Git Conventions

Merge to Master:

- Ensure the current branch is merged from master and **solve all conflicts** on your working branch.
- Merge to master process should **no conflicts occurred.**

Commit Convention:

- Write the summary line and description of what you have done in the **imperative mood**, that is as if you were commanding someone. Start the line with **"Fix", "Add", "Change"** instead of "Fixed", "Added", "Changed".
- Structure of commit message:
  - Short (50 chars or less) summary of changes

    More detailed explanatory text, if necessary. Wrap it to about 72
    characters or so. In some contexts, the first line is treated as the
    subject of an email and the rest of the text as the body. The blank
    line separating the summary from the body is critical (unless you omit
    the body entirely); tools like rebase can get confused if you run the
    two together.

    Further paragraphs come after blank lines.

      - Bullet points are okay, too

      - Typically a hyphen or asterisk is used for the bullet, preceded by a
        single space, with blank lines in between, but conventions vary here

Version Control:

	Description
Version X.Y.Z	- X: major release - Y: minor release - Z: build

Branch:

Branch type	Branches	Naming Convention	Description
Main branches	master	origin/master	Accepts merges from Features/Issues and Hotfixes
	release branch	origin/versionX.Y	Accepts merges from master and hotfixes.
	frontend	origin/frontend	Frontend master branch.
	backend	origin/backend	Backend master branch.
Supporting Branches	Feature branches	feature/topic-*	Branch off HEAD of the master.
	Bugfix branches	bugfix/bug-id	Branch off release or master.
	Hotfix branches	hotfix/hotfix-id	Branch off release

- The Master Branch should always a runnable version.
- Everyone in the development team should be developing on each own Branch.
- Supporting Branches:
  - Feature branches: must branch from master and merge back to master.
  - Bugfix branches: must branch from master and merge back to master.
  - Hotfix branches: must branch from versionX.Y and merge back to master and VersionX.Y.

Commit Message:

<Type-- behavior description --Task No.>

Elements	Description	
Type	add	add new features.
	fix	bugfix
	docs	documentation
	test	add test code.
	refactor	refactor the code without any functional changes.
	revert	revert back to perversion.
	remove	remove documents or branches.
	modify	modify some functional code.
	disable	disable some functions.
Behavior description	brief description of the operation.	
Task No.	The number of the task on Jira.	