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MyTexEditor

## Release Report

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<css-007>

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# VERSIONS HISTORY

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Date	Version	Description	Author

## 1 Introduction

## 2 Tests

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<For the user stories included in this release specify below corresponding tests using a typical tabular form.>

### 2.1 Tests for User Story <1>

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<b>Test ID</b>	<i>Test ID1</i>
<b>User Story</b>	<i>US1</i>
<b>Test Class</b>	<i>CrateCommandTest.java</i>
<b>Description</b>	<i>Test if is created the correct templates</i>

### 2.2 Tests for User Story <2>

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<b>Test ID</b>	<i>Test ID2</i>
<b>User Story</b>	<i>US2</i>
<b>Test Class</b>	<i>EditCommandTest.java</i>
<b>Description</b>	<i>Test if change the contents properly</i>

### 2.3 Tests for User Story <3>

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<b>Test ID</b>	<i>Test ID3</i>
<b>User Story</b>	<i>US3</i>
<b>Test Class</b>	<i>AddMyTexCommand.java</i>
<b>Description</b>	<i>Test if change correct the contents after commands has been added</i>

## 2.4 Tests for User Story <4>

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<b>Test ID</b>	<i>Test ID4</i>
<b>User Story</b>	<i>US4</i>
<b>Test Class</b>	<i>Test_All.java</i>
<b>Description</b>	<i>Test if take version works correctly and if strategy has been set to stable ,the versions that has been taken exists in disk</i>

## 2.5 Tests for User Story <5>

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<b>Test ID</b>	<i>Test ID5</i>
<b>User Story</b>	<i>US5</i>
<b>Test Class</b>	<i>Test_All.java</i>
<b>Description</b>	<i>Test if when our strategy is Volatile and some versions has been taken and then we change strategy to Stable,the existing versions automatically been converted to files in disk.</i>

## 2.6 Tests for User Story <6>

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<b>Test ID</b>	<i>Test ID6</i>
<b>User Story</b>	<i>US6</i>
<b>Test Class</b>	<i>Test_All.java</i>
<b>Description</b>	<i>Test if when we disable the versions mechanism and then we take some versions,these does not exist anywhere</i>

## 2.7 Tests for User Story <7>

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<b>Test ID</b>	<i>Test ID7</i>
<b>User Story</b>	<i>US7</i>
<b>Test Class</b>	<i>Test_All.java</i>
<b>Description</b>	<i>Test if when we take two versions and then we call Rollback ,then the first will be appeared on screen</i>

## 2.8 Tests for User Story <8>

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<b>Test ID</b>	<i>Test ID8</i>
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<b>User Story</b>	<i>US8</i>
<b>Test Class</b>	<i>Test_All.java</i>
<b>Description</b>	<i>Test if when we save a document then a file is created ,in the disk, with the given name</i>

## 2.9 Tests for User Story <9>

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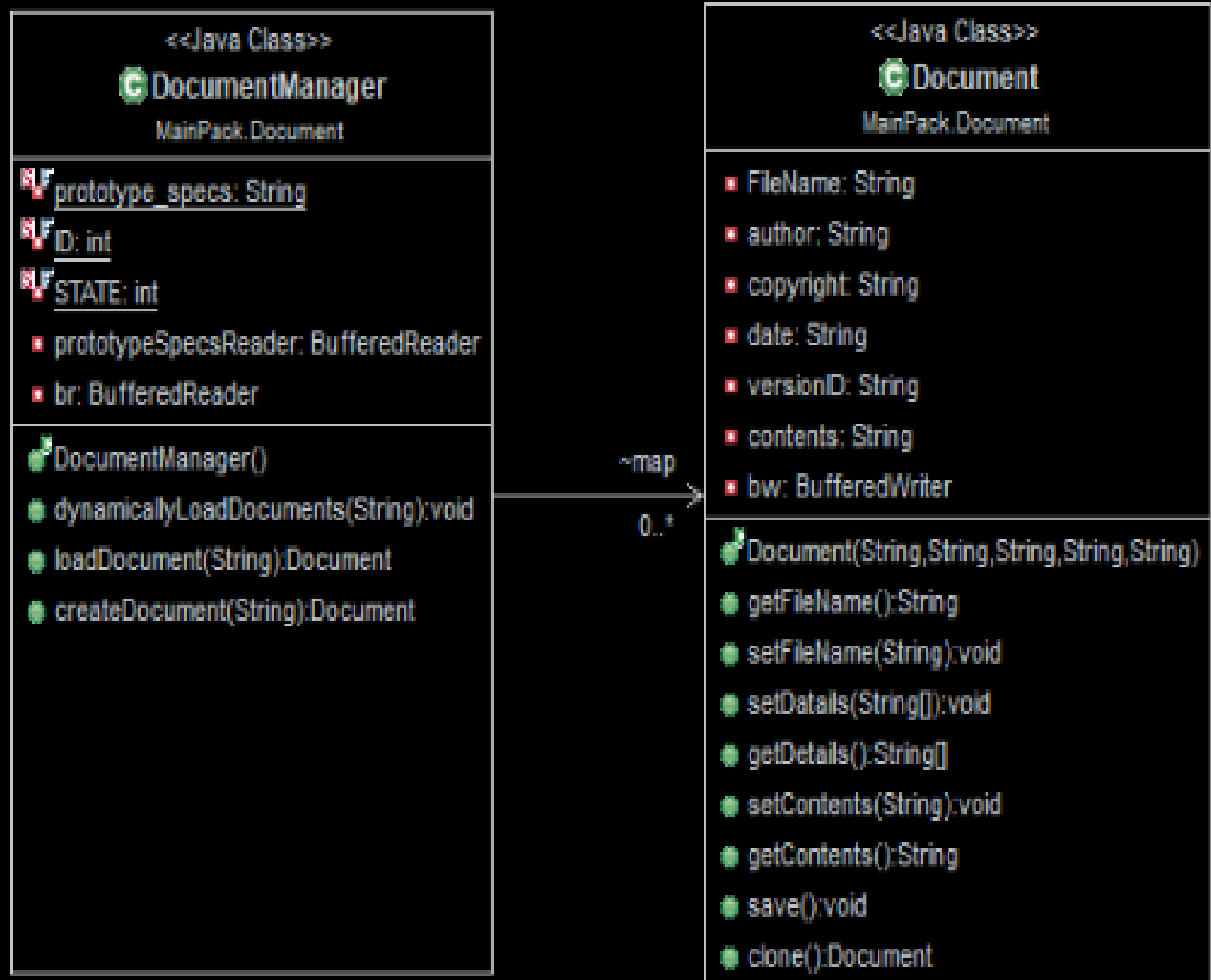
<b>Test ID</b>	<i>Test ID9</i>
<b>User Story</b>	<i>US9</i>
<b>Test Class</b>	<i>Test_All.java</i>
<b>Description</b>	<i>Test if when we have saved a file on disk and then we call Load (while we give the name of file) ,is created and shown to the view screen the contents of this file</i>

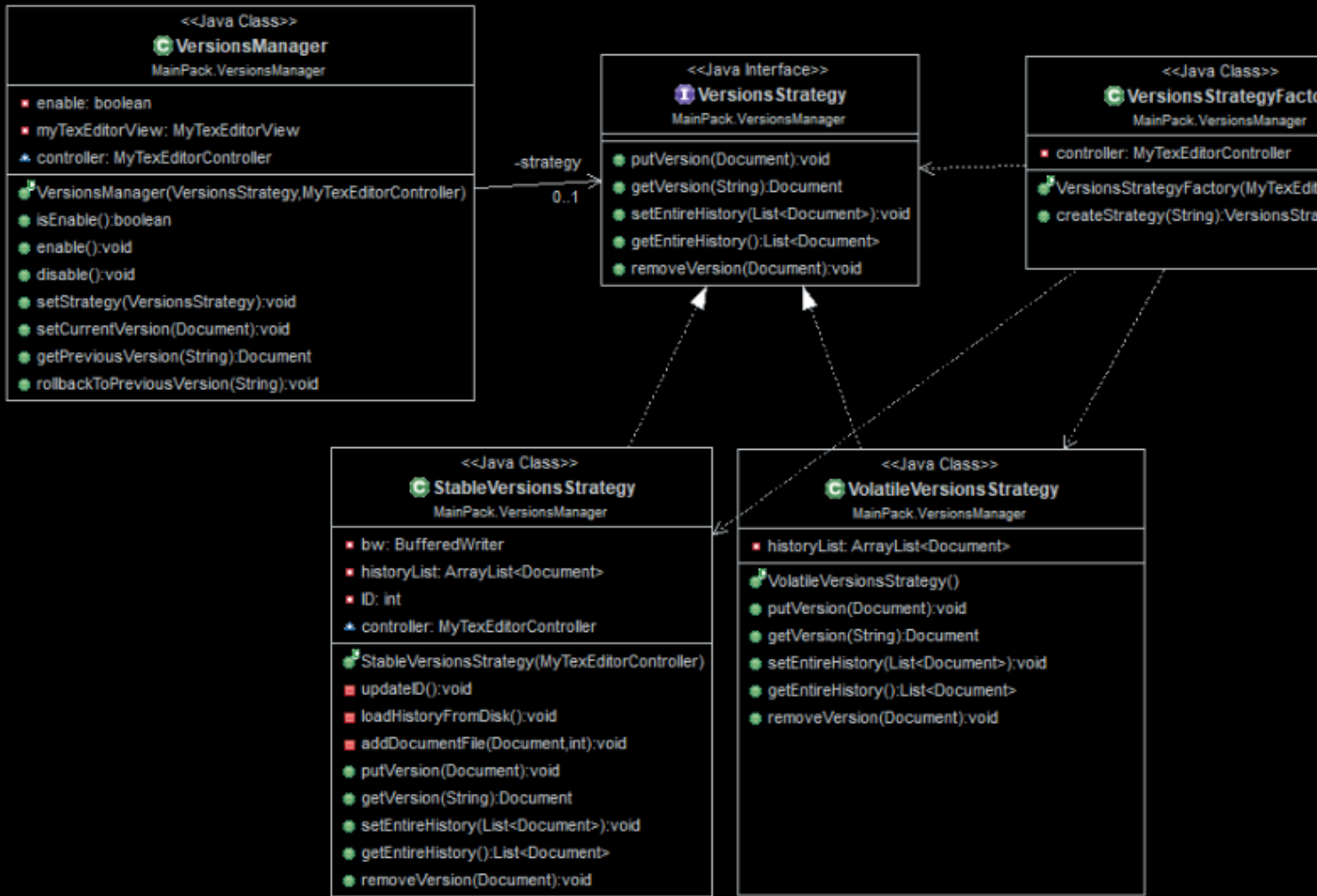
## 3 Design

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### 3.1 Architecture

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3.3



3.4

### 3.5 Design



Class Name: Main	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Is responsible to start the GUI application</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ MainViewController</li> <li>▪ MyTextView</li> <li>▪ Boot_class</li> </ul>

Class Name: boot_class	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Creates some important objects we need in the program</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ MyTextView</li> </ul>

Class Name: MyTextEditorController	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Creates and executes commands that exist in application</li> <li>▪ Includes accessor methods in order commands share information</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ CommandsFactory</li> <li>▪ Commands</li> <li>▪ MyTextView</li> </ul>

Class Name: Command	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ An interface class which define the execute method</li> </ul>	<b>Collaborations:</b>

Class Name: CommandFactory	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Creates the commands</li> </ul>	<b>Collaborations:</b>

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Class Name: AddMyTexCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Helps for testing</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Document</li> <li>▪ Command</li> </ul>

Class Name: EditCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Helps for testing</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Document</li> <li>▪ Command</li> </ul>

Class Name: ShowInViewCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Is responsible to display to the application template's contents</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Command</li> <li>▪ Document</li> <li>▪ MyTexEditorController</li> <li>▪ MyTexEditorView</li> </ul>

Class Name: CreateCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Creates documentManager</li> <li>▪ Creates VersionManager</li> <li>▪ Creates the default strategy with VersionStrategyFactory</li> <li>▪ Creates the specific document which</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ VersionStrategyFactory</li> <li>▪ VersionsManger</li> <li>▪ VersionsStrategy</li> <li>▪ Command</li> <li>▪ Document</li> <li>▪ DocumentManager</li> </ul>

user has chosen	
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Class Name: ChangeVersionStrategyToStableCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Create a Stable strategy with VersionStrategyFactory</li> <li>▪ Change VersionsManager's strategy</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Command</li> <li>▪ VersionManager</li> <li>▪ MyTexEditorController</li> <li>▪ VersionStrategyFactory</li> <li>▪ VersionsStrategy</li> </ul>

Class Name: ChangeVersionStrategyToVolatileCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Create a Volatile strategy with VersionStrategyFactory</li> <li>▪ Change VersionsManager's strategy</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Command</li> <li>▪ VersionManager</li> <li>▪ MyTexEditorController</li> <li>▪ VersionStrategyFactory</li> <li>▪ VersionsStrategy</li> </ul>

Class Name: ClearMemoryCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Is called when the Application shutdown and deletes unnecessary files(history versions files after save)</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Command</li> </ul>

Class Name: CloseTabCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Is called when a tab is closed, checks and pops up a window with which user decide to save or not the file</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Command</li> <li>▪ MyTexEditorView</li> <li>▪ MyTexEditorController</li> </ul>

Class Name: DisableVersionManagementCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Disable the mechanism which is responsible to take a version from view or execute RollBackToPreviousVersion</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Command</li> <li>▪ VersionManager</li> </ul>

Class Name: EnableVersionManagementCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Enable the mechanism which is responsible to take a version from view or execute RollBackToPreviousVersion</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Command</li> <li>▪ VersionManager</li> </ul>

Class Name: LoadCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Find the saved files</li> <li>▪ Pops up a window with these files and</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Command</li> <li>▪ MyTexEditorController</li> <li>▪ MyTexEditorView</li> </ul>

user choose which of that files wants to load <ul style="list-style-type: none"> <li>▪ Create the propriate document</li> <li>▪ Shows the saved contents to view screen</li> </ul>	
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Class Name: SaveCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Pops up a window which asks from user for the name of the file , if it isn't already saved</li> <li>▪ Create or update a file with the correct contents</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Command</li> <li>▪ MyTextEditorController</li> <li>▪ MyTextEditorView</li> </ul>

Class Name: NewTemplateCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Is called when the user creates a new document</li> <li>▪ Give to this document a new ID number</li> <li>▪ Ask from controller to shows the contents of document to screen view</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Command</li> <li>▪ MyTextEditorController</li> </ul>

Class Name: RollBackToPreviousVersionCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Give command to version controller to execute the previous version</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Command</li> <li>▪ MyTexEditorController</li> <li>▪ VersionsManager</li> </ul>

Class Name: TakeVersionCommand	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface Command</li> <li>▪ Read the contents from view screen</li> <li>▪ Creates a document</li> <li>▪ Adds it to strategy</li> <li>▪ All these happen if version mechanism is enable</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Command</li> <li>▪ MyTexEditorController</li> <li>▪ MyTexEditorView</li> <li>▪ VersionsManager</li> <li>▪ Document</li> </ul>

Class Name: DocumentManager	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Fills the Hashmap with the 5 type of documents which loads from disk</li> <li>▪ Is responsible to create clones</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ Document</li> </ul>

Class Name: Document	
<b>Responsibilities:</b>	<b>Collaborations:</b>

<ul style="list-style-type: none"> <li>▪ Store template's contents</li> <li>▪ Gives the ability to set and get the contents</li> </ul>	
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Class Name: VersionManager	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Is responsible to enable and disable version mechanism</li> <li>▪ Is responsible to put the new version to strategy</li> <li>▪ Get the previous version from strategy</li> <li>▪ Delete this version</li> <li>▪ Is responsible to show in view screen the previous version</li> <li>▪ All these happen if version mechanism is enable</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ MyTextEditorController</li> <li>▪ MyTextEditorView</li> <li>▪ VersionsStrategy</li> </ul>

Class Name: VersionStrategy	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Is an interface class for all kind of strategies</li> </ul>	<b>Collaborations:</b>

Class Name: StableVersionsStrategy	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface <b>VersionStrategy</b></li> <li>▪ Is responsible to keep the version Strategy to files at disk</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ MyTextEditorController</li> <li>▪ VersionStrategy</li> <li>▪ Document</li> </ul>

Class Name: VolatileVersionsStrategy	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Implements Interface <b>VersionStrategy</b></li> <li>▪ Is responsible to keep the version Strategy at list in main memory</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ VersionStrategy</li> <li>▪ Document</li> </ul>

Class Name: VersionsStrategyFactory	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Is responsible to create objects of type <b>VersionStrategy</b></li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ MyTextEditorController</li> </ul>

Class Name: MyTextEditorView	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Is responsible for the communication between FXML's controllers and MyTextEditorController</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ MyTextEditorController</li> </ul>

Class Name: ChoiceViewController	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Is the controller of Choice window(ChoiceView.fxml)</li> <li>▪ Controls window with which user choose the type of document that will create</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ MyTextEditorView</li> </ul>

Class Name: MainViewController	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Is the controller of Main window(MainView.fxml)</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ MyTextEditorView</li> </ul>

Class Name: OpenFileController	
<b>Responsibilities:</b>	<b>Collaborations:</b>



<ul style="list-style-type: none"> <li>▪ Is the controller of Open File window(OpenFile.fxml)</li> <li>▪ Controls window with which user choose which of the saved files will open</li> </ul>	<ul style="list-style-type: none"> <li>▪ MyTextView</li> </ul>
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Class Name: SaveFileController	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Is the controller of Save File window(SaveFile.fxml)</li> <li>▪ Controls window with which user will give the name of file that will be saved</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ MyTextView</li> </ul>

Class Name: CloseTabController	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Is the controller of Close Tab window(CloseTab.fxml)</li> <li>▪ Controls window with which user will verify if open document will be saved or not</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ MyTextView</li> </ul>

Class Name: AreYouSureController	
<b>Responsibilities:</b> <ul style="list-style-type: none"> <li>▪ Is the controller of Are You Sure window(AreYouSure.fxml)</li> <li>▪ Controls window with which user verify if a tab will be closed or not</li> </ul>	<b>Collaborations:</b> <ul style="list-style-type: none"> <li>▪ MyTextView</li> </ul>