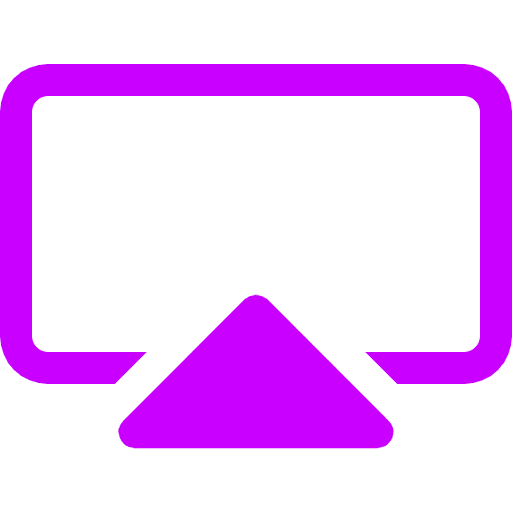
# Cover

Techwiz 4 – A Global IT Competition

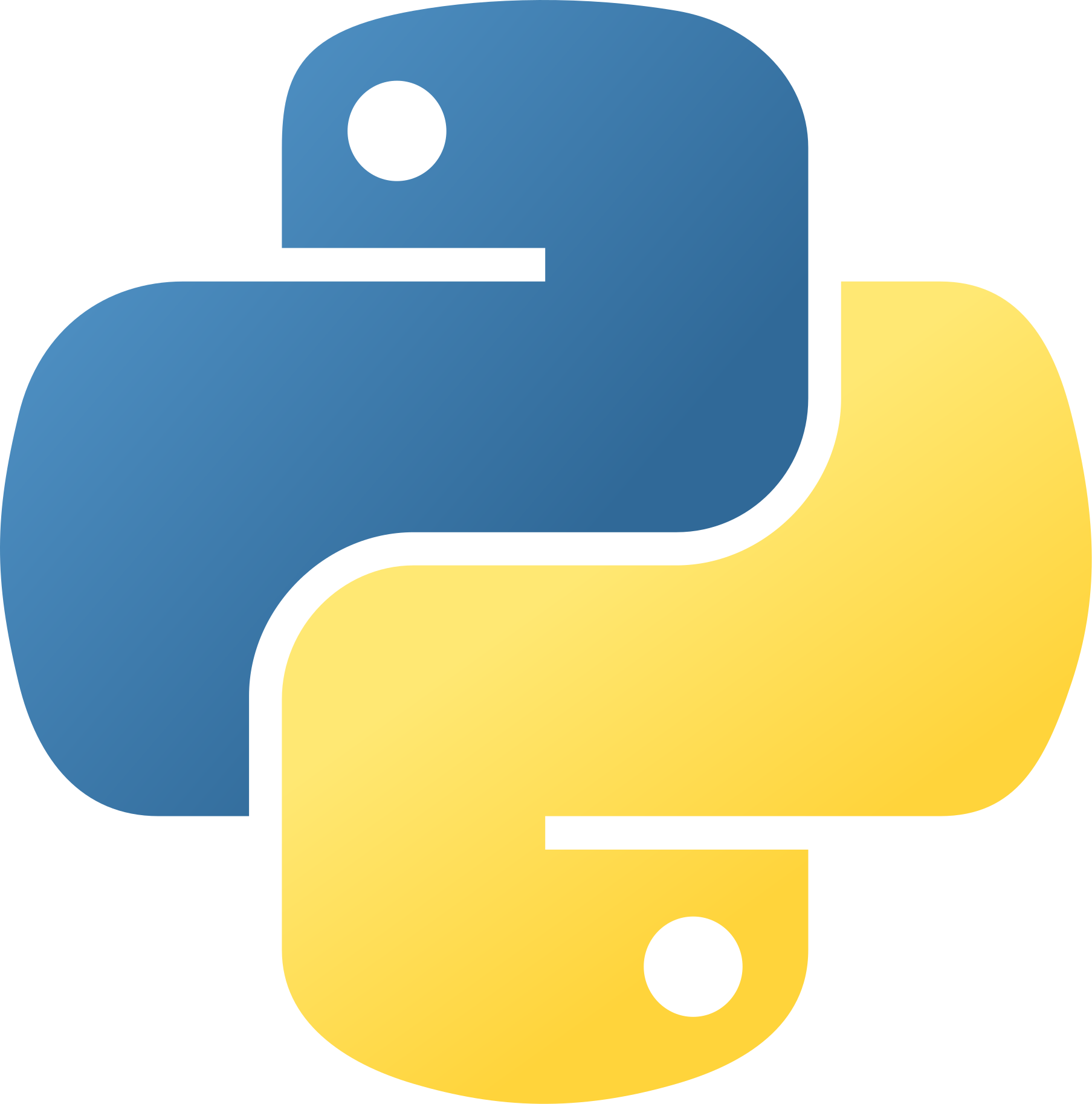
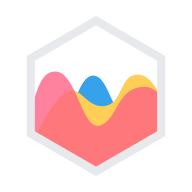


StreamTrace

Web Application Development

Created by

Hacktivists of Aptech Qatar



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# Problem

The challenge is to develop "StreamTrace," a user-friendly web application enabling users to efficiently manage their streaming subscriptions. The application must offer functions like adding, modifying, and removing streaming services, marking favorites, setting reminders for payments and shows, and allowing searches, sorting, and filtering. This responsive platform aims to streamline subscription tracking, renewal dates, payments, and favorite shows for individuals, ensuring an organized and convenient streaming experience.

# Solution

To build the web application, we chose to use the Flask, a Python framework to build small web applications. For storing data, we integrated MongoDB with the help of PyMongo to connect our Flask web app with the Online database. The reason for us to choose these two is that they are extremely easy and fast to build any kind of web application in a short period of time. The frontend was designed using Bootstrap, jQuery, DataTables, and Chart.js, which helped us to create a visually pleasing and responsive interface. These technologies together ensure that tracking subscriptions is smooth and that users have an improved experience on the StreamTrace platform.

# Design Specifications

# Diagrams

# Database Design

# Source Code

# Installation Guide

# User Manual

# References

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Available at: https://getbootstrap.com/docs/5.3/

Ronancher, A., 2023. *Flask 2.3.x Documentation.* [Online]  
Available at: https://flask.palletsprojects.com/