Front page:

Opening the website (Default <http://127.0.0.1:5000/> address) will give you the view on figure 1 when not logged in

A picture containing graphical user interface

Description automatically generated

Figure 1: Front page without login

Here you got the options of Home (Returns to this page), Cereals (Lists all cereals in database), Login (Login to system, required for multiple operations), Sign up (Create user).

Graphical user interface

Description automatically generated with low confidence

Figure 2: frontpage with login

If a user is logged in the view on figure 2 is shown. Giving the options to Add cereal and uploading CSV file and a small greeting saying “hello <username>”

Signup/Login

To create a user, click on the sign-up button where you will be redirected to a view where the middle of the screen will look like this

Graphical user interface, application, website

Description automatically generated

Figure 3: Signup page

Type in desired username and password and click the signup button to create a user. If the username is already in use, you will be directed back to the signup page where it will inform you a username is already in use. After signing up successfully you will be redirected to the login page seen in figure 4 where you can type in the credentials to login. You got the option to click “remember me” which keeps you logged in for future sessions. If you type in invalid user credentials you will be redirected back to the login page you are on with a message saying you typed in wrong information

Graphical user interface, application

Description automatically generated

Figure 4: login page

Cereals view

Table, calendar

Description automatically generated

Figure 5: Cereals list view

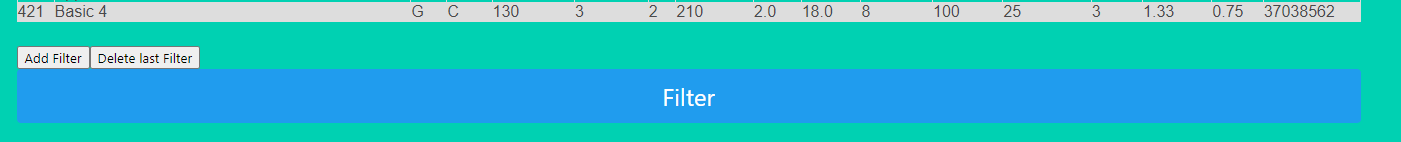


Figure 6: Filter options

When clicking the Cereals button in the menu bar you will redirected to a page where the top will have a list of cereals in the database as shown in figure 5, and at the bottom of the list you will see the options to add and delete filters and a filter button to perform filter operations.

To go to a detailed view of a specific cereal hover over the mouse to the line of the desired cereal in the list you are looking for and click the left mouse button. You will be redirected to a view of the specific cereal.

To perform filter operations, click the “add filter” button. This will give you 2 drop down menus and a input filter as seen in figure 7.

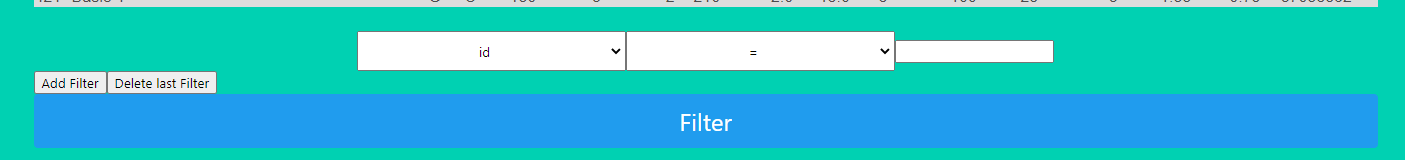


Figure 7: Filter added

The first drop down is the column names of the cereals you wish to filter from, the second drop down is the list of operators available to you. You can add multiple filters by clicking the add filter button which will create a new filter line just below the previous one. The delete last filter button will delete the last(bottom) filter of the filter rows. Figure 8 shows a filled-out filter

Graphical user interface, website

Description automatically generated

Figure 8: Filtered list view

When clicking the filter button, you page will be refreshed and if the filter is valid the list of cereals will now be shown that are valid based on the criteria of your filters. If you made a filter series that will not result in any input, or you gave wrong type of input in the input field you will see the full list of cereals again but with a message above the list saying you made an error shown in figure 9

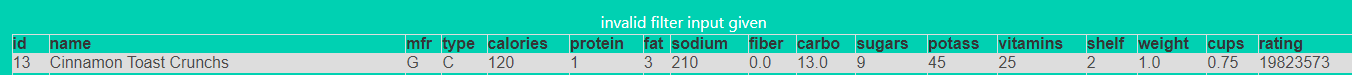


Figure 9: Invalid filter input

Specific cereal view

Graphical user interface, application, website

Description automatically generated

Figure 10: Specific cereal view

In the individual cereal view seen on figure 10, you will have the information like the listing of all the cereals and a picture at the bottom too. The 3 blue buttons will only be shown if you are logged in. Delete cereal deletes from the database and redirect you back to the listing of all the cereals along with a message on top stating it has been deleted seen in figure 11



Figure 11: Deleted cereal

To upload a file, click the “Choose file” button and select your image file and click upload cereal picture button. The page will refresh, and the picture will be updated to the one you uploaded on success, if an error occurred or you uploaded an invalid file, the picture will remain unchanged, and you will have a message in the top saying what went wrong similar to figure 11.

The last option is to update Cereal where it will redirect you to the Update cereal view described in the next section

Add/Update cereal:

Background pattern

Description automatically generated

Figure 12: Update/Add cereals view

When clicking the add button or updating a cereal you will be redirected a page looking like figure 12.

For when you add a new cereal the ID will not be shown, and the fields will not have prefilled values. The ID box in the update view is not able to be changed and is there to show the user which id is being worked on.

Input the changes or the new information in all the boxes and click the button at the bottom shown on figure 13, for updating a cereal this button will have the text “update cereal”

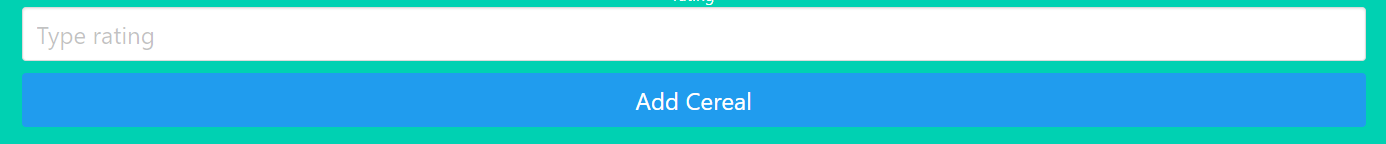


Figure 13

After clicking the button, on success you will be redirected back to the cereals list view with a message at the top saying you added/updated the cereal successfully. If you made a mistake in giving one of the fields invalid inputs, you will be redirected to the add/update cereals view where a message at the top will inform you made an error in one of your inputs

Upload CSV

Graphical user interface, website

Description automatically generated

Figure 14: Upload csv

The upload CSV option allows adding multiple cereals at once. The csv filled must have all the fields filled in order to be valid. To upload the file, click the “choose file” button and pick the csv file. Then press “Upload csv file” when read.

If successful, you will be redirected to the cereal list view where it will inform you how many cereals were added to the database in the top.

On error, it will redirect you back to the upload csv page and give you the error message at the top.