03- Notes - Git and maven

📖 Course	🕸 <u>Web Applications</u>
☀ Confidence	Not Confident
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What is `git` ?

> 💡 **Definition**
>
> Version control system

The `.gitignore` file

Each line in a .gitignore file specifies a pattern to be matched to decide whether to exclude files and/or directories

What is Maven?

> 💡 **Definition**
> Maven is a tool for managing Java software projects and supporting developers in keeping
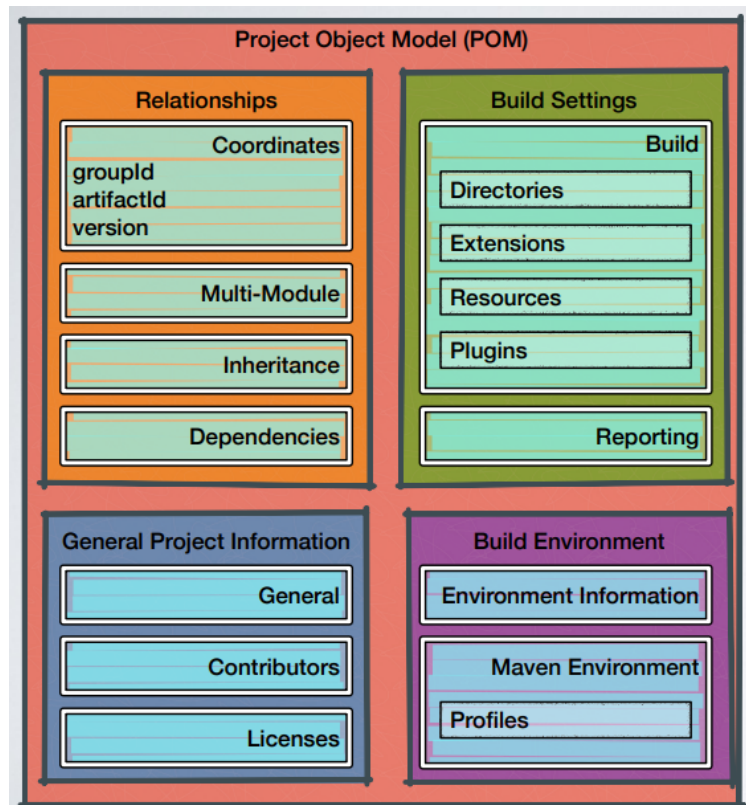> track of the status of a project

Responsible for:

- Build

- Dependency management

- Deployment and packaging

- Collaboration and documentation

What is the POM file?

> 💡 **Definition**
>
> The **Project Object Model (POM)** is a single XML file which puts together, in a declarative way, phases, goals and plugins for a project

It has 3 predefined build lifecycles:

- **clean**: manages the cleaning of the project, i.e. it deletes all the files generated
  by a build

- **default**: manages the whole development of the project

- **site**: manages the creation of a project site and of the documentation

`setting.xml` file

> 💡 **Purpose**
> Contains overall configuration for Maven

Running Maven

```
mvn [options] [<goal(s)>] [<phase(s)>]
```