Beta Presentation
AI Recipe Converter

The Capstone Experience

Team Whirlpool
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Project Overview

• Simplify user cooking experience by providing machine assisted cooking
• Recipes from popular cooking websites are converted to a machine-understandable format
• Whirlpool food scientists access a website to convert these recipes and make any changes
System Architecture

Python NLP Parser and Converter

Python Web scraper

Recipe Websites

Yummly

allrecipes

Whirlpool App

Whirlpool

Server

API

Express

mongoDB

Database

User Devices

Smart Devices

Whirlpool

Front-end

Angular

Whirlpool App

Angular

Recipe Websites

Python Web scraper

Python NLP Parser and Converter

System Architecture

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Recipe Browse Page

[Image of a website displaying recipe browse page with pictures and titles: Better-Than-Takeout Sesame Chicken, Tom Yum Soup, and Salmon and Coconut Rice Bowls with Sriracha Honey]
Add Recipe Page
View Recipe Page
Recipe Edit Page

Recipe Information

Recipe Name
Salmon and Coconut Rice Bowls with Sriracha Honey

Description
Fragrant coconut rice studded with edamame forms the base for this Asian-style sweet and spicy roasted salmon meal. A sriracha-honey sauce serves as both a glaze for the salmon and a sauce for the bowl. If you like, these salmon-rice bowls can be embellished with cashews, crispy radishes, almost any pickled vegetables, or crumbled

Media
https://lh3.googleusercontent.com/WACVRvFjDCrbN!

Category
Asian

Cuisine
Thai

Keywords
Browning

Delete
What’s left to do?

• Stretch Goals
  ▪ Extend scraper to other recipe sites

• Other Tasks
  ▪ Optimize recipe scraping time
  ▪ Improve ingredient replacement accuracy
  ▪ UI improvements to the steps and edit page
Questions?