

Claude Prompt

KM I actually need to combine all of this code into one file if possible.

Claude Output:

I've created two files for you:

`aac_board_generator.py` (782 lines) - The fully combined single file containing:

- `ArasaacMatcher` - Symbol database loading and matching
- `SceneCaptioner` - BLIP image captioning
- `ConceptExtractor` - spaCy NLP processing
- `SynsetMapper` - WordNet synset mapping
- `BoardGenerator` - The enhanced version with WordNet expansion and min/max symbols
- `run_streamlit_app()` - The full Streamlit interface

Run it with: `streamlit run aac_board_generator.py`

`demo_app_cleaned.py` - A standalone cleaned version of your original demo that removes the `scene_classifier` and `context_vocab` references (in case you want to keep the multi-file structure).

What was removed from `demo_app`:

- `detected_scene` session state and display
- `scene_classifier.classify_scene()` calls after board generation
- `context_vocab.get_context_vocabulary()` and its expander display
- The "Supported scene contexts" expander at the bottom

Note: You'll need to update the `ARASAAC_DATA_PATH` at the top of `aac_board_generator.py` to match wherever your JSON data file is located on your system.



Aac board generator
PY

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Demo app cleaned
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Please draft the README and requirements.txt file for this final code file.

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Done! Here's what each file contains:

requirements.txt

- All Python dependencies with minimum versions
- Install with: `pip install -r requirements.txt`

README.md

- Project overview and authors
- Installation instructions (including spaCy model and NLTK downloads)
- Usage instructions for running the Streamlit app
- Project structure
- Technical architecture explanation
- Evaluation results
- Dataset information and references

After installing from requirements.txt, remember you still need to run:

```
bash
python -m spacy download en_core_web_sm
```

And in Python:

```
python
import nltk
nltk.download('wordnet')
```



Readme

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Requirements

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