

CS352 Software Engineering II

Software Testing Report

Chat Server

Waleed Ziad	(Team Leader)	20110417	CS G4
Ahmed Abdel Hammed		20110083	CS G3
Hady ElHady		20110398	CS G4

TA Mahmoud Khodeir

2014



Development Plan

Introduction

- This document describes the Unit Test Cases performed on the software developed during this project and its results and describes the different tests and their results.
- The audience for this document are the developers, people working on the project or supervising it.

Unit Test Cases and Results

Tested Method	public void setTitle(String title)
Tested Method Class	AbstractRoom
Testing Method	public void testSetTitle()
Testing Method Class	AbstractRoomTest
Test Case	Create AbstractRoom Instance Set title to "Test Title"
Result	Pass
Comments	Any changes in the title doesn't affect the test outcome

Tested Method	public String toString()
Tested Method Class	AbstractRoom
Testing Method	public void testToString()
Testing Method Class	AbstractRoomTest
Test Case	Create AbstractRoom Instance Set title to "Test Title" Set the instance title to the title Set ID to 5 Set the instance ID to the ID Create AbstractUser user Set user ID to 10 Set user name to "Admin" Add user to the instance users Set expected to "Title: " + Title + "ID: " + ID
Result	Pass
Comments	Any changes in the title or ID don't affect the test outcome

Tested Method	public String getTitle()
Tested Method Class	AbstractRoom
Testing Method	public void testGetTitle()
Testing Method Class	AbstractRoomTest
Test Case	Create AbstractRoom Instance



Development Plan

	Set title to "Test Title" Set the instance title to the title The expected title is that title
Result	Pass
Comments	Any changes in the title doesn't affect the test outcome

Tested Method	public void setDescription(String desc)
Tested Method Class	AbstractRoom
Testing Method	public void testSetDescription()
Testing Method Class	AbstractRoomTest
Test Case	Create AbstractRoom Instance Set Description to "Test Description"
Result	Pass
Comments	Any changes in the description doesn't affect the test outcome

Tested Method	public String getDescription()
Tested Method Class	AbstractRoom
Testing Method	public void testGetDescription()
Testing Method Class	AbstractRoomTest
Test Case	Create AbstractRoom Instance Set description to "Test Description" Set the instance description to the description The expected description is that description
Result	Pass
Comments	Any changes in the description doesn't affect the test outcome

Tested Method	public ArrayList<AbstractUser> getUsers()
Tested Method Class	AbstractRoom
Testing Method	public void testGetUsers()
Testing Method Class	AbstractRoomTest
Test Case	Create AbstractRoom Instance Create AbstractUser user Set user ID to 5 Set user name to "Admin" Add user to the instance users list Create a new ArrayList Add user to the ArrayList



Development Plan

	The expected result is that ArrayList
Result	Pass
Comments	Any changes in the name or ID of the user don't affect the outcome of the test

Tested Method	public void setID(int roomId)
Tested Method Class	AbstractRoom
Testing Method	public void testSetID()
Testing Method Class	AbstractRoomTest
Test Case	Set room ID to 5 Create AbstractRoom Instance
Result	Pass
Comments	Any change in the room ID doesn't affect the outcome of the test

Tested Method	public int getID()
Tested Method Class	AbstractRoom
Testing Method	public void testGetID()
Testing Method Class	AbstractRoomTest
Test Case	Create AbstractRoom Instance Set ID to 5 Set instance ID to that ID Expected result is ID
Result	Pass
Comments	Any change in the ID doesn't affect the outcome of the test

Tested Method	public void setSender(AbstractUser user)
Tested Method Class	ChatMessage
Testing Method	public void testSetSender()
Testing Method Class	ChatMessageTest
Test Case	Create AbstractUser user Create ChatMessage instance Set instance message to "Testing Hello"
Result	Pass
Comments	Any change in the message doesn't affect the outcome of the test

Tested Method	public AbstractUser getSender()
---------------	---------------------------------



CS352: Phase 3 – C (Dr. Mohammad El-Ramly)

Development Plan

Tested Method Class	ChatMessage
Testing Method	public void testGetSender()
Testing Method Class	ChatMessageTest
Test Case	Create ChatMessage instance Create AbstractUser user Set user name to "Admin" Set user ID to 1 Set instance sender to user The expected result is user
Result	Pass
Comments	Any changes in the user name or ID don't affect the outcome of the test

Tested Method	public void setMessage(String msg)
Tested Method Class	ChatMessage
Testing Method	public void testSetMessage()
Testing Method Class	ChatMessageTest
Test Case	Create message "Testing Hello" Create ChatMessage instance Set instance message to message
Result	Pass
Comments	Any change in the message doesn't affect the outcome of the test

Tested Method	public String getMessage()
Tested Method Class	ChatMessage
Testing Method	public void testGetMessage()
Testing Method Class	ChatMessageTest
Test Case	Create ChatMessage instance Create message "Testing Hello" Set instance message to message The expected result is the message
Result	Pass
Comments	Any change in the message doesn't affect the outcome of the test

Tested Method	public String toString()
Tested Method Class	ChatMessage
Testing Method	public void testToString()
Testing Method Class	ChatMessageTest



Development Plan

Test Case	Create ChatMessage instance Create message "Testing Hello" Set instance message to message Create AbstractUser user Set user name to "Admin" Set user ID to 1 Set instance sender to user The expected result is a statement containing the sender name and the message
Result	Pass
Comments	Any changes in the message, name or ID don't affect the outcome of the test

Ownership Report

Item	Owner
Test Cases 1 – 4	Ahmed AbdelHameed
Test Cases 5 – 8	Hady ElHady
Test Cases 9 – 13	Waleed Ziad