import streamlit as st

import yfinance as yf

def get\_fundamental\_data(ticker):

stock = yf.Ticker(ticker)

info = stock.info

data = {

"Selskap": info.get("longName", "N/A"),

"Markedsverdi": f"{info.get('marketCap', 'N/A'):,}" if info.get('marketCap') else "N/A",

"P/E-forhold": info.get("trailingPE", "N/A"),

"EPS (Inntjening per aksje)": info.get("trailingEps", "N/A"),

"Gjeldsgrad (Debt-to-Equity)": info.get("debtToEquity", "N/A"),

"ROE (Return on Equity)": info.get("returnOnEquity", "N/A"),

"Inntektsvekst": info.get("revenueGrowth", "N/A")

}

return data

def evaluate\_stock(data):

pe = data.get("P/E-forhold")

roe = data.get("ROE (Return on Equity)")

debt = data.get("Gjeldsgrad (Debt-to-Equity)")

growth = data.get("Inntektsvekst")

rating = "Nøytral"

if pe != "N/A" and pe < 20 and roe != "N/A" and roe > 15 and debt != "N/A" and debt < 1.5:

rating = "Sterk Kjøp"

elif pe != "N/A" and pe > 30:

rating = "Overpriset"

elif growth != "N/A" and growth < 0:

rating = "Risiko – Inntektsnedgang"

return rating

# Streamlit UI

st.set\_page\_config(page\_title="Fundamental Analyse", layout="centered")

st.title("📈 Fundamental Analyse Bot")

ticker = st.text\_input("Skriv inn aksjesymbol (f.eks. AAPL for Apple):")

if ticker:

try:

data = get\_fundamental\_data(ticker)

rating = evaluate\_stock(data)

st.subheader("📊 Analyse av aksjen:")

st.json(data)

st.subheader("📈 Vurdering:")

st.success(f"Denne aksjen vurderes som: {rating}")

except Exception as e:

st.error(f"Noe gikk galt: {e}")

st.markdown("---")

st.caption("Laget med ❤️ av din personlige AI-assistent")