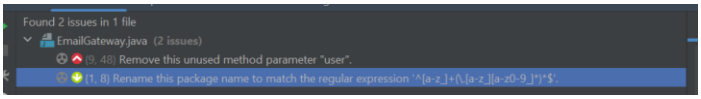
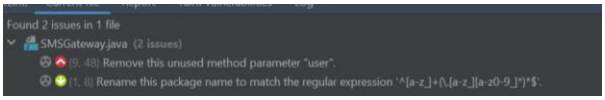
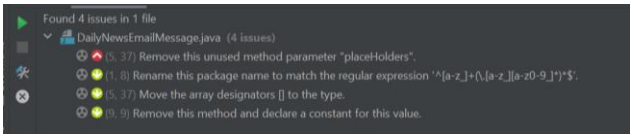
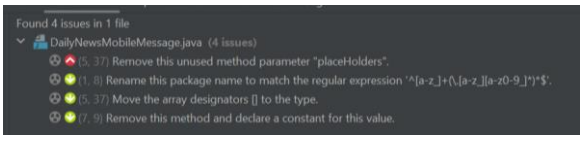
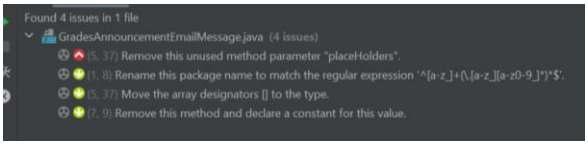
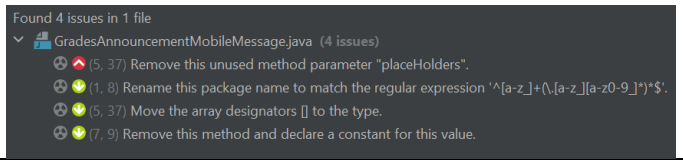
Software Maintenance & Evolution

Lab Assignment

Team Members:

Name	ID
Nouran ahmed abdelhady	**20196098**
Randa Zyad	**20196095**
Mariam Mohamed	**20196053**
Sylvia Sami	**20196027**

1- Static Analysis Report for current code:

Class	SonarQube analysis
Class EmailGateway	
Class SMSGateway	
Class DailyNewsEmailMessage	
Class DailyNewsMobileMessage	
Class Grade AnnouncementEmailMessage	
Class Grade AnnouncementMobileMessage	

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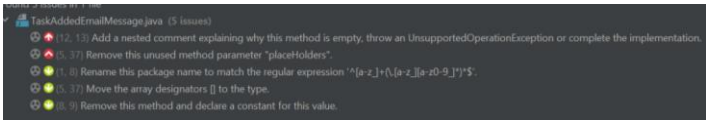
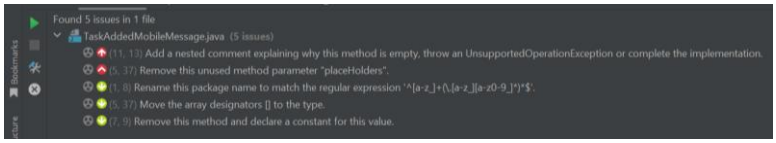
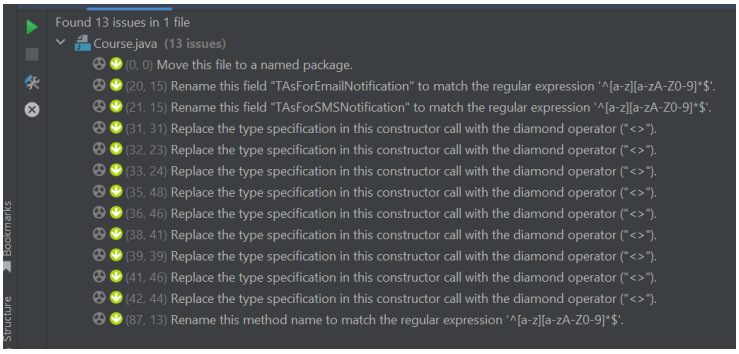
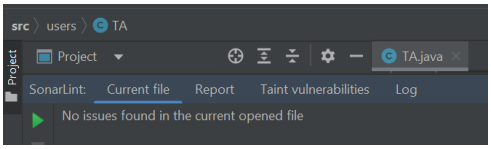
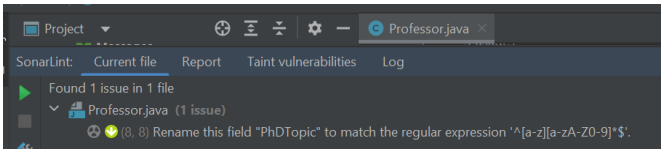
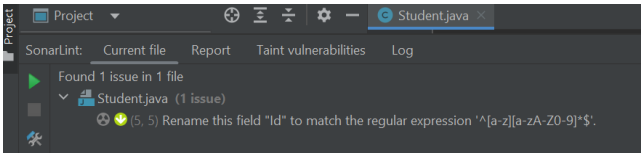
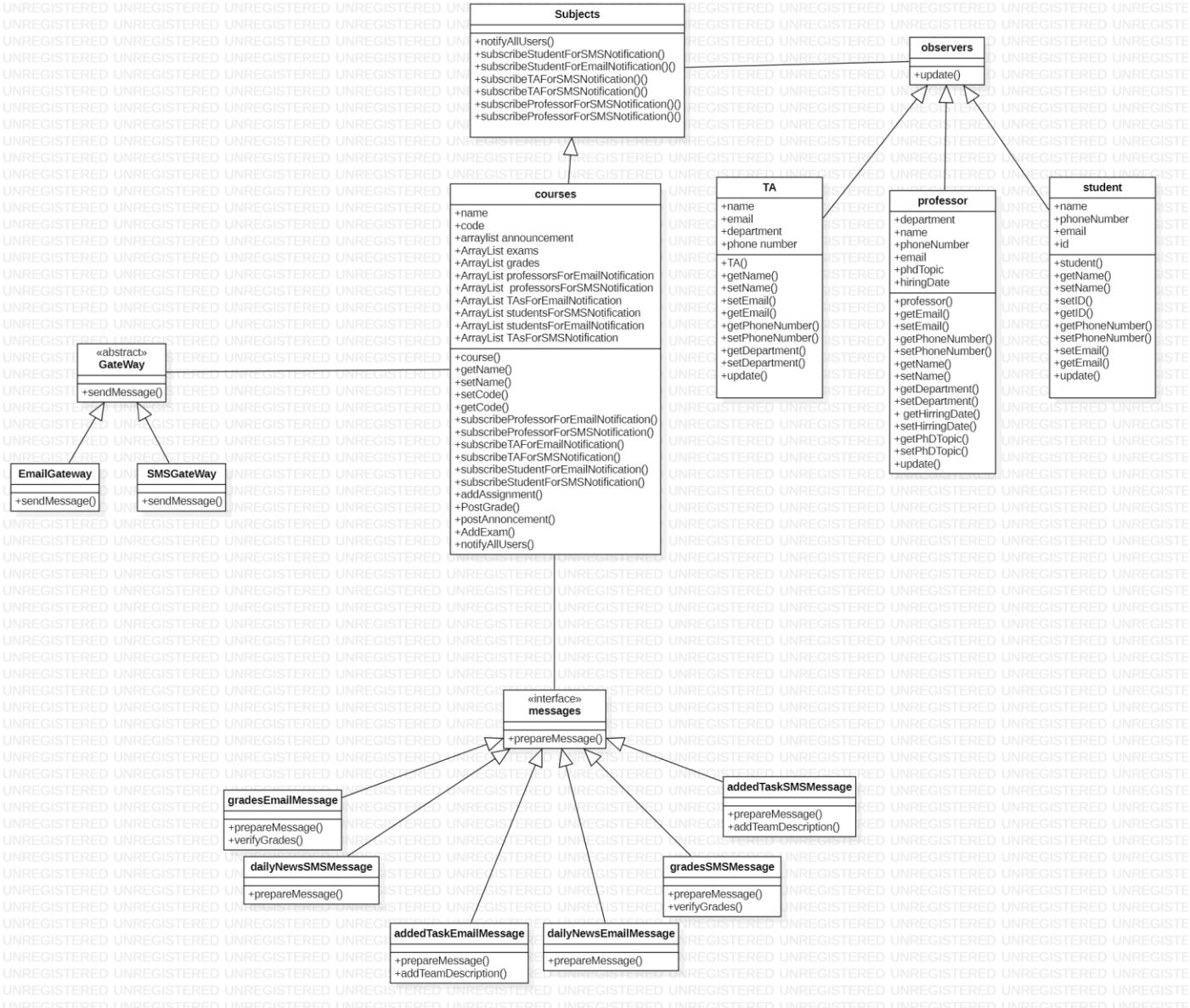
Class TaskAddedEmailMessage	
Class TaskAddedMobileMessage	
Class Course	
Class TA	
Class professors	
Class student	

2-Class Diagram after Refactoring:

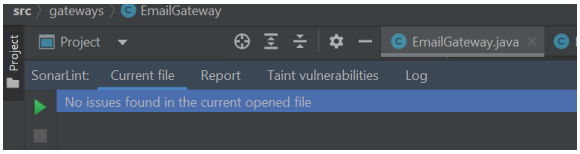
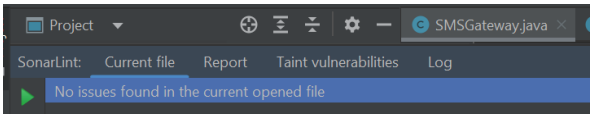
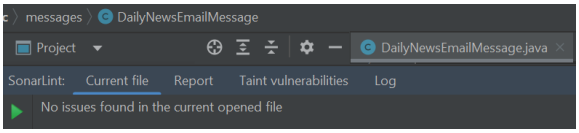
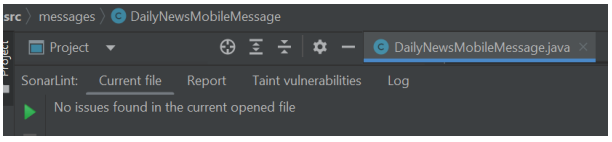
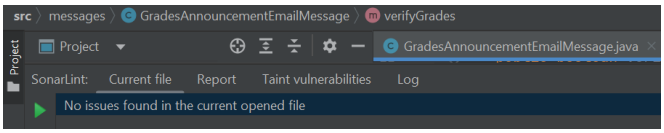
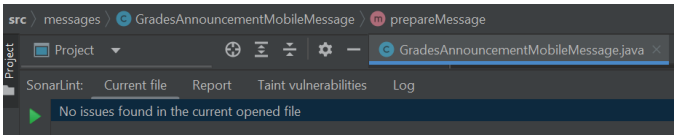
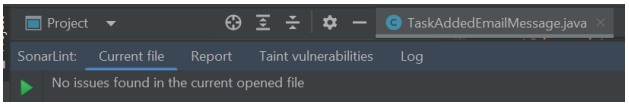
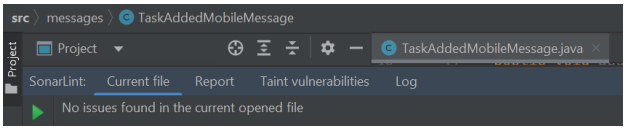
Design Patterns used:

1-observer pattern

2-strategy pattern



3-Static Analysis Report after refactoring:

Class	SonarQube analysis
Class EmailGateway	
Class SMSGateway	
Class DailyNewsEmailMessage	
Class DailyNewsMobileMessage	
Class Grade AnnouncementEmailMessage	
Class Grade AnnouncementMobileMessage	
Class TaskAddedEmailMessage	
Class TaskAddedMobileMessage	

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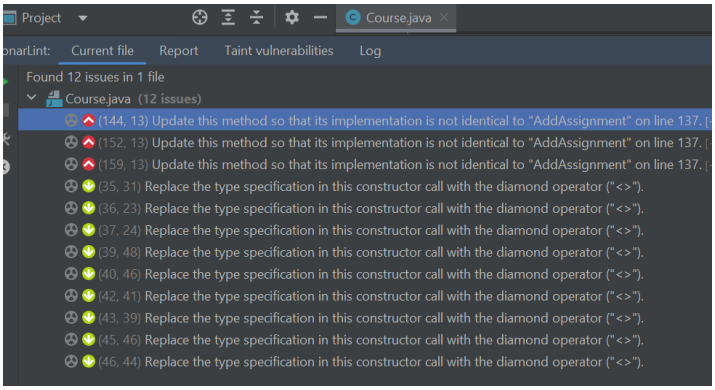
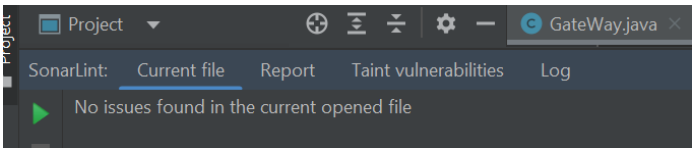
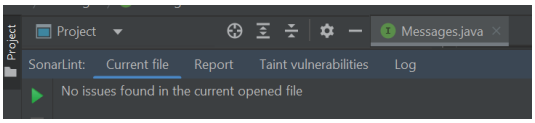
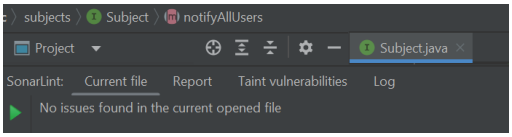
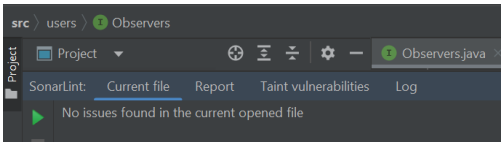
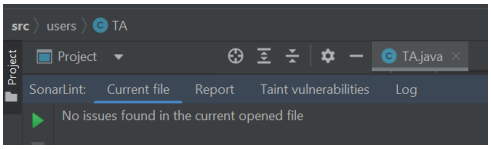
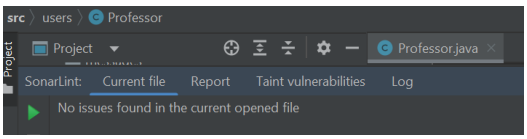
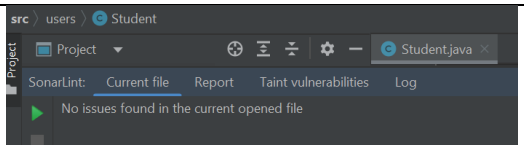
Class Course	
Class gateway	
Class messages	
Class subjects	
Class Observers	
Class Ta	
Class professor	
Class student	

4- GitHub Repository Link:

https://github.com/randarihany/notification

5-Trello Link:

https://trello.com/b/AF9Xuf5T/notification-project