☰ 🗀 › ChatGPT 5 ⌄ ✎

13) Draft the first Class Diagram entries

- Reminder: a class has **attributes** (data) and **operations** (behavior). Start simple; add detail later. lessons-1-5-mpp lessons-1-5-mpp
- **Exercise** (slides): Create a UML class for **Student**; solution shown as:
  - Attributes: name, ssn, birthdate, gpa
  - Operations: registerForCourse(), dropCourse(), chooseMajor() lessons-1-5-mpp
    lessons-1-5-mpp

Why: Turning nouns into classes with realistic fields/methods is the bridge from **analysis → design → code**.

14) Grow attributes & operations responsibly

- **Attributes**: pull from requirements, domain knowledge, domain experts, or legacy systems. lessons-1-5-mpp
- **Operations**: often suggested by **associations** and class responsibilities (covered more in later lessons). lessons-1-5-mpp

Why: Prevents guesswork — tie details to business meaning and relationships.

Quick reuse checklist (apply this flow to any new domain)

1. Read & annotate the **problem statement** for nouns/verbs/rules. lessons-1-5-mpp
2. List **actors** and **use cases**; write the **Main Flow** (alternates separate). lessons-1-5-mpp
   lessons-1-5-mpp
3. Add **user stories** to capture value/priorities. lessons-1-5-mpp
4. Mine **noun phrases** → streamline → group synonyms → pick best terms. lessons-1-5-mpp
   lessons-1-5-mpp
5. Decide **classes vs attributes**; **ignore implementation classes** for now. lessons-1-5-mpp
   lessons-1-5-mpp
6. Lock a **first class list** + mini **data dictionary**. lessons-1-5-mpp lessons-1-5-mpp
7. Sketch **class diagrams** (attributes + operations) for the core entities. lessons-1-5-mpp

If you want, I can turn this into a one-page printable "SRS template" you can reuse for

+ Ask anything 🎤 ⑈

ChatGPT can make mistakes. Check important info.