

# Code management (online course)

## Requirement Document

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## Features

User roles:

L: lecturer      T: tutor      S: student

After users have logged in, they can have the operations below:

### CODE (ESSENTIAL COMPONENT):

-add

L/T/S:      Add a new piece of code and commit to github

-delete

L/T/S:      Delete a piece of code and commit to github, Lecturer can delete any code under his course, tutor can delete any code under his project, Student can only delete his own work

-update

L/T/S:      Update a piece of code and commit to github

-revert

S:              Revert to a former version of code

-view history

L/T/S:      View history visions of codes

-compare

S:              Compare different versions of codes

### GROUP:

-create

L :      Lecturer can create new group. Assign group members to the group.

-delete

L:      Lecturer can delete an existing group

-modify

L:      Lecturer can change the members of a group

-assign tutor

L:      Assign tutors to an existing group

- assign project

L/T: Lecturer can assign a project to an existing group

### **PROJECT:**

- create project

L: Lecturer can create a new project

-delete project

L: Lecturer can delete an existing project

### **COMMENT**

-add:

L/T: Add comment to student's code

-view

L/T/S: View all comments of code

### **TAG**

-add

L/T/S: Add tags to user's own code

-update

L/T/S: Update tags of user's own code

-delete

L/T/S: Delete tags of user's own code