**Configuration of Scenarios.**

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| Name | Class | Scenario |
| setUpStage1 | VersionControllerTest | Setting up an instance of an empty VersionController. |
| setUpStage2 | VersionControllerTest | Setting up an instance of VersionController and adding a reminder activity. |
| setUpStage3 | VersionControllerTest | Setting up an instance of VersionController and adding a high-priority task activity. |

**Test Case Design.**

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| **Objetivo de la Prueba:** Verify that control versions are handled correctly alongside the functionality of deleting and editing activities. | | | | |
| Class | Method | Scenario | Input Values | Expected Outcome |
| VersionControllerTest | testNewController1 | setUpStage1 | versionController.getStack().size() | 1 |
| VersionControllerTest | testNewController2 | setUpStage2 | versionController.getStack().size() | 2 |
| VersionControllerTest | testNewController3 | setUpStage3 | versionController.getStack().size() | 2 |
| VersionControllerTest | testNewController4 | setUpStage2 | versionController.editActivity() | 3 |
| VersionControllerTest | testNewController5 | setUpStage2 | versionController.editActivity() | 3 |
| VersionControllerTest | testUndoAction1 | setUpStage1 | versionController.undoAction()  versionController.getCurrentController() | !=managementController |
| VersionControllerTest | testUndoAction2 | setUpStage2 | versionController.undoAction()  versionController.getCurrentController() | !=managementController |
| VersionControllerTest | testUndoAction3 | setUpStage3 | versionController.undoAction()  versionController.getCurrentController() | !=managementController |
| VersionControllerTest | testUndoAction4 | setUpStage3 | versionController.editActivity()  versionController.undoAction()  versionController.getCurrentController() | managementController |
| VersionControllerTest | testUndoAction5 | setUpStage2 | versionController.deleteActivity()  versionController.undoAction()  versionController.getCurrentController() | managementController |
| VersionControllerTest | testNotSameObjects1 | setUpStage2 | versionController.addActivity()  managementControoler.getSomething() | !=Activity |
| VersionControllerTest | testNotSameObjects2 | setUpStage2 | versionController.editActivity()  versionController.getCurrentController().getReminderQueue() | !=Reminder |
| VersionControllerTest | testNotSameObjects3 | setUpStage3 | versionController.editActivity()  versionController.getCurrentController().getPriorityQueueHigh().peek() | !=Task |
| VersionControllerTest | testNotSameObjects4 | setUpStage3 | versionController.editActivity()  versionController.getCurrentController().getPriorityQueueHigh().peek().getTittle() | !=Task |
| VersionControllerTest | testNotSameObjects5 | setUpStage2 | versionController.editActivity()  versionController.undoAction()  versionController.getCurrentController().getReminderQueue() | Reminder |
| VersionControllerTest | testEditActivity1 | setUpStage2 | versionController.editActivity()  versionController.getReminderQueue().getData().getTittle() | !=Reminder.getTittle() |
| VersionControllerTest | testEditActivity2 | setUpStage3 | versionController.editActivity()  versionController.getCurrentController().getPriorityQueueHigh().peek().getTittle() | !=Task.getTittle() |
| VersionControllerTest | testDeleteActivity1 | setUpStage2 | versionController.deleteActivity()  versionController.getCurrentController().getReminderQueue() | null |
| VersionControllerTest | testDeleteActivity2 | setUpStage3 | versionController.deleteActivity()  versionController.getCurrentController().getPriorityQueueHigh().peek() | null |