flight 6	info 1	info 2	info 3	info 4	info 5	info 6
Flight 7	info 1	info 2	info 3	info 4	info 5	info 6

Disconnect

This menu is accessed if the user connected is a Pilot. This menu is similar to the Officer menu with the display table and the search options (order elements menu and search bar).

But this menu is adapted to the Pilots rights, so there is no access to the "Assign element" or "Add elements" menu. The data table is only printing the flight that the Pilot actually connected took part in, and the type of elements printed by the table cannot be modified

The Pilot can also click on the element of the table to access the Consult menu of the element that has been clicked on by the user.

The button Disconnect allows the user to quit his session and get back to the login menu.

6- Consult element menu

image of the element (pilot, flight or fighter)	**Important element information 1 :** lorem ipsum dolor sit amet
	Important element information 2 : lorem ipsum dolor sit amet
	Important element information 3 : lorem ipsum dolor sit amet

Element information 1 : lorem ipsum dolor sit amet

Element information 2 : lorem ipsum dolor sit amet

Element information 3 : lorem ipsum dolor sit amet

Element information 4 : lorem ipsum dolor sit amet

Element information 5 : lorem ipsum dolor sit amet

Element information 6 : lorem ipsum dolor sit amet

Element information 7 : lorem ipsum dolor sit amet

Modify	**Delete**	**Cancel**

This menu can be accessed by both the Officer and the Pilot, but there are some options that change between the two roles.

The main use of this menu will be to consult all the details and information about an element. Depending on the elements printed, all the datas about them will not fit in the display table of the Pilot and Officer menu. So this will be a way to have a large view of an element.
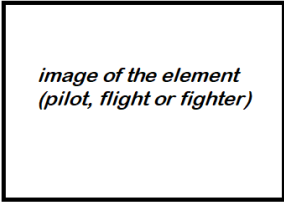
An image corresponding to the element type will be printed, and next to it the element considered as "Important" will be put next to it. Those elements concern things such as names, ID, and other information that defines the identity of the element. In the bottom will be printed the other information that is considered less important and that may not figure inside the display table of the Pilot and Officer menu.

There are also some options like Modify and Delete that are exclusive to the Officer (those buttons won't show if a Pilot is in the Consult element menu).

The Delete buttons will delete the element inside the datas of the application and will not figure in the display table once deleted. And the Modify button will lead to the "Modify menu".

The Cancel button is available for both the Pilot and Officer, and will allow the user to get back to the initial menu.

7- Modify element menu

image of the element (pilot, flight or fighter)	**Important element information 1 : lorem ipsum dolor sit amet**
	Important element information 2 : lorem ipsum dolor sit amet
	Important element information 3 : lorem ipsum dolor sit amet

Element information 1 : `lorem ipsum dolor sit amet`

Element information 2 : `lorem ipsum dolor sit amet`

Element information 3 : `lorem ipsum dolor sit amet`

Element information 4 : `lorem ipsum dolor sit amet`

Element information 5 : `lorem ipsum dolor sit amet`

Element information 6 : `lorem ipsum dolor sit amet`

Element information 7 : `lorem ipsum dolor sit amet`

Validate   **Cancel**

This menu can only be accessed by the Officer inside the "Consulting element menu".This menu is similar to the consult one, and allows the user to modify information of the element with text fields. The elements considered as "important" are for the most unchangeable (such as names, IDs etc….).
Once the Officer has entered all the changes he wanted, he can click on the Validate button to apply the changes on the element. If some datas is not correctly changed (example: a letter is entered in a field that requires number only), an error message will appear when the Validate button is activated and the changes won't be saved until the data is correctly entered.
The Cancel button allows the user to get back to the initial menu