

```

import streamlit as st
from streamlit_calendar import calendar
from replit_ai.common import SimpleModel
import json
from datetime import datetime

st.set_page_config(page_title="Toki-Style AI Planner", layout="wide")

st.title("The AI Calendar")
st.write("Type your messy plans below. The AI will build your visual timetable.")

# 1. Input Section
user_input = st.text_area("What's happening today?", placeholder="e.g. 10am Coffee, 12-2pm Deep Work, Gym at 5...")

if st.button("Magic Schedule ✨"):
    if user_input:
        model = SimpleModel()
        # We force the AI to give us JSON so the calendar can read it
        prompt = f"""
Extract events from this text: '{user_input}'.
Return ONLY a JSON list of objects with 'title', 'start', and 'end'.
Use today's date ({datetime.now().strftime('%Y-%m-%d')}).
Example: [{{"title": "Gym", "start": "2026-03-14T17:00:00", "end": "2026-03-14T18:00:00"}]}
"""

        response = model.chat([{"role": "user", "content": prompt}])
        try:
            # Clean and parse the AI response
            events = json.loads(response.choices.message.content.strip())

            # 2. The Visual Calendar
            calendar_options = {
                "initialView": "timeGridDay",
                "selectable": True,
                "headerToolbar": {"left": "prev,next today", "center": "title", "right":
"timeGridDay,dayGridMonth"},
            }

            st.subheader("Your Visual Timetable")
            calendar(events=events, options=calendar_options)

        except Exception as e:
            st.error("The AI got confused. Try being more specific with times!")

```

```
else:  
    st.warning("Write something first!")
```