Project Tittle:

Simple Meal Finder using DB

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Project Overview

Project Title:

Simple Meal Finder using Meal DB

A web-based application

Displays meal details like:

Name

Category

Region

Ingredients

Cooking Instructions

Based on ETL (Extract, Transform, Load) concept

Developed using Python & NiceGUI

Objective and tool:

Objectives:

Extract, transform, and load meal data

Store data in CSV files

Allow users to search and view meal details

Demonstrate practical ETL process

Tools & Technologies:

Python

Pandas

NiceGUI

CSV File

HTML & CSS

Working of the Project

Data Extraction:

Meal data is extracted from local SAMPLE_MEALS

Data Transformation:

Data is cleaned, formatted, and timestamps are added

Data Loading:

Transformed data is saved into meals.csv

Data Display & Search:

Meals shown in cards with search functionality

Project Status & Conclusion:

Project Status:

Data Extraction – Completed

Data Transformation – Completed

Data Loading & UI – In Progress

Conclusion:

Beginner-friendly ETL-based project

Demonstrates data handling and GUI development

Useful for understanding real-world Python web applications