



COOK HUB

CENG408 – Innovative System Design and
Development II

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Cook Recipes and Virtual Fridge

Cook Recipes and Virtual Fridge



Sections

01 Problems and Solutions

02 Dataset

03 Search Function and UI

04 Techs and Demo Video

Problems

SQL Implementation

- A connection problem from MySQL and MSSQL side to the front-end.

RAM Usage

- High RAM usage causes program runs slower
- High loading time

Kivy

- Kivy is brand new framework and language. It has many compatability issues.

Lack of Resources

- Number of the resources are not satisfactory

SQL Implementation

- By changing to MySQL to SQLite

RAM Usage

- Replacing the priorities
- Decreasing number of concurrent transactions

Lack of Resources

- Udemy nearly solved our problem

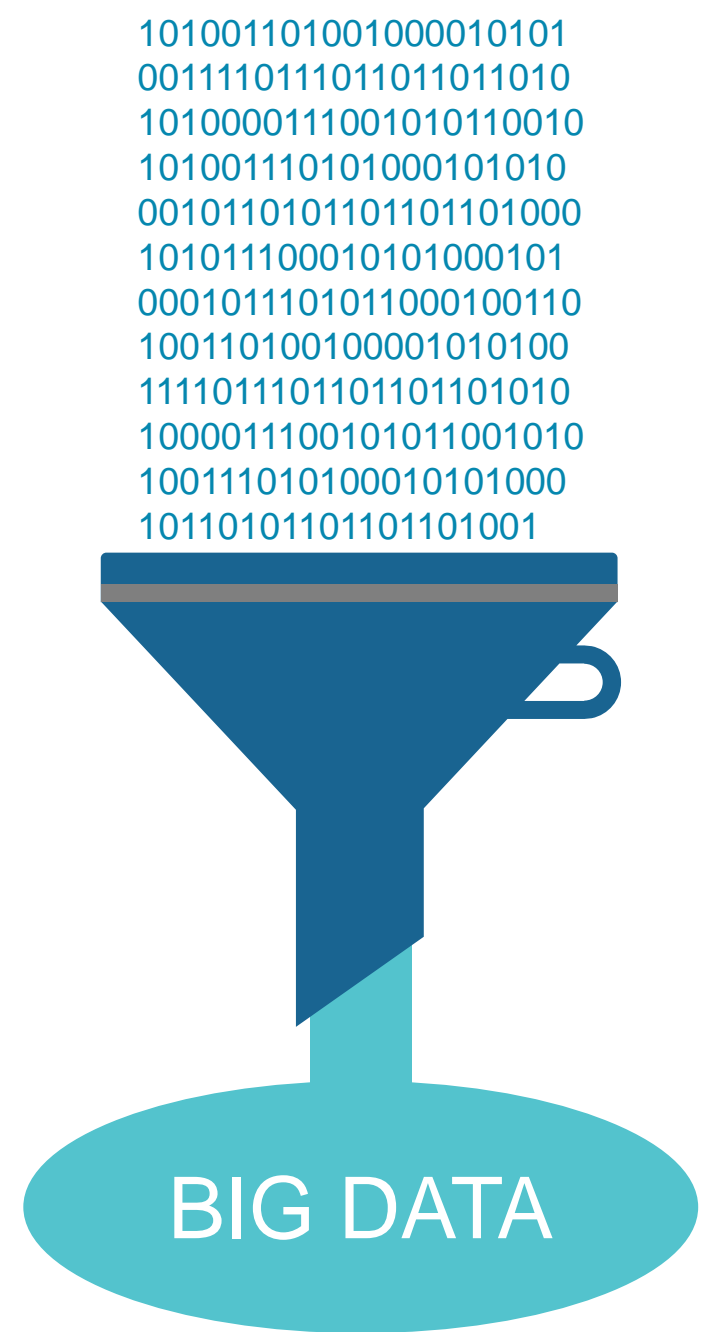
Solutions

BIG DATA COOK HUB

Data Set

How big was the data that we worked on?

- Number of recipes taken: 230186
- Number of recipes used: 250
- Number of tags: 209115
- Number of ingredients: 230475



User Interface



Home Page

Starting point of application where suggested recipes are shown.



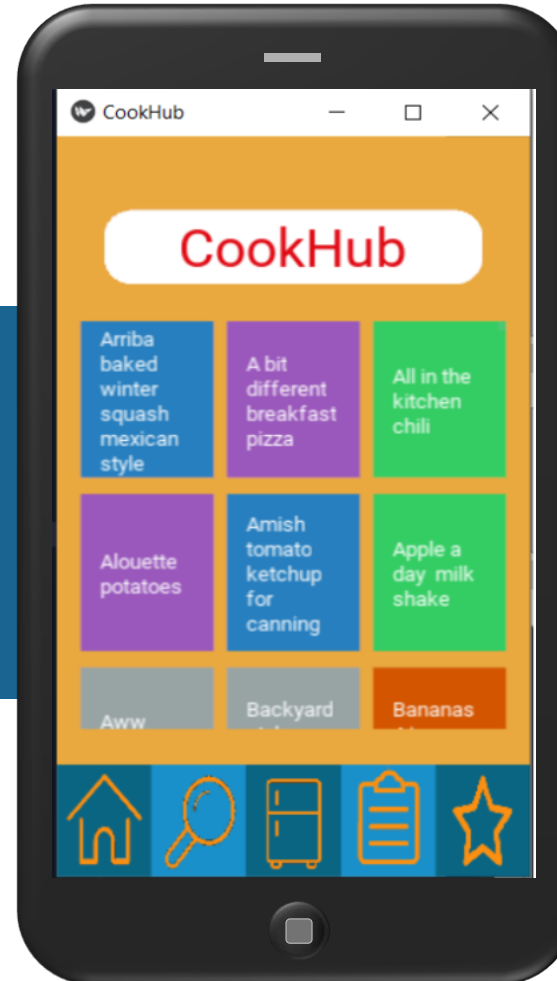
Search

Find desired recipe by three different searching method



Virtual Fridge

Add ingredients that already exists in home



My Recipe Book

Save recipes and make list for easy to access



Shopping List

A list of items needed to be purchased by a user



Search Function

Searching

User can search three different way in Cook Hub. Different ways will give the user different opportunities to find best recipe for them.

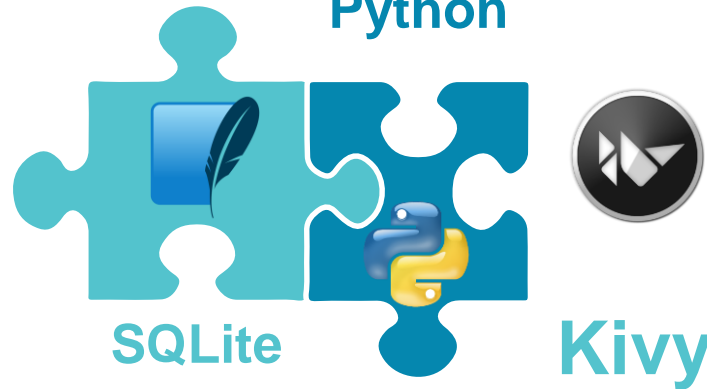


TECHNOLOGIES

Python

An interpreted, high-level, general-purpose programming language.

Python



SQLite

Kivy

SQLite

Open-source relational database management system

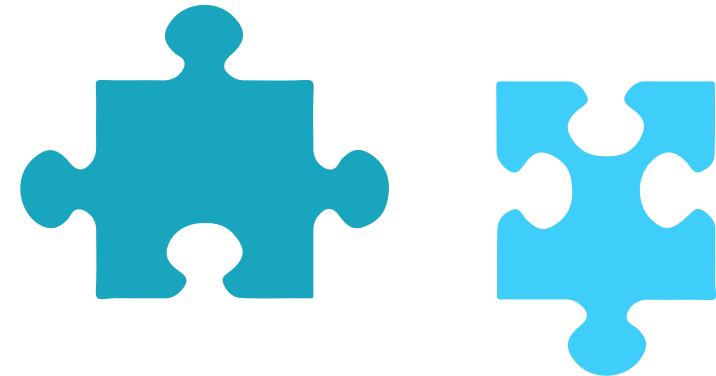
Kivy

Open source Python library for developing mobile apps and other multitouch application

MySQL

Open-source relational database management system

MySQL



DEMO VIDEO



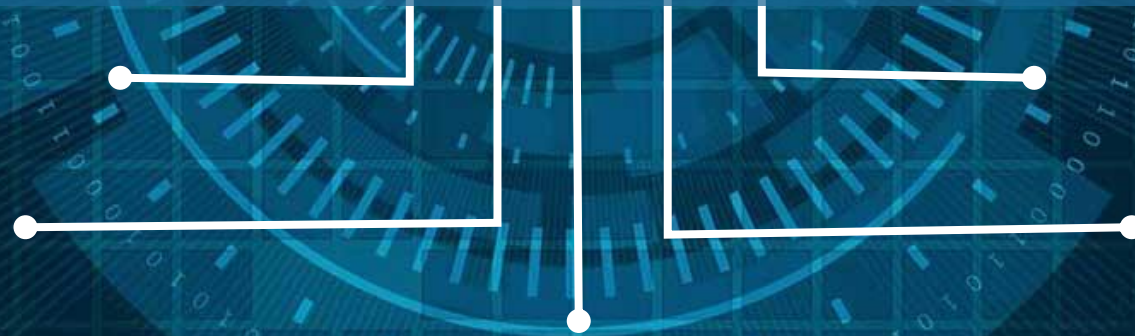
REFERENCES

- 1) https://www.kaggle.com/shuyangli94/food-com-recipes-and-user-interactions#RAW_recipes.csv
- 1) Kivy – A Framework for Rapid Creation of Innovative User Interfaces
Available: <https://www.semanticscholar.org/paper/Kivy-A-Framework-for-Rapid-Creation-of-Innovative-Virbel-Hansen/bae0df60195a86fa7fd12172b026b32ff7cfbe1b>
- 1) <https://www.udemy.com/>

Acknowledgements

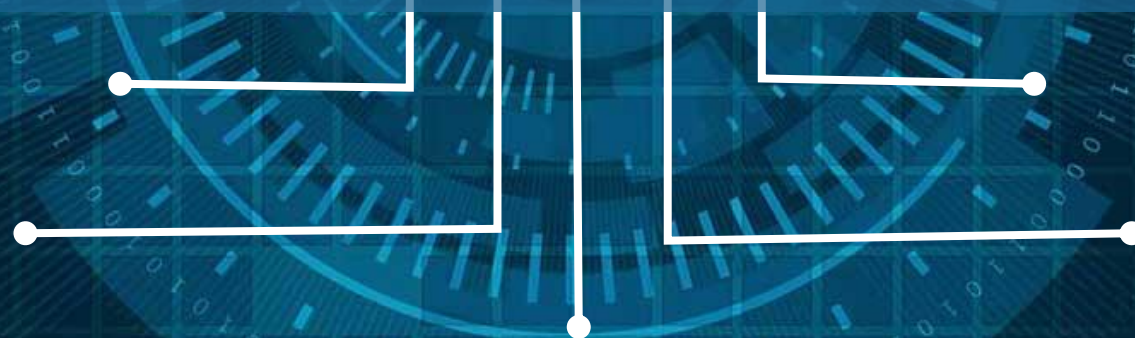


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ANY QUESTION ?





THANK YOU