Python Project - (Project 1)

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Bootcamp-Project-1-Python

Project#1

Based on what you've learned until now, create a project of your choosing (impress us
with your imagination). This project must at least satisfy the following minimum
requirements:
- Use at least 3 different data types.
- Use lists or dictionaries or tuples or sets.
- Use loops.
- Use functions that return an output.
- Use conditions.
- Use a Lambda function.

Example#1: An online Grocery Store

Overview: An online store that sells fruits to customers. The customers should be able to
do the following tasks for the store to function properly.
As a customer I should be able to do the following:
- Browse Products.
- View the product info (summary, specs, price, quantity, etc.)
- Search for Products.
- Get recommendations for my next purchase based on my purchase history.
- Add Products to the shopping cart.
- Remove a product from the shopping cart.
- List the products in my shopping cart.
- Continue to checkout.
- Fill in my address for delivery.
- Get a receipt for my purchases.
- Check delivery status.

Example#2: Strong Personal Password

Overview: A system creates personal random passwords, these passwords should be strong enough and contain capital and small letters, numbers, and symbols. Therefore, you need to do the following.

- Save all letters in a list.
- Ask the user about password length.
- Shuffle passwords.
- Use loops to create a password.
- Choose a random letter from letters by using random.choice.
- Add a random letter to the password.
- Write a function that adds capital letters to the password.
- Write a function that adds random numbers to the password.
- Write a function that adds symbols to the password.
- Final Randomization to the final pattern.
- Print the Final Password.

Example#3: Riyadh Season Reservations

Overview: An online website that shows different events. The visitor should be able to do the following tasks for the store to function properly.

As a visitor, I should be able to do the following:

- Browse Events.
- View the event info (summary, time, price, place, etc.)
- Search for an Event.
- Get recommendations for my next visit based on my ticket purchase history.
- Add tickets to the shopping cart.
- Remove a ticket from the shopping cart.
- List the tickets in my shopping cart.
- Modify the number of the ticket (by default one ticket).
- Continue to checkout.
- Get a QR code for my ticket.
- Review my coming events.

Final Deliverables:

- Notebook file(.ipynb).
- README.md file. (Markdown Files Cheatsheet & this guide)
- Due Date: Sun, 5, at 09:00 a.m.
- The Final presentation will be on Sunday (5 min for each one).