import random

import streamlit as st

from textblob import TextBlob

# Extended Fashion Knowledge Base

COLOR\_COMBINATIONS = {

"black": ["white", "gold", "red", "grey", "silver"],

"white": ["blue", "black", "pastel shades", "olive green"],

"beige": ["pastel pink", "brown", "rust"],

"navy blue": ["mustard yellow", "white", "grey"],

"lavender": ["mint green", "grey", "white"],

"red": ["denim blue", "black", "cream"],

"olive green": ["cream", "rust", "white"],

"grey": ["black", "red", "navy blue"],

"brown": ["beige", "cream", "mustard"],

"pastel pink": ["white", "beige", "light grey"]

}

FASHION\_TRENDS = [

"Y2K aesthetic",

"Oversized blazers",

"Baggy jeans & crop tops",

"Statement belts",

"Chunky sneakers",

"Matching coords",

"Minimalist neutral tones",

"Sporty streetwear",

"Utility fashion with pockets",

"Denim on denim"

]

OOTD\_SUGGESTIONS = [

"High-waist jeans + relaxed tee + sneakers",

"Oversized shirt + straight pants + crossbody bag",

"Flared trousers + plain tee + boots",

"Denim jacket + cargo pants + basic tee",

"Co-ord set + minimal accessories",

"Satin shirt + wide-leg jeans + heels",

"Crop top + midi skirt + sandals"

]

STYLE\_TIPS = [

"Add a belt to instantly elevate a simple dress.",

"Layering is key for a stylish and dynamic outfit.",

"Mix textures like denim, leather, and cotton for contrast.",

"Always balance oversized and fitted pieces.",

"Accessories can change the entire vibe of your outfit."

]

# SlayBot with Improved Logic

class SlayBot:

def \_\_init\_\_(self):

pass

def extract\_color(self, prompt):

blob = TextBlob(prompt)

for word in blob.words:

word\_lower = word.lower()

if word\_lower in COLOR\_COMBINATIONS:

return word\_lower

return None

def respond(self, prompt):

prompt = prompt.lower()

if "color" in prompt or "goes with" in prompt or "match with" in prompt:

color = self.extract\_color(prompt)

if color:

options = COLOR\_COMBINATIONS[color]

return f"{color.title()} pairs well with {', '.join([c.title() for c in options])}. Try mixing and matching!"

else:

return "I couldn't detect the base color. Try rephrasing your question."

elif "trend" in prompt or "trending" in prompt or "what's in" in prompt:

return f"Hot trend alert! {random.choice(FASHION\_TRENDS)} is super in right now."

elif "ootd" in prompt or "outfit" in prompt or "wear" in prompt:

return f"Here's an outfit idea for you: {random.choice(OOTD\_SUGGESTIONS)}"

elif "tip" in prompt or "advice" in prompt or "style me" in prompt:

return f"Style tip: {random.choice(STYLE\_TIPS)}"

elif "help" in prompt or "what can you do" in prompt:

return ("SlayBot can help you with:"

"- Color combinations (e.g., 'What goes with red?')\n"

"- Latest fashion trends (e.g., 'What's trending?')\n"

"- Outfit of the day ideas (e.g., 'Give me an OOTD')\n"

"- Styling tips (e.g., 'Give me a fashion tip')")

else:

return "Hmm... I'm not sure I understood that. Try asking about colors, trends, outfits, or styling tips."

# Streamlit UI

bot = SlayBot()

st.set\_page\_config(page\_title="SlayBot - AI Fashion Assistant", page\_icon="🧥")

st.title("🧥 SlayBot - Your AI Fashion Assistant")

st.markdown("\_Talk to your AI stylist! Ask about colors, trends, outfits or tips.\_")

if "history" not in st.session\_state:

st.session\_state.history = []

user\_input = st.chat\_input("Ask me something fashionable...")

if user\_input:

response = bot.respond(user\_input)

st.session\_state.history.append((user\_input, response))

for q, a in st.session\_state.history:

with st.chat\_message("user"):

st.write(q)

with st.chat\_message("assistant"):

st.write(a)