Studyce project with python

1. **What I want to achieve?**

My goal is to create a program or application that helps me review everything I want. I thought of this because I am learning English and Chinese, and every day I learn new things (new words, grammar, conjugation, and more). However, at the end of the week, when I want to review what I’ve learned, it’s very difficult for me to do so in a way that matches how I assimilate information. That’s why I asked myself if I could create a Python program that allows me to write down what I learn each day—everything I want—and review it later in the ways I prefer. For example, if I input words, I could ask the program to show them randomly and prompt me to give their meaning in a language I know, write them, spell them, read them, or build a sentence using each word.

1. **What’s the name of my project?**

Studyce: note, review, all you: Merges “study” and “pace,” reflecting a review process that matches with the rhythm of each one’s revision.

1. **What are the results of my project?**

Main screen when I open the program

Review



Do you want to review what you have learned?

New Notes

Do you want to add new notes?

Welcome to your review board!



1. First part: Notes

* Notes screen when I click on New Notes

Notes



More

9/6/2025

12/6/2025

Yesterday



Previous days

Create a new day



* Days screen when I click on Create a new day

Days

more



Choose a subject

Chemistry

Physics

Language

more

Math



* Languages screen when I click on Languages

Languages



And more

Grammar Notes

Conjugation Notes

Vocabulary Notes

* Vocabulary screen when I click on Vocabulary Notes

Vocabulary Notes



More



Liste of word



More

Chinese



Hard

English

Life

Book

new word

* Words screen when I click on New Word

Notes



Example of sentence with this word :

Pronunciation :

Meaning of the word :

Enter a word :

Meaning

Word

Choose a language :

1. Second part: Review

* Review screen when I click on review

Review



Do you want to use existing exercises?

Own exercises

Do you want to create your own exercises?

Exercises

1. **What tools I can use?**

At the moment, I want to use this project as an exercise in Python because I am learning Python and want to improve my skills. In the future, I plan to add machine learning or develop an application with Flutter, as I am also learning Dart and machine learning.

1. **How can I do this project with python?**

I choose to build a website with Python using Flask, as I am a beginner

1. **Project Structure**

review\_website/



app/



\_\_init\_\_.py # Initializes Flask app and configurations



models.py # Defines database models (e.g., User, Review)



routes.py # Defines URL routes and view functions



templates/



base.html # Base template for common layout index.html # Homepage



static/ # Static files (CSS, JS, images)



css/



js/



images/



run.py # Entry point to run the app

