SAMGYEOPSALS AND BUFFETS IN ILO

Software Requirements Specification

CMSC 128 – Software Engineering I

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I. Introduction

Samgyeopsals and Buffets in ILO (SABI) is a web-based page detailing restaurants, buffets, and Samgyeopsal places in Iloilo. It is a platform that gives all the information that a hungry Ilonggo might need in the nick of time for searching for the best places to eat, and to hangout in. Each Restaurant listed in SABI are reviewed by the author, and as well as other friendly users as they can, too, contribute their tastes and opinions in a healthy discussion. The Origins of SABI stemmed from the Filipino tendencies to be influenced by rumors and gossips, which in Tagalog, translates to *sabi-sabi.* These things are also, undeniably, very prevalent when Filipinos talk about restaurants and eating out, saying phrases like *"Sabi ni Maria maganda pagkain diyan!"* (Maria said the food there is delicious!), or *"Sabi ni Juan pangit diyan, sa iba nalang tayo kumain!"* (Juan said that place is hideous, let's try other places instead!). These talks about food appear and are heard perhaps even each and every day on Filipino ears. This time, SABI takes it to the online space as Ilonggos could, in fact, discuss and talk about how restaurants in the city fare among Ilonggo tongues and tastes, where other Ilonggos could, too, give their opinions and fuel the discussions.

Purpose

The purpose of this document is to propose a detailed description of the functionalities and other dependencies found in the site. This will explain the use and features of the system, while also showing how interactions would be handled by it.

Intended Audience and Use

The intended audience of this document are the developers as well as the people that would be essential in its development – testers, managers, etc. Of course, the Professor, too, that would read and understand this document and the details found in it.

This document should be used as a reference and a guide in the developmental process of the site.

Scope

SABI exists for the purpose of giving its users the ease that they need at times when finding a correct and fitting dining place may become more challenging. It aims both to promote a thoughtful relationship between the consumers and the restaurant owners -- as restaurants would gain more traction towards consumers, whereas consumers, too, can search new horizons in their pursuit for locally ascertainable tastes.

Definitions and Acronyms

Samgyeopsal – is a type of Korean cuisine, of which, consists of pork belly and is usually served to the customers raw, for them to cook themselves.

SABI – **S**amgyeopsals **A**nd **B**uffets in **I**loilo

Tierlist – A hierarchical list of objects

Django - is a Python-based free and open-source web framework that follows the model–template–views architectural pattern

ASGI - Asynchronous Server Gateway Interface

GB – Giga Byte

RAM – Random Access Memory

64-bit Processor - is a microprocessor with a word size of 64 bits

II. Overall Description

SABI is a new product that is made through the Django Framework. Currently, as there are no applications or systems that are primarily focused on restaurants and their reviews, standings, customer opinions, discussions, and location here in Iloilo, SABI aims to fill in that gap.

User Needs

SABI primarily targets Ilonggos as the restaurants listed in it (as of now) are locally found in the vicinity of Iloilo City. SABI fills in the typical Ilonggos' need to find good, peer reviewed, and proven food. Exposing and promoting restaurants that are easily accessible to Ilonggos would very much prove beneficial to both parties as it would help consumers taste new dishes, and restaurants, more people to serve their food with. Of course, other people too that are searching for restaurants in the city can definitely benefit from the discussions and the information posted in the site – these consumers can be classified as the secondary targets of this project.

Assumptions and Dependencies

As this project is built upon Django, there is an assumption that systems that could run and edit the program, too, should be present in order for easier improvement and testing of the software. This paper also assumes that testers and developers should also be familiar with SQLite and/or Python, and that Users are internet literate.

For editing and testing, the admin account in the backend (Django's default admin interface) should not be forgotten.

For the target users, both primary and secondary, this paper assumes that they are communicative, respectful, engaged, and have at least the basic amount of knowledge when it comes to authentication.

This project does not depend on any previously made projects, but instead, on Django's default backend user authentication systems, database, and as well as user verification and registration. Some default bootstraps, too, have been used in the formatting of the pages.

III. System Features and Requirements

This project is considered as a Django project, as such, all requirements both in hardware and software needed for Django projects to work are also required for this project. However, since this project is web-based, the requirements needed for it to be ran are not demanding, compared to those of embedded and standalone software.

Functional Requirements

Systems used for testing and editing this project should be able to run Django, and because Django is Python based, Python, too, should also be given to be functional in the systems. Web browsers are also a definite, as without one, this project would not be able to be viewed accordingly.

This project has many functionalities, such as the search bar:

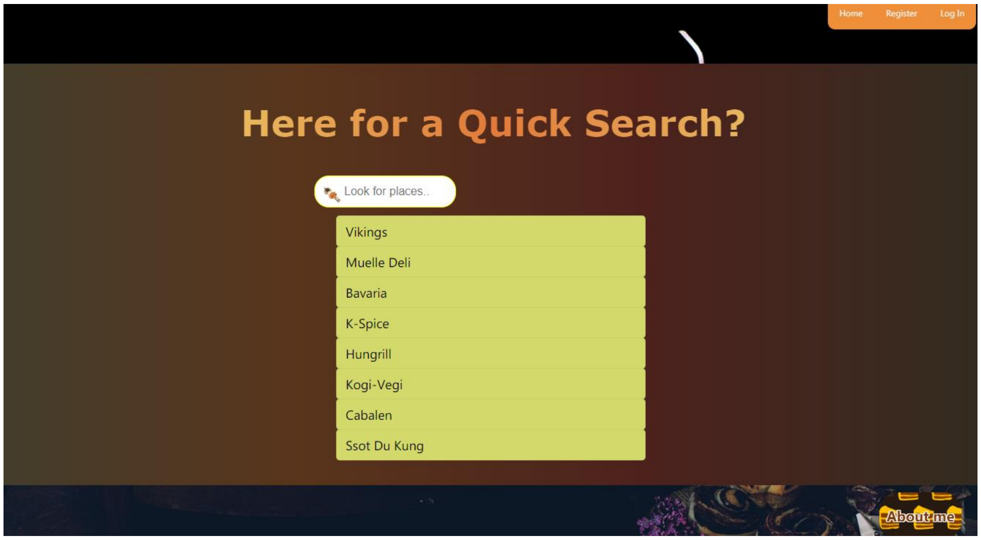
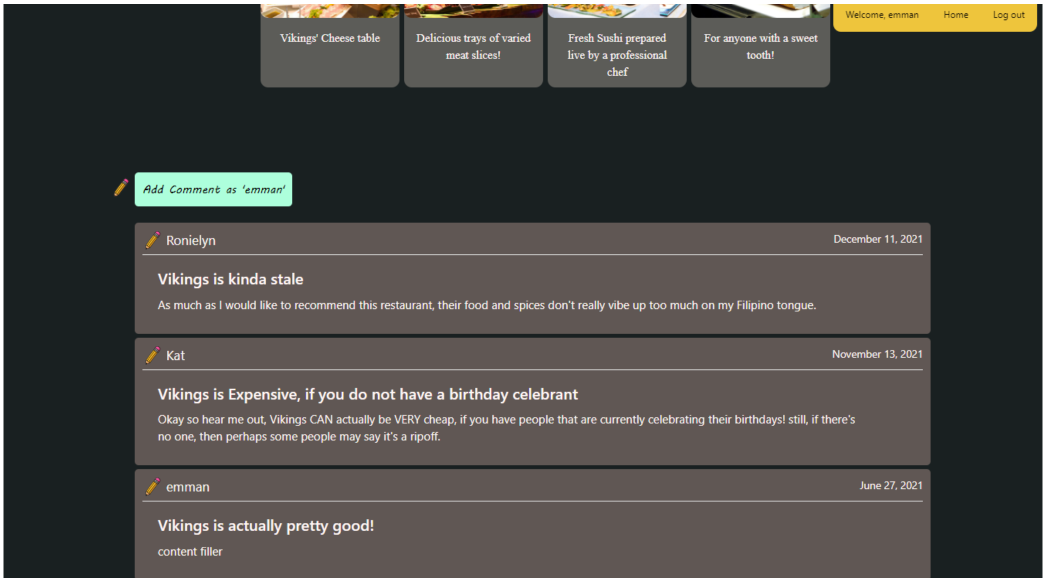

Here for a Quick Search?

Figure 1   Homepage Search bar Screenshot

The comment section:



Vikings' Cheese table

Delicious trays of varied meat slices!

Fresh Sushi prepared live by a professional chef

For anyone with a sweet tooth!

Ronielyn December 11, 2021

Vikings is kinda stale

As much as I would like to recommend this restaurant, their food and spices don't really vibe up too much on my Filipino tongue.

Kat November 13, 2021

Vikings is Expensive, if you do not have a birthday celebrant

Okay so hear me out, Vikings CAN actually be VERY cheap, if you have people that are currently celebrating their birthdays! still, if there's no one, then perhaps some people may say it's a ripoff.

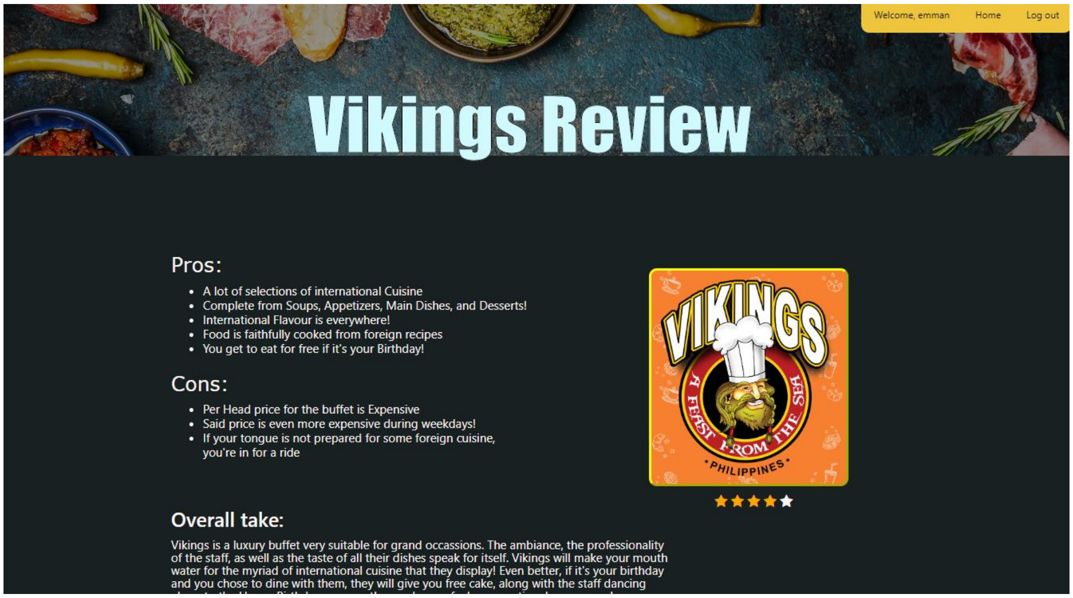
emman June 27, 2021

Vikings is actually pretty good!

content filler

Figure 2: Comments Screenshot

The ratings display page:



Vikings Review

Pros:

- A lot of selections of international Cuisine
- Complete from Soups, Appetizers, Main Dishes, and Desserts!
- International Flavour is everywhere!
- Food is faithfully cooked from foreign recipes
- You get to eat for free if it's your Birthday!

Cons:

- Per Head price for the buffet is Expensive
- Said price is even more expensive during weekdays!
- If your tongue is not prepared for some foreign cuisine, you're in for a ride

Overall take:

Vikings is a luxury buffet very suitable for grand occassions. The ambiance, the professionality of the staff, as well as the taste of all their dishes speak for itself. Vikings will make your mouth water for the myriad of international cuisine that they display! Even better, if it's your birthday and you chose to dine with them, they will give you free cake, along with the staff dancing

Figure 3 Ratings page Screenshot

Below is a Use Case description of an ordinary User on the website:

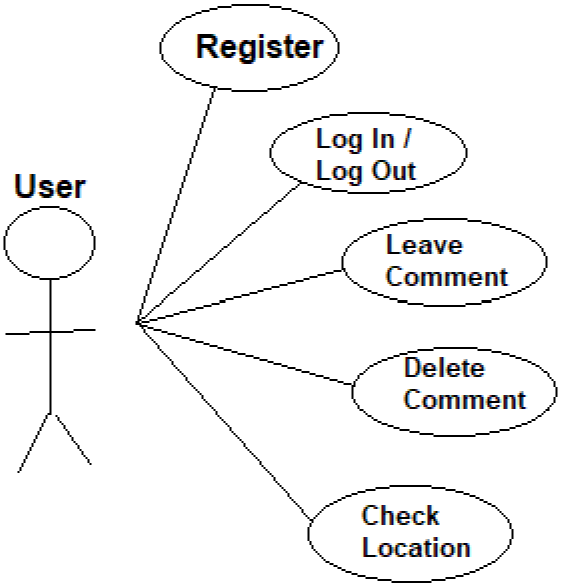
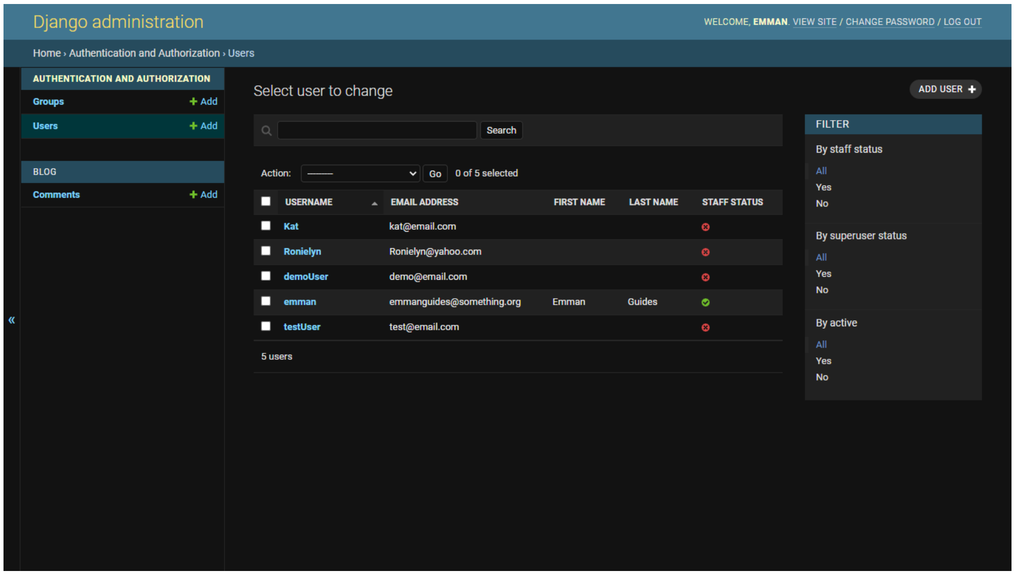


Figure 4 User use case

All of these functionalities, such as the Authenticating and registering of accounts, Leaving and Deleting a comment etc., use the default Django backend framework. When Users register, their account password, username, and email are then moved onto the database and are then reflected on Django's Admin interface.



Select user to change

0 of 5 selected

□	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
□	Kat	kat@email.com			✗
□	Ronielyn	Ronielyn@yahoo.com			✗
□	demoUser	demo@email.com			✗
□	emman	emmanguides@something.org	Emman	Guides	✓
□	testUser	test@email.com			✗

5 users

Figure 5 Django Admin Interface

Below is a use case diagram for an Administrator in the system. This highlights the functionalities that they are allowed to use, but also and more importantly, how these functions are also relying on the framework working.

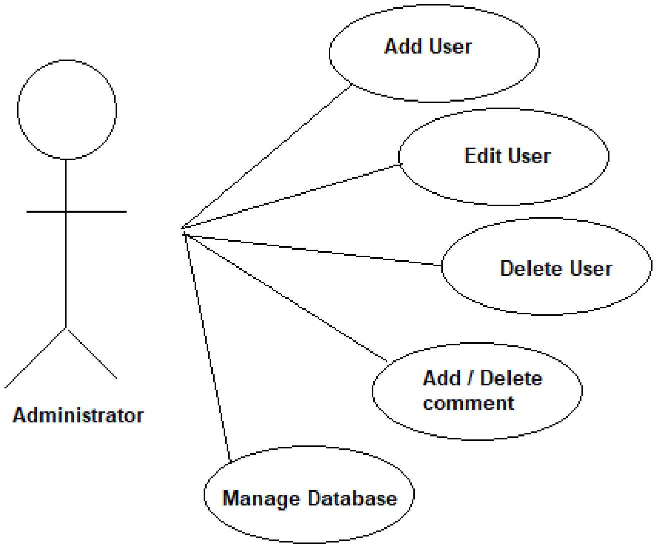


Figure 6 Administrator Use Case

With all of these said, for this system to be deployed, we would need web servers. However, since most webservers do not speak Python natively, we would need interfaces such as ASGI (*Asynchronous Server Gateway Interface)*.

Nonfunctional Requirements

Django generally does not have high system requirements for it to be ran. For the minimum levels of these hardware for it to run smoothly, however, around a GB of RAM and at least a 64-bit processor would do just fine.

For software, Django requires Python as it is based on it, and Pip, for it to be easily installed on a System.

References:

“How to Deploy Django,” *Django*. [Online]. Available: https://docs.djangoproject.com/en/4.0/howto/deployment/. [Accessed: 31-Dec-2021].

“Django Deployment,” *Django*. [Online]. Available: https://docs.djangoproject.com/en/4.0/howto/deployment/checklist/#run-manage-py-check-deploy. [Accessed: 31-Dec-2021].

"IEEE Guide for Software Requirements Specifications," in IEEE Std 830-1984 , vol., no., pp.1-26, 10 Feb. 1984, doi: 10.1109/IEEESTD.1984.119205.