

APICBASE Internship assignment

2019

Description

Create a small Recipe Manager application in Django (Python) in which you can create ingredients and recipes and that allows the calculation of food cost for the recipes.

Technical Requirements

A. Ingredients

1. An ingredient minimally has a name, an article number and a cost for a certain amount. Example: The ingredient "carrot" has a cost of 1 EURO per 500 grams.
2. You need to minimally support the following units: 'grams', 'kilograms', 'centiliter', 'liter'.
3. There should be a page to add a new ingredient
4. There should be a page to edit an existing ingredient.
5. There should be a page to view all ingredients.
6. A user should be able to search his ingredients based on name or article number.

B. Recipes

1. A recipe minimally has a name and a list of ingredients with the amounts needed. Example the Recipe for "Carrot Cake" contains 100 grams of "carrot" and 50 centiliters of "cream".
2. There should be a page to create new recipes.
3. There should be a page to edit existing recipes.
4. There should be a page to view all recipes.
5. There should be a page to see the details of a recipe. This page should show the name but also the cost for each ingredient used in the recipe (example: the 100 grams of "carrot" in the "Carrot Cake" recipe would cost 0.2 EURO) and then the total cost for the recipe.

Remarks

- You are allowed to use third party libraries and even frameworks, both for python, css, javascript, ... (if you are in doubt just ask). However the core of your app should be Django (using models, views and templates).
- You can choose any database that Django supports.
- We will be mainly looking at the structure of your code (code duplication, structure, readability, extensibility, ...) but will also look at the front-end usability.
- This assignment is on purpose quite open and not well defined. You are free to fill in many things yourself (e.g. the layout of the pages, the structure of the code, the way in which the search works, whether you use external libraries like jquery or bootstrap, ...). You will most likely still have questions, don't hesitate to email to vitor@apicbase.com or diogo@apicbase.com.
- Upon submitting you should not only submit the source code but also a small document outlining the steps needed to run the project.
- Try to impress us!