```
import numpy as np

import pandas as pd

import streamlit as st

from pandas_profiling import ProfileReport

from streamlit_pandas_profiling import st_profile_report


# Web App Title

st.markdown('''

# **The EDA App**

This is the **EDA App** created in Streamlit using the **pandas-profiling** library.

**Credit:** App built in `Python` + `Streamlit` by [Chanin Nantasenamat](https://medium.com/@chanin.nantasenamat) (aka [Data Professor](http://youtube.com/dataprofessor))

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''')


# Upload CSV data

with st.sidebar.header('1. Upload your CSV data'):

    uploaded_file = st.sidebar.file_uploader("Upload your input CSV file", type=["csv"])

    st.sidebar.markdown("""

[Example CSV input file](https://www.kaggle.com/datasets/pavansubhasht/ibm-hr-analytics-attrition-dataset?select=WA_Fn-UseC_-HR-Employee-Attrition.csv)

""")

#       st.sidebar.markdown("""

# [Example CSV input file](https://raw.githubusercontent.com/dataprofessor/data/master/delaney_solubility_with_descriptors.csv)

# """)
```

```
# Pandas Profiling Report
if uploaded_file is not None:
    @st.cache
    def load_csv():
        csv = pd.read_csv(uploaded_file)
        return csv
    df = load_csv()
    pr = ProfileReport(df, explorative=True)
    st.header('**Input DataFrame**')
    st.write(df)
    st.write('---')
    st.header('**Pandas Profiling Report**')
    st_profile_report(pr)
else:
    st.info('Awaiting for CSV file to be uploaded.')
    if st.button('Press to use Example Dataset'):
        # Example data
        @st.cache
        def load_data():
            a = pd.DataFrame(
                np.random.rand(100, 5),
                columns=['a', 'b', 'c', 'd', 'e']
            )
            return a
        df = load_data()
        pr = ProfileReport(df, explorative=True)
        st.header('**Input DataFrame**')
        st.write(df)
```

```
st.write('---')

st.header('**Pandas Profiling Report**')

st_profile_report(pr)
```