Streamlit for *Dummies*

The Easy Way to Create a Web App in Python
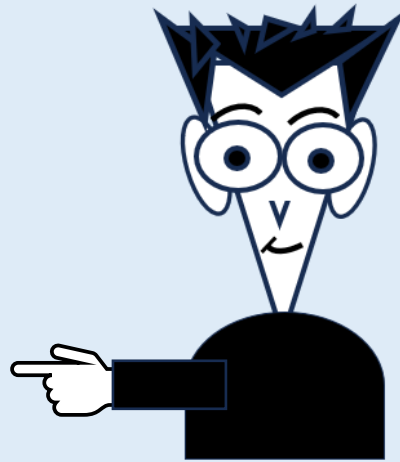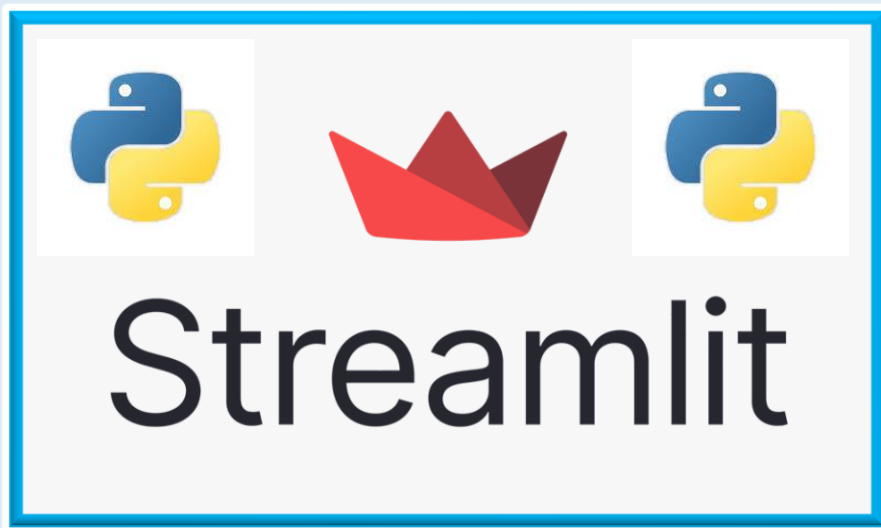
Presented By: Bryan Cafferky
https://www.youtube.com/@BryanCafferky/playlists

Where We're Going

- **What is Streamlit?**

- **Why Learn Streamlit?**

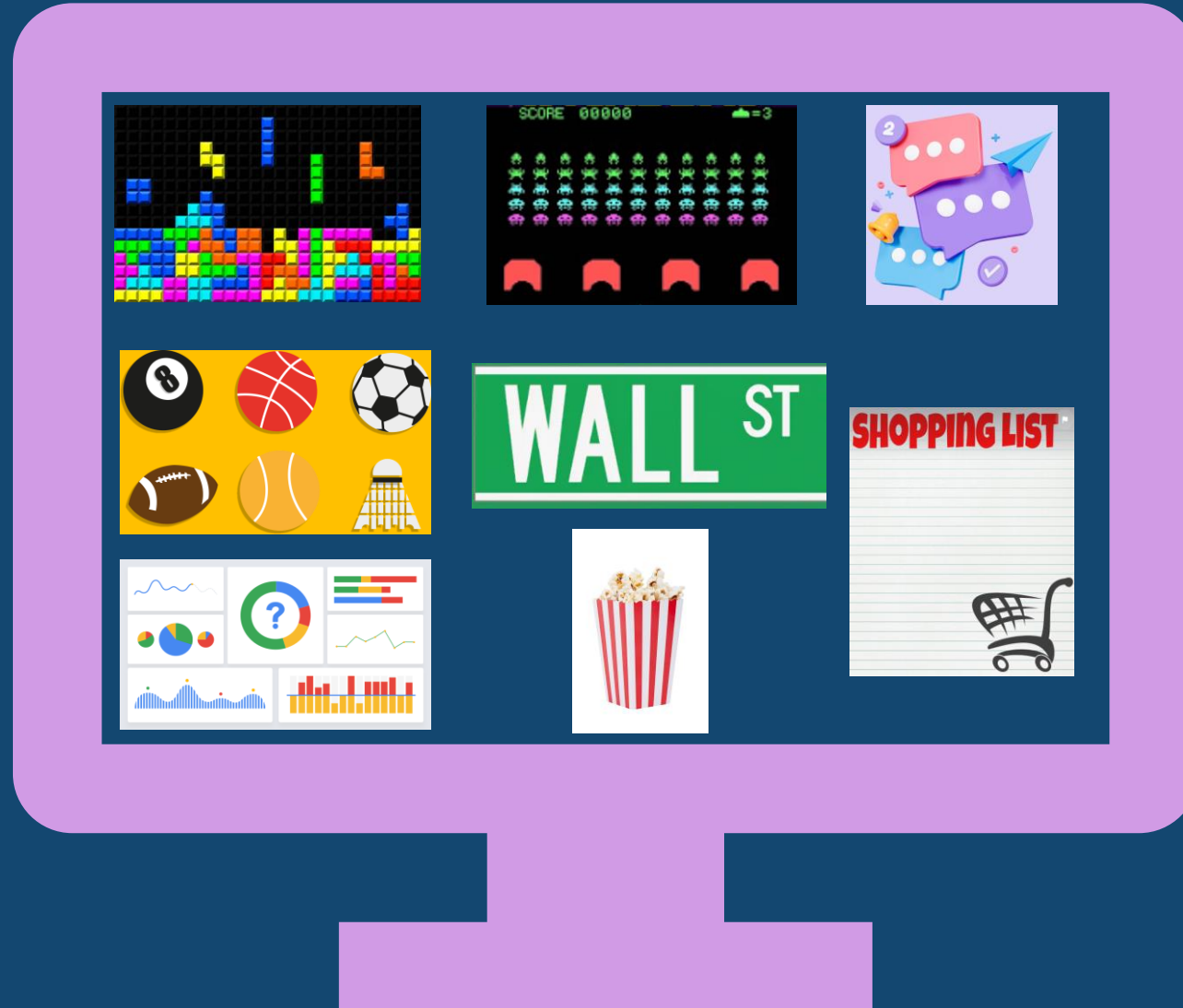- **Streamlit Docs**

- **Streamlit Gallery**

What is Streamlit?

- **Fun & Easy Way to Build a Web App in Python**

- **A Free Open-Source Package That Leverages React**

- **No Web Programming Knowledge Needed!**

- **Easiest Way to Add a User Interface to Python Programs**

- **Ideal for Data Centric Apps**

Why Learn Streamlit?

- **You Hit the Python Programming Wall!**

- **Perfect to Create a Career Online Portfolio**

- **Streamlit Programming is Valuable Skill**

- **Crucial Tool in Your Toolbox**

- **Way to Data Analytics Skills**

- **It's Web Based**

You Need a Fun GUI Tool

Streamlit

Show the Code

Show a Dataframe: demo1.py

```python
import streamlit as st          ← Import streamlit
import pandas as pd


st.write("Here's our first attempt at using data to create a table:")     ← Output to the browser
st.write(pd.DataFrame({          ← st.write – the Swiss army knife
    'first column': [1, 2, 3, 4],
    'second column': [10, 20, 30, 40]
}))
```

Select Box: demo2.py

```python
import streamlit as st          ← Import streamlit


option = st.selectbox(
    'How would you like to be contacted?',     ← Reactive Widgets
    ('Email', 'Home phone', 'Mobile phone'))


st.write('You selected:', option)
```

Let's Take a Tour

https://streamlit.io/

Continue Your Journey

- **Great Documentation!**

- **Streamlit Gallery**

- **Streamlit Community Cloud** – **1 Private and Unlimited Public Apps**

- **Deploying a Streamlit app to Azure**

  https://towardsdatascience.com/beginner-guide-to-streamlit-deployment-on-azure-f6618eee1ba9
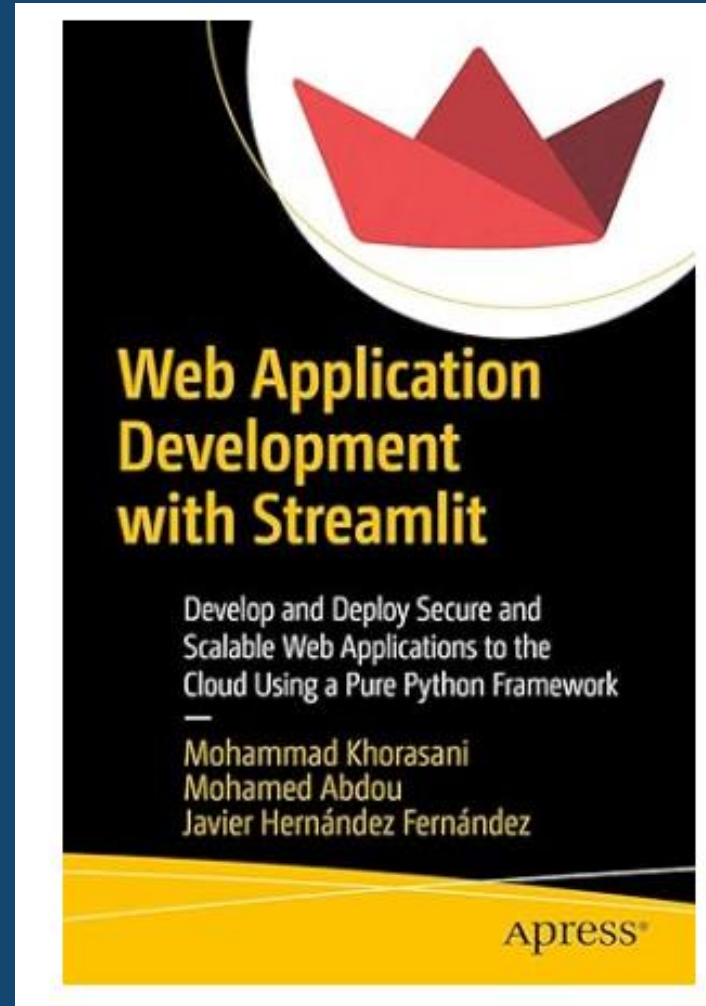
- **Snowflake Acquired Streamlit in Mar 2022**

Useful Resources

Using Python Virtual Environments

https://docs.python.org/3/library/venv.html

Streamlit Docs – Getting Started

https://docs.streamlit.io/library/get-started

Wrapping Up

- **What is Streamlit?**

- **Why Learn Streamlit?**

- **Streamlit Docs**

- **S**

Thank You!