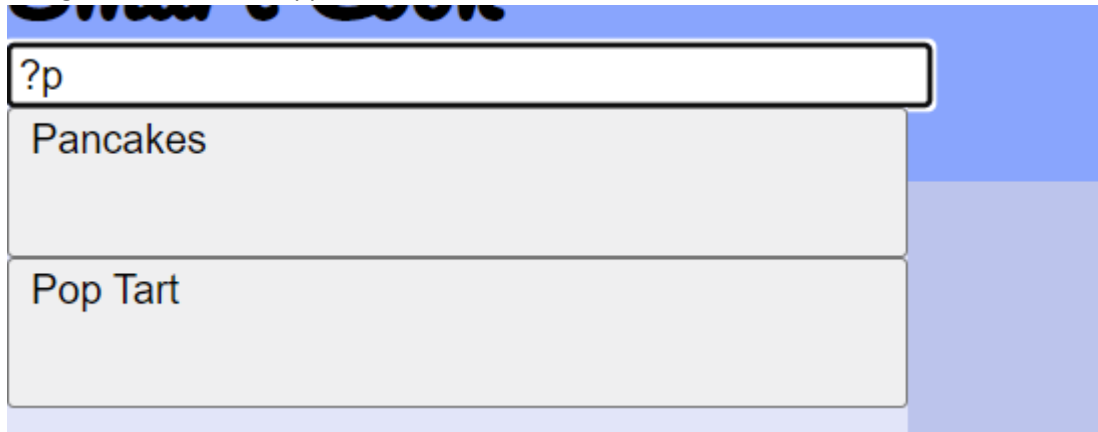# SmartCook Tests

No time for test classes, manual testing only

Front End:

Unit tests:

1) Search bar: numbers work, letters work, you can input special characters, but they won't get recognized. Works as supposed!

2) Clicking on placeholder-ad: opens google in new window, works as supposed!
3) Clicking on a random recipe: site changes to that recipe, works as supposed!
4) Clicking on "back-button" on recipe site: directs you back to the recipe list site. Does not work as supposed! If you come from the Main page on a random recipe, it refers you to a recipe list of "banana and apple" ingredients.
5) Clicking on "Back to Main" on recipe-list site: directs you back to the Main page, works as supposed!
6) Clicking on "choose file" button: opens up file explorer, works as supposed!
7) Clicking on "Upload Picture" button: only opens a pop-up when you chose a file beforehand, works as supposed!
8) Clicking on "back-arrow" on either of the pop-ups: directs you back to the state right before, works as supposed!
9) Clicking on "submit" on either of the pop-ups: directs you to the next state, works as supposed!
10) Checking/Unchecking diets/intolerances: changes the recipes you get shown on the recipe-list site, works as supposed!
11) Deleting ingredients: changes the recipes you get shown on the recipe-list site, works as supposed!
12) Add ingredients: changes the recipes you get shown on the recipe-list site and adds that ingredient to the list, so you can also delete it again, works as supposed!
13) Clicking on any recipe on the "recipe-list" site: directs you to the recipe info for that recipe

White-box test:

When trying to choose any file to upload, it only shows you png, jpg and jpeg files

BUG: apparently it also shows internet-shortcuts, which we do not catch yet, this will crash the website!

Integration/System Testing:

(probably the wrong wording)

We let a few friends of ours use the website without any explanation from us.

Results:

-Unclear as of what the choosing file and upload are for -> need to add a little description!

-Too little diets and intolerances to choose from -> have to add more variants!

-Don't like that you can't add any ingredients retrospectively after hitting the second "submit" button, as they wanted to see other/new options for recipes based on new ingredients
-> we may need to rethink this design-aspect as to how we can make it more dynamic, that you can see the recipes while typing the ingredients.

Back End:

Black Box tests:

We let the given ML part, given to us, run on a few pictures of ours:

1)

Cheese got found but not recognized (n/a), egg got falsely recognized as a watermelon, lemon got falsely recognized as soda

Milk, pepper and bread did not get found at all.
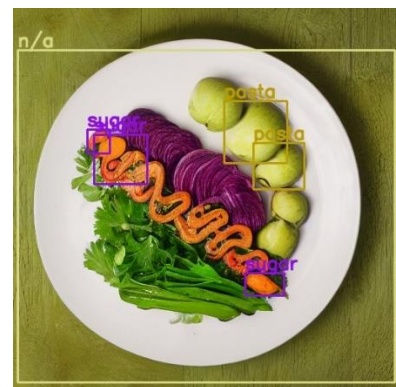
2)

No recognitions at all

3)

No recognitions either.

AI generated pictures as black box tests:

4)

"Everything" got found but not recognized? (n/a), carrots got falsely recognized as sugar, potatoes got falsely recognized as pasta.
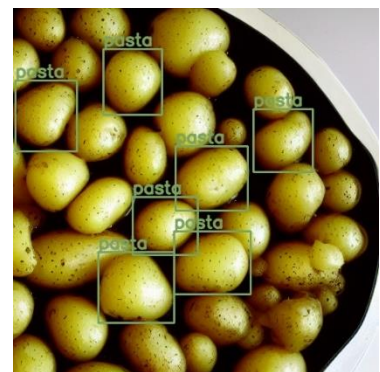
Salad and onions did not get found at all.

5)

Nothing got found/recognized.

6)

Only the top right got found and apparently recognized as "spice"?

7)

Not all potatoes got found, but all got recognized as pasta.

Results: Nothing gets correctly recognized, but in both tests with potatoes, they got recognized as the same thing (pasta). After talking with the ML team, this might be caused by some mistakes during the labeling phase.