**Assignment**

In this assignment you are required to design and implement a software system. Your final deliverables should include:

**Software Design [50%]**

* Apply at least one design pattern
* Apply at least one architectural style
* Must at least have use case diagrams, class diagrams, sequence diagrams, and activity diagrams.

**Software Implementation [50%]**

* A workable product should be presented.

You are free to pick up the project topic. It can be a website, desktop software, or a mobile platform, etc all are welcome.

Deadline: according to CMS

What to submit?

* Complete source code
* Design document