

Drone Competition Manager

Carlos Manuel Martínez Pomares
1º DAM SEMIPRESENCIAL

TABLE OF CONTENTS

1. USER MANUAL.....	3
2. CHANGES MADE FROM ORIGINAL VERSION.....	7
3. CLASS DIAGRAM.....	8

1. USER MANUAL

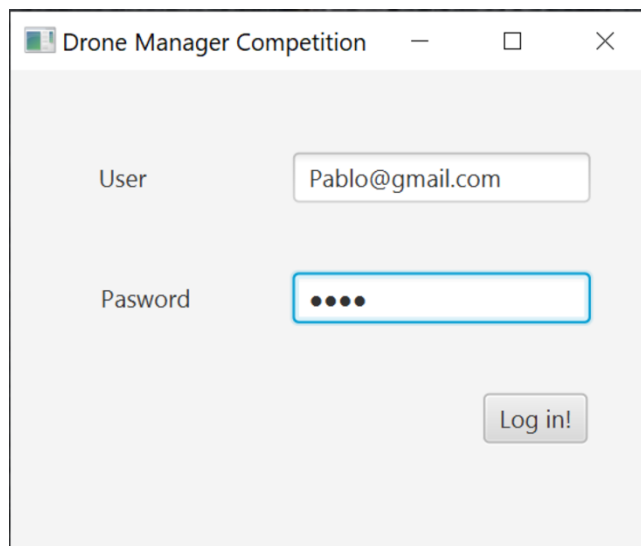
The project consists of the development of an app for the management of drone competitions in (f.p.v).

The App can be used by both drone pilots and competition administrators.

Users (Admins and Pilots) will be previously registered in the app's database through a form on the Drone Racer League website, where they will receive a password.

To start using the "Drone Competition Manager" App, users must log in throw this window

type de login y the text field "User", type de pasword in the text fileld pasword and press "Log in!" button.



Using the password previously provided, the app will analyze the password and determine the type of user, showing a different menu in each case.

Some Passwords and logins:

(Admins)	Login	Password
	Pablo@gmail.com	0000
	Ismael@gmail.com	5150
(Pilots)	Login	Password
	Merino@gmail.com	1234
	Drew@gmail.com	1234
	Carlos@gmail.com	1234

If the password entered is of the "pilot" level, a menu will be displayed with different

options (Register in a competition, Show ranking and Log out) in next picture.

Pilot Menu

The screenshot shows a web application window titled "Drone Manager Competition". At the top, it displays the user's email "Merino@gmail.com" and a "Log Out" button. Below this is a list of competitions, each with a name and a date. The list is enclosed in a blue border. The competitions listed are:

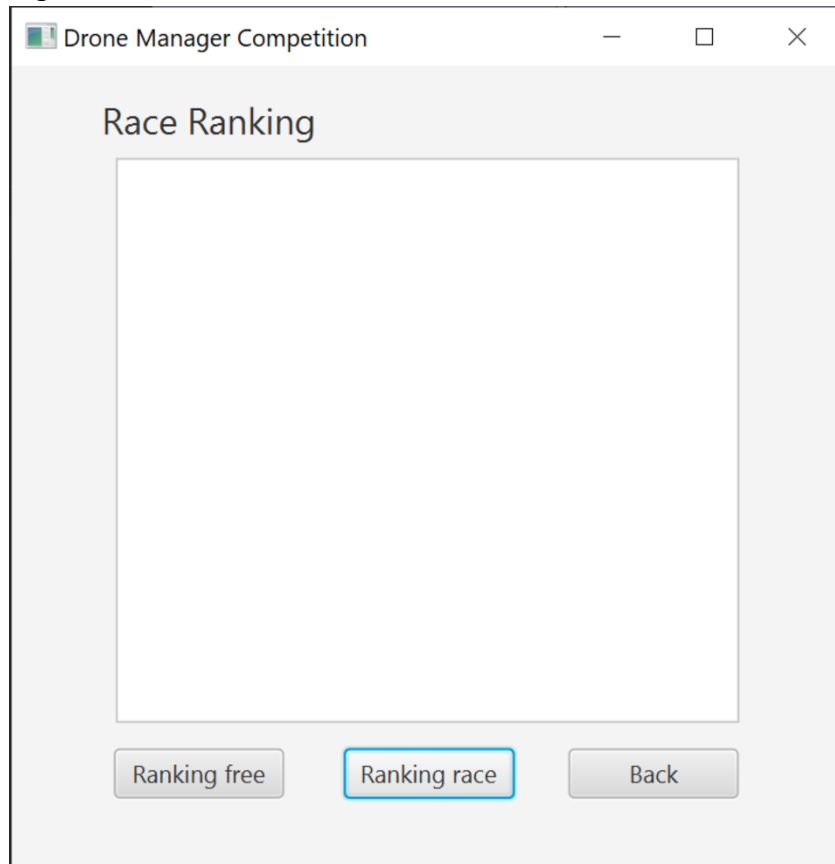
- Competition_San Blas_alicante_RACE_5_2022-05-22
- Competition_Brand new race_Leeds_RACE_5_2022-05-22
- Competition_Big ben free_London_FREESTYLE_4_2022-04-28
- Competition_Race for freedom_Manchester_RACE_10_2022-04-28
- Competition_Super race_Leeds_RACE_8_2022-04-28
- Competition_Nation drib_Liverpool_FREESTYLE_10_2022-04-28
- Competition_Fast city_Leeds_RACE_8_2022-04-28
- Competition_Fire Race_Manchester_RACE_8_2022-05-22
- Competition_Speed Power_London_RACE_24_2022-05-25

Below the list is a section titled "Competition" with a horizontal line. Under this section, there are four input fields: "Name", "City", "Max participants", and "Type". To the right of these fields is a large empty box labeled "Pilot/Rankings". Further right is a "Nick" input field, a "Register" button, and a "Show Rankings" button.

First select a competition from the list the listView Pilot shows pilots inscribed inside competition selected, then type your nick for this competition in the text field "nick" if nothing is entered, it will be notified by means of an alert screen.

The screenshot shows an error dialog box titled "ERROR". It has a red "X" icon in the top right corner. The text "Error" is displayed in the center. Below the text, it says "Please enter nickname". At the bottom right, there is a blue button labeled "Aceptar".

Show Ranking: When we press this button another window will be shown.

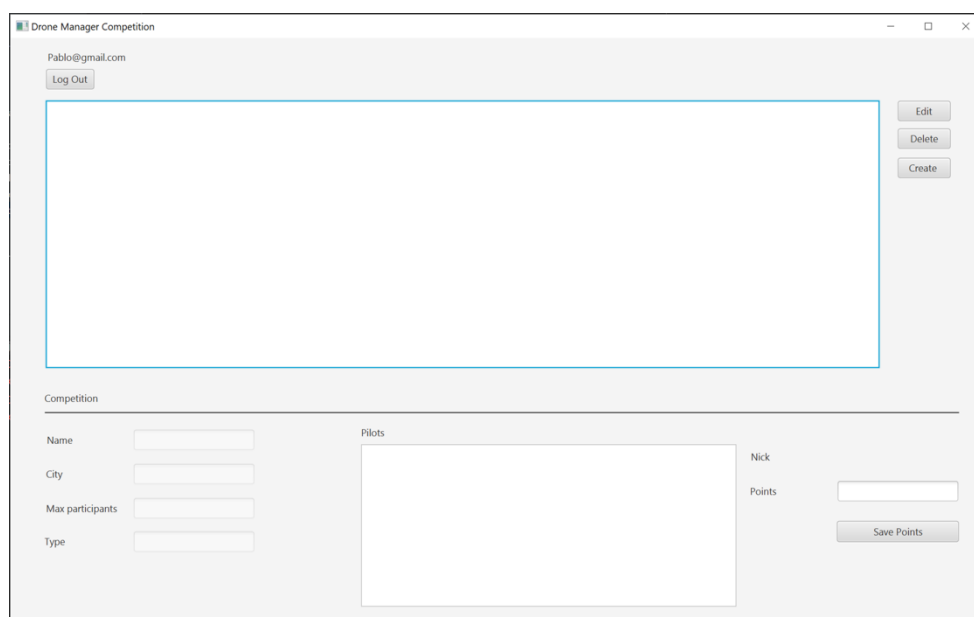


If we press the "Ranking Free" button it will show us a list of pilots ordered by their free-style points and we press the "Race Ranking" button it will show a list of pilots ordered by their race points.

Pressing the back button we return to the pilot window.

Admin Menu:

If we register using an administrator password we will access the Administrator window.



Edit:

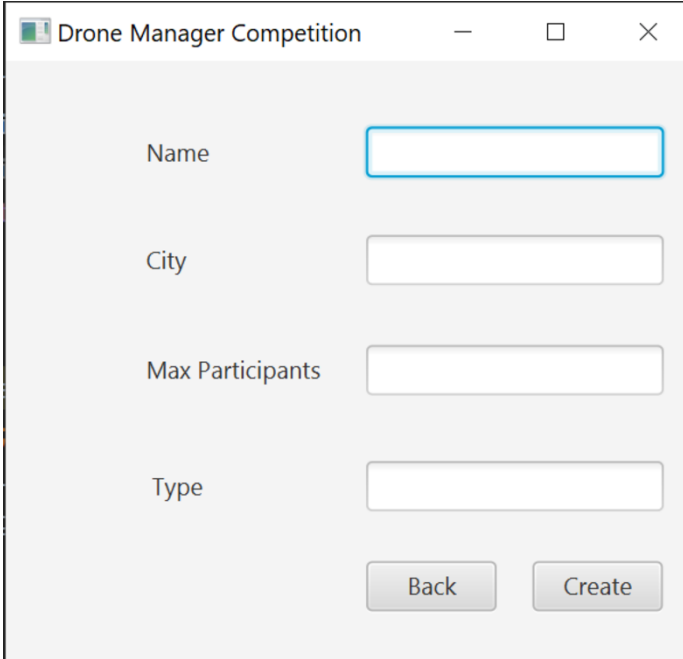
The administrator will be able to edit a competition if he previously selects it from the list, then the text fields will be unlocked and he will be able to edit the name, the city, the maximum number of participants and the type and he will be able to press the edit button the changes will be saved.

Delete:

to delete a competition the administrator must select a competition from the list and press the delete button the competition will be deleted from the list and the changes will be saved.

Create:

To create a new competition, the administrator must first press the create button, this will take us to a new window.



The screenshot shows a window titled "Drone Manager Competition". Inside the window, there are four text input fields arranged vertically, each with a label to its left: "Name", "City", "Max Participants", and "Type". The "Name" field is currently selected, indicated by a blue border. Below these fields are two buttons: "Back" and "Create".

In this window, the administrator must fill in the text fields Name city, maximum participants and type to create the competition by pressing the Create button Pressing the Back button will return to the administrator menu.

log out button:

Both in the Administrator window and in the pilot window there is a button "Log out" by pressing this button the window to log in appears again, asking for the login and password.

2. CHANGES MADE FROM ORIGINAL VERSION

The main differences with respect to the initial version are in the part of the data model, the freestyle pilot class and the race pilot class no longer exist, only giving the pilot class an extension of the user class so that a pilot can register in both a race competition as in a freestyle competition.

Another important difference with the initial version is that it is doing a version in FX I have had to create many more classes among them the administrator controller the user controller the create controller the ranking controller the pilot controller and a class for tools.

I had to discard some features of the preliminary version, such as showing statistics of a single competition, this led me to have to create another controller and another screen and their logic.

Instead, I have added improvements with the first version in this one you can edit a race and delete a race in the first version ignore these details.

3. CLASS DIAGRAM

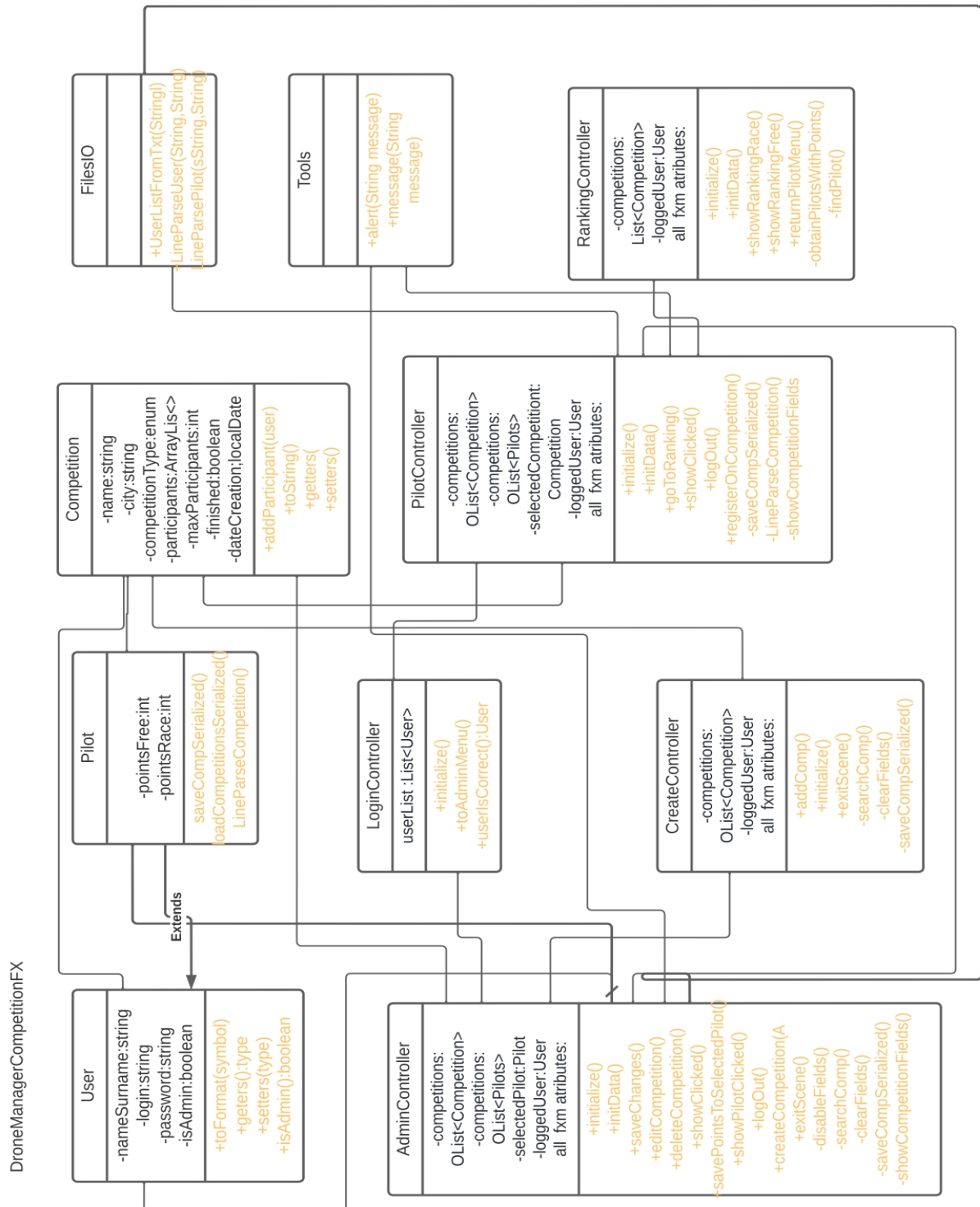


Image 1. Class diagram