Project report on designing a recipe database

Robert Gitau Nduta-BSCNRB195521

Ian Franklin Otieno-BSCNRB382321

Date*:23-032022*

# Abstract *(for professional papers)*

On march we were given the task to design a database that can store and fetch recipe data.We were using html to code the user interface and Postgresql to store data.The aim of the project was to store,insert and arrange the data according to how much is viewed and rated.We were also to include the feedback of the users and create an admin page for adding new recipes and storing customer data.

# Method

## Structure of the website

The website consists of :

* **Recipe name**
* **Ingredients**
* **Method**
* **Log in and sign up pages**

## The database

We linked the database with html using php since it had issues with linking it alone and storing data.

The code used in fetching the recipe data is

while ($row = pg\_fetch\_assoc($result)) {

$img=pg\_unescape\_bytea($row['image']);

$string= $row['title'];

$sti=$row['description'];

$ing=$row['ingredients'];

?>

The code used to create the query for connecting the data is

<?php

$db=pg\_connect('host=localhost dbname=delicook user=postgres password=2536');

if($db) {

// echo 'connected';

} else {

// echo 'there has been an error connecting';

}

?>

### Query optimisation

The code used to optimise the code is

$sql='SELECT \* fROM public.recipe';

$result=pg\_query($sql);

while ($row = pg\_fetch\_assoc($result)) {

$img=pg\_unescape\_bytea($row['image']);

$string= $row['title'];

$sti=$row['description'];

$ing=$row['ingredients'];

?>

# Discussion

The main challenges we had was linking the database to the website without including a scripting language.

In conclusion the website we made met the deadline and submitted on time.

# Reference

https://www.w3schools.in/DBMS/query/