

# Assignment 2: Building a System with OOP

## (Group Project)

**Deadline: May 17, 2026**

**Description:** Using Java to create a **useful and challenging** program! You can follow your design in Assignment 1. But remember this is a GROUP project, not an individual project. Besides, you can use whatever third-party tools, platforms, and IDEs. **Just make sure you are not copying the code from others. Please fill the [online form](#) once you decide on your group member(s) and your project name, before April 24.**

### Important Notes:

- Each group should consist of 2 to 5 students (**single person is not allowed**)
- At least 8 user-defined classes
- At least 1 UML class diagram in your report
- Runnable with Java 25
- GUI (Graphical User Interface) is not essential

### Assessment:

- Program source code
- Group presentation (5-8 minutes)
- Group report (Template: [U10M12004-OOP-Report-Group-XX.doc](#))

**What you need to submit:** Each group should submit a group report (fewer than 10 pages and in PDF format) and a runnable Java package (or ZIP file) via email to our TA **Mr. Baiqing Wang** ( [wbq@mail.nwpu.edu.cn](mailto:wbq@mail.nwpu.edu.cn) ) before the deadline. Make sure that your program is runnable with Java 25. The group presentations will be delivered after the last lecture. The actual date will be announced later.