DailyLifeRoleplay App Summary

Repository analyzed: /Users/magnus/Work/DailyLifeRoleplay

What It Is

A local Streamlit proof-of-concept conversation trainer for Danish aphasia practice, focused on everyday roleplay scenarios. It combines chat, selectable response options, optional speech input via WebSocket, and spoken output via local/Azure TTS paths.

Who It’s For

Primary persona: a Danish-speaking person with aphasia practicing short, structured daily-life dialogues, often with caregiver or therapist support.

What It Does

- Runs a Streamlit conversation UI with message history and assistant turns.
- Loads predefined scenario JSON files from scenarios/*.json.
- Supports ad-hoc custom scenario setup in the sidebar.
- Offers two input modes: text suggestions or emoji-style option buttons.
- Provides universal quick actions: Hjaelp, Forstaar ikke, Ja, Nej.
- Can listen to speech input from ws://localhost:9000/transcribe.
- Speaks replies via Azure Speech when configured, with pyttsx3 fallback.

How It Works (Repo-Evidenced Architecture)

- UI layer: app.py (Streamlit) manages state, options, and scenario mode.
- Scenario data: scenarios/*.json adds per-scenario prompt additions and first message.
- Model layer: AzureOpenAI chat.completions returns strict JSON with reply + suggestions.
- Speech-in path: WebSocket client consumes partial/final transcript events.
- Speech-out path: local HTTP /_tts handlers call Azure Speech SDK or pyttsx3.
- Not found in repo: realtime_transcriber.py implementation referenced in README.
- Evidence mismatch: README describes Ollama flow; app.py uses Azure OpenAI client.

How To Run (Minimal Getting Started)

```
1. cd /Users/magnus/Work/DailyLifeRoleplay
2. python3 -m venv .venv && source .venv/bin/activate
3. pip install -r requirements.txt
4. Set AZURE_API_KEY, AZURE_ENDPOINT, AZURE_DEPLOYMENT, AZURE_API_VERSION
5. Optional speech service at ws://localhost:9000/transcribe (Not found in repo)
6. python -m streamlit run app.py
```

Source basis: README.md, app.py, Dockerfile, requirements.txt, scenarios/*.json