Backend intern developer test

Summary

You will be tasked with creating a minimal inventory app using Django.
The information stored by the app is a list of references and their corresponding expiry date.
In a shop an employee can for any reference, enter the current shortest expiry date present on the shelves.
Example: a store sells a yogurt. On display, there are yogurts expiring on the 10th of October and others expiring on the 13th of October. The shortest expiry date is 10th of October. So the app will give the information that the yogurts will expire on the 10th of October.

Requirements

Create a Django application backed by a PostgreSQL database, which displays the current list of expiry dates for the products in the shop.
The following features are expected:
- Enter a new expiry date for a GTIN (the digits below the barcode)
- Display a list of all current Expiry dates in the shop
- When entering a GTIN already used, the app should detect the already existing reference and update its expiry date.

Optional features could be: sorting and filtering the list, a responsive design…
You are responsible of designing the model and also the general design of the interface. It is required that the user interface is styled with CSS.

Expected Results

1. Estimate the time needed to develop the app. Split this estimate in small tasks as needed. Send us this estimate as soon as possible.
2. Send us:
   a. A link to your remote git repository (needs to be public so we can clone it)
   b. An explanation of the process to build and run the app locally
   c. A short text explaining your technical decisions and possible areas of improvement.

Evaluation criterias

1. Understanding of task to be performed
2. Respect of the deadline (2 days maximum)
3. Knowledge of the Django framework and of html / css
4. Quality of commits

Additional Information

GTIN -> Global Trade Identification Number : this is the number below the barcode on any product in a store. This number is always the same for the entire lifetime of a product.
ex: A yogurt of brand Danette, with vanilla flavor, will always have the same GTIN, no matter its expiry date, its location of production…
But a yogurt of brand Danette, with chocolate flavor will have a different GTIN.