



CookEase

Project: UE16C403

01FB16ECS124
01FB16ECS162
01FB16ECS178

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INTENT

A web application used to maintain and use a vast collection of recipes in tandem with available ingredients.

Features:

- Peruse a catalog of recipes
- Maintain a pantry of ingredients
- Get recommendations for recipes based on pantry
- Add recipes
- Convert grocery bills into ingredients



WEB TECHNOLOGIES USED



PREDICTIVE FETCH

The generation of recipes on the web application are done using predictive fetch in coordination with the scroll bar.

MULTI-STAGE DOWNLOAD

As recipes are loaded onto the screen, the low bandwidth elements are brought in first (text). The more bandwidth heavy images are brought in later



SUBMISSION THROTTLING

All search bars in the application are supplemented by submission throttling where request for suggestions matching the query string are sent only when there is a pause in the user input

EARLY SUBMISSION

The form submission for adding a recipe implements early submission where in recipe details are stored well before the form is submitted to ensure the user does not lose form data in some unforeseen circumstances



STREAMING

When a bill is converted into its corresponding ingredients, the processing is slow. To ensure better user experience, the results of the processing are streamed as and when they are received

LOCAL STORAGE

The application uses local storage as a caching location to store user related data such as current contents of the pantry and status of a form under submission

THANK
YOU

