Streamlit and CiviCRM: A Winning Team for Custom UIs and Dashboards?

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Streamlit-Universe
What is Streamlit?

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

st.write(""
# My first app
Hello *world!*
""

df = pd.read_csv("my_data.csv")
st.line_chart(df)
```

My first app

Hello world!
Streamlit Widgets

- **Pick a number**: `number = st.slider("Pick a number", 0, 100)`
- **Pick a file**: `file = st.file_uploader("Pick a file")`
- **Pick a color**: `color = st.color_picker`
- **Pick a pet**: `pet = st.radio("Pick a pet", ['Dog', 'Cat', 'Bird'])`
- **Pick a date**: Calendar widget
Streamlit Community

Join the community

Welcome to our active community of developers and data scientists! Create beautiful apps, share knowledge through blog posts and video tutorials, and participate in forum discussions. Let's create magic together!

275K Monthly Active Developers
26K Forum Members
80+ Countries
31K GitHub Stars
One of the Project Issues ...
Solution with CiviCase
Case Interactive Overview

- Specific select option
- Specific columns
- Specific marking of status fields
- Sort fields
- Jump into application
Specific Kanban Board

- Get Kanban-Board directly from CiviCRM-Data
- Use any dimension you like
- Jump to CiviCRM per case
- Change case tags
- Drag and drop to other status
- Simple view
Building the Kanban Board
Maintain Contact

- Use field list of contact
- Map Civi field type to Streamlit Widget
- Handle Multiple Choices
- One or more fields per line
Data and Maps

Folium Karte in Streamlit
Architecture

- Streamlit UI-Framework
- CiviCRM
- Mr.Robot Integration
Stay curious