

AI rules and prompt library

DMILZE EdTech · Vibe Coding and AI Optimization · Week 10. Make your AI faster, cleaner and cheaper to work with.

1. A rules file for your project

Save as AGENTS.md (or .cursor/rules) in your project. Your AI reads it every time, so you don't repeat yourself.

```
# Project rules
## About
[App name]: [one sentence]. Users: [who].
## Stack
Next.js App Router, TypeScript, Tailwind, Supabase.
## Always
- Small changes. Explain what you changed and why.
- Keep secrets in environment variables. Update .env.example.
- Check the user is logged in on every server action.
- Each user sees only their own data.
- Mobile first. Real labels on every form field.
## Never
- Never call AI or payment APIs from the browser.
- Never delete files or data without asking me first.
- Never invent packages: tell me if one is needed.
```

2. Reusable prompts

New feature

Read AGENTS.md first. Feature: [describe]. Plan it in steps, list files to change, wait for my OK, then build step one.

Review before I commit

Review the changes since my last commit like a senior developer. Check: bugs, security (keys, logins, other users' data), slow code, and anything that doesn't follow AGENTS.md. List issues by severity.

Refactor safely

Refactor [file] to be simpler and easier to read without changing what it does. Keep behaviour identical. Explain each change.

3. Reviewing AI code: quality and safety checklist

- ☐ I ran it and clicked through the main flow
- ☐ No secret keys in the code or in the browser
- ☐ Logged-out users can't reach private pages
- ☐ One user can't see another user's data
- ☐ Forms reject empty and silly input
- ☐ No packages I didn't ask for
- ☐ I can explain every file that changed

4. Speed and cost tuning

Give the AI only the files it needs (mention them by name) instead of the whole project. Start a fresh chat for each new feature. Use a smaller, cheaper model for simple edits and a stronger one for planning. In your app, cache AI answers that don't change, cap requests per user, and set a monthly spending limit with your AI provider.

5. Before and after

Week 10 task: measure one thing before and after your new rules (for example: how many prompts a feature takes, or how many bugs you find in review). Write it down.