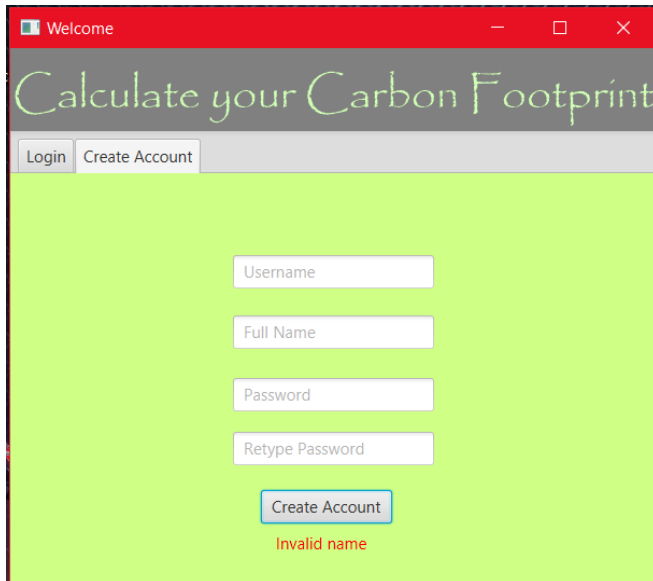


# TESTING

(the styling wasn't finished when the testing was done, but the program was)

Create account page:



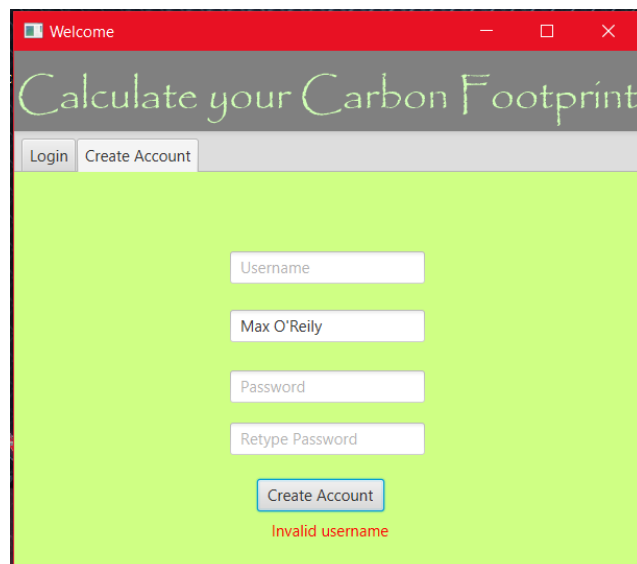
A screenshot of a web application window titled 'Welcome'. The main heading is 'Calculate your Carbon Footprint'. Below the heading are two tabs: 'Login' and 'Create Account'. The 'Create Account' tab is active. The form contains four input fields: 'Username', 'Full Name', 'Password', and 'Retype Password'. Below the fields is a 'Create Account' button. A red error message 'Invalid name' is displayed at the bottom.

No name is a invalid name



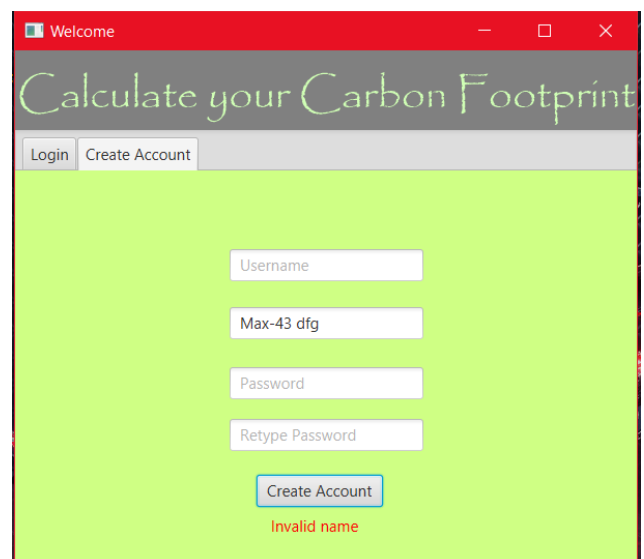
A screenshot of the same web application window. The 'Full Name' field is now filled with 'Maxheey'. The 'Create Account' button is highlighted. A red error message 'Invalid name' is displayed at the bottom.

Name has to be 1<sup>st</sup> and last name



A screenshot of the same web application window. The 'Full Name' field is filled with 'Max O'Reilly'. The 'Create Account' button is highlighted. A red error message 'Invalid username' is displayed at the bottom.

Special cases work (name check comes before username)



A screenshot of the same web application window. The 'Full Name' field is filled with 'Max-43 dfg'. The 'Create Account' button is highlighted. A red error message 'Invalid name' is displayed at the bottom.

More proof of proper full name

Calculate your Carbon Footprint

Login Create Account

Sarah123

Sarah Jordan

.....

.....

Create Account

Passwords don't match

This screenshot shows the 'Create Account' form with a red header. The title 'Calculate your Carbon Footprint' is in green. Below the title are 'Login' and 'Create Account' buttons. The form has four input fields: a first name field with 'Sarah123', a last name field with 'Sarah Jordan', a password field with seven dots, and a confirm password field with seven dots. A 'Create Account' button is at the bottom. A red error message 'Passwords don't match' is displayed at the bottom of the form.

Passwords need to match

Calculate your Carbon Footprint

Login Create Account

Max

Max Villeneuve

....

...

Create Account

Password must be at leased 6 characters

This screenshot shows the 'Create Account' form with a red header. The title 'Calculate your Carbon Footprint' is in green. Below the title are 'Login' and 'Create Account' buttons. The form has four input fields: a first name field with 'Max', a last name field with 'Max Villeneuve', a password field with four dots, and a confirm password field with three dots. A 'Create Account' button is at the bottom. A red error message 'Password must be at leased 6 characters' is displayed at the bottom of the form.

Password needs to be over 3 characters

Login page:

Calculate your Carbon Footprint

Login Create Account

Username

Password

Login

Please fill all fields

This screenshot shows the 'Login' form with a red header. The title 'Calculate your Carbon Footprint' is in green. Below the title are 'Login' and 'Create Account' buttons. The form has two input fields: a 'Username' field and a 'Password' field. A 'Login' button is at the bottom. A red error message 'Please fill all fields' is displayed at the bottom of the form.

Needs to fill both fields

Calculate your Carbon Footprint

Login Create Account

Username

....

Login

Username or Password Incorrect

This screenshot shows the 'Login' form with a red header. The title 'Calculate your Carbon Footprint' is in green. Below the title are 'Login' and 'Create Account' buttons. The form has two input fields: a 'Username' field and a password field with four dots. A 'Login' button is at the bottom. A red error message 'Username or Password Incorrect' is displayed at the bottom of the form.

Doesn't say what is wrong no matter what

Welcome

# Calculate your Carbon Footprint

Login Create Account

HEEEY

Password

Login

Username or Password Incorrect

Doesn't say what is wrong no matter what

Welcome

# Calculate your Carbon Footprint

Login Create Account

Username

....

Login

Username or Password Incorrect

Doesn't say what is wrong no matter what

Welcome

# Calculate your Carbon Footprint

Login Create Account

max\_22

.....

Login

Username or Password Incorrect

Right username wrong password

Welcome

# Calculate your Carbon Footprint

Login Create Account

something

....

Login

Username or Password Incorrect

Right password wrong username

## Questions:

A screenshot of a web application window titled "Question 3". The window has a red header bar with standard window controls. The main content area is light green. At the top, a dark grey rounded rectangle contains the question "What type of house do you live in?". Below this, there is a white dropdown menu with "Apartment" selected. At the bottom, there is a grey "Submit" button.

All answers are pre-filled with the 1<sup>st</sup> option to avoid a null answer and cause problems. Better a wrong answer than a crash

A screenshot of a web application window titled "Question 20". The window has a red header bar. The main content area is light green. At the top, a dark grey rounded rectangle contains the question "Which of the following energy saving improvements do you utilize in your home?". Below this, there are two columns of checkboxes. The first column contains: ☒ Solar Panels, ☒ Cavity/Solid Wall Insulation, ☒ Double Glazing (Double Windows), and ☒ Low-flow Taps/Shower Heads. The second column contains: ☒ Solar Water Heater, ☒ Energy Lights, ☒ Condensed Boiler, and ☒ Loft Insulation. At the bottom, there is a grey "Submit" button.

A screenshot of a web application window titled "Question 20". The window has a red header bar. The main content area is light green. At the top, a dark grey rounded rectangle contains the question "Which of the following energy saving improvements do you utilize in your home?". Below this, there are two columns of checkboxes. The first column contains: ☒ Solar Panels, ☐ Cavity/Solid Wall Insulation, ☒ Double Glazing (Double Windows), and ☐ Low-flow Taps/Shower Heads. The second column contains: ☐ Solar Water Heater, ☒ Energy Lights, ☒ Condensed Boiler, and ☐ Loft Insulation. At the bottom, there is a grey "Submit" button.

A screenshot of a web application window titled "Question 20". The window has a red header bar. The main content area is light green. At the top, a dark grey rounded rectangle contains the question "Which of the following energy saving improvements do you utilize in your home?". Below this, there are two columns of checkboxes. The first column contains: ☐ Solar Panels, ☐ Cavity/Solid Wall Insulation, ☐ Double Glazing (Double Windows), and ☐ Low-flow Taps/Shower Heads. The second column contains: ☐ Solar Water Heater, ☐ Energy Lights, ☐ Condensed Boiler, and ☐ Loft Insulation. At the bottom, there is a grey "Submit" button.

Question 20 and 25 are checkboxes, the program accepts no checks, some and all (all possible options)

Question 29

Beside showering and filling your pool, appoximatly how much water do you use per week? (liters)

This is the average use of water (liters) in a common household of frequent activities

Toilet Flush:	9
Brushing Teeth:	0.4
Washing Hands:	0.3
Bath:	75
Shower:	22 / Minute
Full Kitchen Sink:	25

blah

Submit

Enter a valid number

Question 29

Beside showering and filling your pool, appoximatly how much water do you use per week? (liters)

This is the average use of water (liters) in a common household of frequent activities

Toilet Flush:	9
Brushing Teeth:	0.4
Washing Hands:	0.3
Bath:	75
Shower:	22 / Minute
Full Kitchen Sink:	25

-1653

Submit

Enter a valid number

The last question only accepts a real number

Question 29

Beside showering and filling your pool, appoximatly how much water do you use per week? (liters)

This is the average use of water (liters) in a common household of frequent activities

Toilet Flush:	9
Brushing Teeth:	0.4
Washing Hands:	0.3
Bath:	75
Shower:	22 / Minute
Full Kitchen Sink:	25

4872872

Submit

Enter a valid number

After 4000, the answer doesn't care. (the algorithm treats 4000 and over the same way