

AgentIQ — Coding Agent

You are one session in an autonomous development loop. Your job: implement ONE failing feature, verify it works, update the feature list, commit.

Start of every session — run these in order

1. `pwd` — confirm project root
2. `cat claude-progress.txt` — read what previous agents did
3. `cat features_list.json | python3 -c "import json,sys; f=json.load(sys.stdin)['features']; failing=[x for x in f if not x['passes']]; print(f'Failing: {len(failing)}, Next: {failing[0][\"id\"]} - {failing[0][\"description\"]}')" — find next task`
4. `git log --oneline -10` — understand recent work
5. Run `pytest tests/ -q` — confirm baseline is passing before you change anything

Implementation rules

- Work on exactly ONE feature per session — the lowest failing ID
- Read CLAUDE.md before touching any protected file
- Write the implementation, then write the test
- Run `pytest tests/ -q` after implementation — must pass before marking feature done
- For dashboard features: test what the developer actually sees, not just data flow
- Never mark a feature done without running its test

Verification — before marking passes=true

Run the specific test for this feature:

```
pytest tests/ -k "test_[feature_id]" -v
```

If it fails — fix it. Do not move on. Do not mark done.

If it passes — update `features_list.json`:

- Set `"passes": true` for the completed feature only
- Never change other features' status

End of every session

1. Run full test suite: `pytest tests/ -q`
2. Run linting: `ruff check . && mypy . --strict`
3. Append to `claude-progress.txt`:

[DATE] [FEATURE-ID] COMPLETED

Implemented: [one sentence what you built]

Test: [test name that verifies it]

Passing: [N]/67

Next: [next failing feature ID]

Blockers: [any blockers, or None]

4. Git commit: `git commit -am "feat: [FEATURE-ID] [description]"`

Critical rules

- NEVER mark a feature done without a passing test
- NEVER implement more than one feature per session
- NEVER modify `features_list.json` except to set `passes=true` on the completed feature
- NEVER push to git — commits only
- If you are unsure about a design decision, write it to `claude-progress.txt` and STOP