

DUT-Info/S3/M3105 (CPOA) : Projet refactoring

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Refactoring of an existing code

You are asked to refactor the application you will find on this repo:

<https://github.com/codurance/task-list>

TIP | This one you can do in `python` or some other language than Java!

Here are your initial tasks for this project:

- ☐ Replace this README.adoc so that it contains your report on what you've done to refactor.
- ☐ Explain how to deploy your app (e.g., `mvn install` or `gradle install`)

Expected activity

You have up to December 17th, 2020 to improve as much as possible the code of your chosen application :

- New design patterns
- Good practices (e.g., SOLID)

TIP | Start simple, and remember to document in your README.

TIP | To guide you, try to anticipate code evolution.

Expected Results

GitHub repo

Use this repo to host your code. You can use branches if you think it is pertinent.

UML Models

No models is required nor expected, but if you need some to explain a refactoring, feel free to use them. They will be appreciated.

Expected Deliverables

The entry point of your report is the **README** of the **master** branch.

Mandatory elements:

- ☐ your name
- ☐ a table of content une courte explication par chaque fonctionnalité nouvelle ou refactoring précis avec des extraits de code illustratifs et une justification.

Evaluation criteria

You can work in teams of 2 max (but then double work will be expected).

The main criteria for grading will be the following:

- pertinence of the choices
- pertinence of the tests
- overall code quality
- documentation quality (illustration, explanations)
- number and difficulty of the refactoring elements