

Document History

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HanDIYcraft –Test Plan-1.7.docx	-Update Unit Testing -Update System Testing	Draft	13/10/14	Advisor	NK, PS
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Chapter One | Introduction

1.1 Objective

The main objective of this test plan document is to plan the testing process, which are unit and system testing in order to ensure that errors and defects are all detected and fixed.

1.2 Scope

This Test Plan Document will describe about the testing method, which are Unit testing and System testing. This testing is created in order to verify the system that it has met all of the user requirements.

1.3 Acronyms and Definitions

- Acronyms

PMP = Project Management Plan

SDD = Software Design Document

SRS = Software Requirement Specification

URS = User Requirement Specification

UC = Use Case

AD = Activity Diagram

UI = User Interface

UTC = Unit Test Case

STC = System Test Case

SW = Siraprapa Wattanakul

NK = Nahathai Kaewtatib

PS = Pimchanok Sripraphan

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- Definitions

Feature Transformation of input parameters to output parameters based on a specified algorithm. It describes the functionality of a produce in the language of the product. Used for requirements analysis, design, coding, testing or maintenance. [IEEE90]

Design The period of time in the software life cycle during which the designs for architecture, software component, interfaces and data are created, documented, and verified to satisfy requirements. [IEEE90]

IEEE Institute for Electrical and Electronics Engineers. Biggest global interest group for engineers of different branches and for computer scientists. [IEEE90]

Requirement (1) A condition or capability needed by a user to solve a problem or achieve an objective. (2) A condition or capability that must be met or processed by system or system component to satisfy a contract, standard, specification, or other formally imposed document. (3) A documented representation of a condition or capability as in definition (1) or (2). [IEEE90]

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Specification	Precise description of an activity or work product which serves as basis or input for further activities or work product. A specification can comprise requirements to a product and how they will be solved. Different parts of a specification (e.g. what is to be done, how it will be done) must not be mixed. [IEEE90]
White box testing	Testing process that focus on internal structure. The tester should know the code inside the program and test it through the code and determines the appropriate outputs.
Black box testing	Process, device or system that focus on input, output and transfer characteristics without knowledge about it internal structure.
Unit Testing	A level of the software testing process where individual units/components of a software/system are tested. The purpose is to validate that each unit of the performs as designed.
System testing	A level of the software testing process where a complete, integrated system/software is tested. The purpose of this test is to evaluate the system's compliance with the specified requirements.

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Chapter Two |

Test Plan and Test Procedure

2.1 Test Objectives

The objectives for HanDIYcraft testing process includes:

- 1) Detect all errors or defects.
- 2) Fix those errors or defects.
- 3) The system's performance meets all of the user requirements.
- 4) All functional requirements are covered

2.2 Scope

HanDIYcraft will be tested by white-box and black-box testing methods, which are unit and system testing, and the test result will be recorded in the test record.

2.3 Test Duration

Progress	Date and Duration
Progress Report I	Perform Date: 29 th June 2014 – 30 th June 2014 (Unit and System Test) Duration: 2 days
Progress Report II	Perform Date: 28 th August 2014 – 29 th August 2014 (Unit and System Test) Duration: 2 days
Progress Report III (Show Pro)	Perform Date: 30 th October 2014 – 31 st October 2014 (Unit and System Test) Duration: 2 days
Final Progress Report	Perform Date: 21 st November 2014 – 22 nd November 2014 (Unit and System Test) Duration: 2 days

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2.4 Test Responsibility

Item	Responsibility
Unit test of web application	PS
Unit test of android application	PS
Record unit test of web application	NK
Record unit test of android application	NK
System test of web application	PS
System test of android application	PS
Record system test of web application	NK
Record system test of android application	NK

2.5 Test Strategy

HanDIYcraft test strategy will be followed by:

- 1) Set up test cases for each feature.
- 2) Prepare test data for each feature.
- 3) Determine the expected result of each test case.
- 4) Perform the testing feature by feature.
- 5) Record the actual testing result.

2.6 Result of Testing

The result will be separated into two parts.

2.6.1 Actual result: It is the output that comes out from the real performance of the system, and will be performed according to the test cases.

2.6.2 Pass/Fail criteria:

Pass: when the actual result comes out as same as expected result.

Fail: when the actual result comes out differently from expected result.

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2.7 Test Environment

2.7.1 *Hardware*

- Computer Asus
- Smart phone with Android version 4.2 or later

2.7.2 *Software*

- Google Chrome version 35.0.1916.153
- Eclipse version 4.2.2 (32-bit)
- Android ADT version 20.0.3

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Chapter Three |

Unit Testing of HanDIYcraft Web Application

Web Unit Test Case 01 (W-UTC-01)

Class Name: Register

Method Name: register()

Test Data:

Username	Password	Re-Password	Email
Hideandseek05	12345	12345	hello@gmail.com

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information. <ul style="list-style-type: none"> Username without symbol and should not be over 500 characters. Password without symbol and should not be over 500 characters. Re-Password should match with the password. Email should be in email format. 	Username: Hideandseek05 Password: 12345 Re-Password: 12345 Email: hello@gmail.com	User's information has been saved into the database.

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2	Input username more than 20 characters.	Username: aaaaaaaaaaaaaaaaaaaaa Password: 12345 Re-Password: 12345 Email: hello@gmail.com	Unable to save the information in the database.
3	Input username with symbols.	Username: Hello!@#%\$% Password: 12345 Re-Password: 12345 Email: hello@gmail.com	Unable to save the information in the database.
4	Input the username that already exist in database.	Username: aaa Password: 12345 Re-Password: 12345 Email: hello@gmail.com	Unable to save the information in the database.
5	Input password more than 20 characters information.	Username: Hideandseek05 Password: aaaaaaaaaaaaaaaaaaaaa Re-Password: aaaaaaaaaaaaaaaaaaaaa Email: hello@gmail.com	Unable to save the information in the database.
6	Input password with symbols.	Username: Hideandseek05 Password: 12345!@#%\$% Re-Password: 12345!@#%\$% Email: hello@gmail.com	Unable to save the information in the database.
7	Input Re-Password that does not match with the password.	Username: Hideandseek05 Password: 12345 Re-Password: aaaaa Email: hello@gmail.com	Unable to save the information in the database.
8	Input wrong format of Email.	Username: Hideandseek05 Password: 12345 Re-Password: 12345 Email: aaaaa	Unable to save the information in the database.
9	Leave some fields blank	Username: Hideandseek05 Password: 12345 Re-Password: - Email: -	Unable to save the information in the database.

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Web Unit Test Case 02 (W-UTC-02)**Class Name:** CheckLogin**Method Name:** checkLogin()**Test Data:**

Username	Password
Hideandseek05	12345

Test Case:

ID	Description	Input	Expected Result
1	Input valid username and password. <ul style="list-style-type: none"> Username without symbol and should not be over 500 characters. Password without symbol and should not be over 500 characters. Username and Password should match with the one in database. 	Username: Hideandseek05 Password: 12345	System allows the user to access the system as a blogger.
2	Input invalid username or password.	Username: xxxxxx Password: xxxxxx	Unable to access into the system as a blogger.
3	Leave some fields blank	Username: - Password: 12345	Unable to access into the system as a blogger.

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Web Unit Test Case 03 (W-UTC-03)**Class Name:** ShowProfile**Method Name:** showProfile()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select profile link to make sure that the system can redirect to blogger's profile page.	http://rsproduct.dyndns.org/handycraft/showProfile.php	Display information of the user.

Web Unit Test Case 04 (W-UTC-04)**Class Name:** EditProfile**Method Name:** editProfile()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Input correct format information.	Email: kanom@msn.com	Update user's email in the database.
2	Input wrong format of Email.	Email: aaaaa	Unable to save the information in the database.
3	Leave some fields blank	Email: -	Unable to save the information in the database.
4	Input correct picture format.	"IMG_ProfilePic.jpg"	Update user's profile picture in the database.
5	Input wrong picture format.	"IMG_ProfilePic.pptx"	Unable to save the information in the database.

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Web Unit Test Case 05 (W-UTC-05)**Class Name:** EditPassword**Method Name:** editPassword()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Input correct format information.	Current password: 12345 New password: 00000 Re-New password: 0000	Update user's password in the database.
2	Input wrong current password.	Current password: 55555 New password: 00000 Re-New password: 0000	Unable to save the information in the database.
3	Input new password more than 20 characters.	Current password: 12345 New password: aaaaaaaaaaaaaaaaaaaaaa Re-New password: aaaaaaaaaaaaaaaaaaaaaa	Unable to save the information in the database.
4	Input new password with symbol.	Current password: 12345 New password: 00*00 Re-New password: 00*00	Unable to save the information in the database.
5	Input re-new password that does not match with the new password.	Current password: 12345 New password: 00000 Re-New password: 0011	Unable to save the information in the database.
6	Leave some fields blank	Current password: 12345 New password: 00000 Re-New password: -	Unable to save the information in the database.

Web Unit Test Case 06 (W-UTC-06)**Class Name:** DeleteAccount**Method Name:** deleteAccount()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Delete blogger's information from database	http://rsproduct.dyndns.org/handiycraft/deleteAccount.php	User's information is removed from database.

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Web Unit Test Case 07 (W-UTC-07)**Class Name:** TutorialRandom**Method Name:** tutorialRandom()**Test Data:** Data in Tutorial table**Test Case:**

ID	Description	Input	Expected Result
1	On the first run method should call the given url and return list of shops in ArrayList	http://rsproduct.dyndns.org/handiycraft/tutorialRandom.php	Display list of tutorials that exist in database in disorder.
2	On the second run, method should return different order of shop list comparing to the first run	http://rsproduct.dyndns.org/handiycraft/tutorialRandom.php	Display list of tutorials that exist in database in disorder and give different order comparing to the first run.

Web Unit Test Case 08 (W-UTC-08)**Class Name:** Random**Method Name:** random()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Get list of random tutorials.	http://rsproduct.dyndns.org/handiycraft/random.php	Display list of tutorials that exist in database in disorder.

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Web Unit Test Case 09 (W-UTC-09)**Class Name:** TutorialPopular**Method Name:** tutorialPopular()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Shows list of most liked tutorials.	http://rsproduct.dyndns.org/handycraft/tutorialPopular.php	Display list of shops that exist in database in from most to least liked.

Web Unit Test Case 10 (W-UTC-10)**Class Name:** Popular**Method Name:** popular()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Get list of most liked tutorials.	http://rsproduct.dyndns.org/handycraft/popular.php	Display list of shops that exist in database in from most to least liked.

Web Unit Test Case 11 (W-UTC-11)**Class Name:** TutorialCategoriesList**Method Name:** tutorialCategoriesList()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Shows list of tutorial categories, which are outfit, accessory, gift, kid, garden, home décor, pet, and other.	http://rsproduct.dyndns.org/handycraft/tutorialCategoriesList.php	Display list of tutorial categories that exist in database.

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Web Unit Test Case 12 (W-UTC-12)**Class Name:** TutorialCategory**Method Name:** tutorialCategory**Test Case**

ID	Description	Input	Expected Result
1	Select “Outfit” link to make sure that the system can show tutorials from outfit category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Outfit.php	Display list of tutorials that are in Outfit category that exist in database.
2	Select “Accessory” link to make sure that the system can show tutorials from accessory category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Accessory.php	Display list of tutorials that are in Accessory category that exist in database.
3	Select “Gift” link to make sure that the system can show tutorials from gift category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Gift.php	Display list of tutorials that are in Gift category that exist in database.
4	Select “Kid” link to make sure that the system can show tutorials from kid category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Kid.php	Display list of tutorials that are in Kid category that exist in database.
5	Select “Garden” link to make sure that the system can show tutorials from garden category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Garden.php	Display list of tutorials that are in Garden category that exist in database.
6	Select “Home Decor” link to make sure that the system can show tutorials from home decor category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/HomeDecor.php	Display list of tutorials that are in Home Decor category that exist in database.
7	Select “Pet” link to make sure that the system can show tutorials from pet category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Pet.php	Display list of tutorials that are in Pet category that exist in database.
8	Select “Other” link to make sure that the system can show tutorials from other category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Other.php	Display list of tutorials that are in Other category that exist in database.

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Web Unit Test Case 13 (W-UTC-13)**Class Name:** TutorialSearch**Method Name:** tutorialSearch()**Test Data:**

Keyword
Bracelet

Test Case:

ID	Description	Input	Expected Result
1	Shows list of tutorials that contain the searched keyword.	Keyword "Bracelet"	Display list of tutorials that related to the searched keyword.
2	No tutorial for the keyword.	Keyword "zzzzz"	Unable to show any result.

Web Unit Test Case 14 (W-UTC-14)**Class Name:** Search**Method Name:** search()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Get tutorials that contain the searched keyword.	http://rsproduct.dyndns.org/handycraft/search.php	Display list of tutorials that related to the searched keyword.

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Web Unit Test Case 15 (W-UTC-15)**Class Name:** TutorialFollow**Method Name:** tutorialFollow()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Shows list of tutorials from following bloggers.	http://rsproduct.dyndns.org/handycraft/tutorialFollow.php	Display list of tutorials from following bloggers.

Web Unit Test Case 16 (W-UTC-16)**Class Name:** Follow**Method Name:** follow()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Get tutorials from the following bloggers	http://rsproduct.dyndns.org/handycraft/follow.php	Display list of tutorials from following bloggers.

Web Unit Test Case 17 (W-UTC-17)**Class Name:** TutorialManagement**Method Name:** showInformation()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select tutorial link to make sure that the system can redirect to tutorial detail page.	http://rsproduct.dyndns.org/handycraft/showInformation.php	Display the selected tutorial's information.

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Web Unit Test Case 18 (W-UTC-18)**Class Name:** TutorialManagement**Method Name:** addInformation()**Test Data:**

Tutorial picture	Title	Category	Material picture	Material description	Video
IMG_tutorial.jpg	Handmade Bracelet	Accessory	IMG_material.jpg	1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin	VDO_tutorial.mov

Step	Step picture	Step description
1	IMG_step1.jpg	Cut the rope to have the length as long as it can be out around your wrist.

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information Input correct format information <ul style="list-style-type: none"> Tutorial picture should be in .png/.jpg file. Title should not be over 20 characters. Provided category must be selected. Material picture should be in .png/.jpg file. Material description should not be over 500 characters. Step should be number 1-10 Step picture should be in .png/.jpg file. Step description 	Tutorial picture: "IMG_tutorial.jpg" Title: "Handmade Bracelet" Category: "Accessory" Material picture: "IMG_material.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin" Step: "1" Step1 picture: "IMG_step1.jpg" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Video: "VDO_tutorial.mov"	Add new tutorial in the database.

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	<p>should not be over 500 characters.</p> <ul style="list-style-type: none"> • Video should be in .mov file. 		
2	Input wrong picture format	<p>Tutorial picture: “IMG_tutorial.pptx” Title: “Handmade Bracelet” Category: “Accessory” Material picture: “IMG_material.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin” Step: “1” Step1 picture: “IMG_step1.pptx” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Video: “VDO_tutorial.mov”</p>	Unable to save the information in the database.
3	Input title more than 20 characters	<p>Tutorial picture: “IMG_tutorial.jpg” Title: “Handmade Bracelet xxxxx” Category: “Accessory” Material picture: “IMG_material.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin” Step: “1” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Video: “VDO_tutorial.mov”</p>	Unable to save the information in the database.

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		Video: "VDO_tutorial.mov"	
6	Input step more than 10	Tutorial picture: "IMG_tutorial.jpg" Title: "Handmade Bracelet" Category: "Accessory" Material picture: "IMG_material.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin" Step: "15" Step1 picture: "IMG_step1.jpg" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Video: "VDO_tutorial.mov"	Unable to save the information in the database.
7	Leave step blank	Tutorial picture: "IMG_tutorial.jpg" Title: "Handmade Bracelet" Category: "Accessory" Material picture: "IMG_material.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin" Step: - Step1 picture: "IMG_step1.jpg" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Video: "VDO_tutorial.mov"	Unable to save the information in the database.
8	Input wrong video format	Tutorial picture: "IMG_tutorial.jpg" Title: "Handmade Bracelet" Category: "Accessory" Material picture: "IMG_material.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin" Step: "1" Step1 picture: "IMG_step1.jpg" Step1 description: "Cut the rope to have the length as long as it can	Unable to save the information in the database.

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		be out around your wrist.” Video: “VDO_tutorial.m4a”	
9	Leave some fields blank	Tutorial picture: “IMG_tutorial.jpg” Title: - Category: “Accessory” Material picture: - Material description: - Step: “1” Step1 picture: “IMG_step1.jpg” Step1 description: - Video: “VDO_tutorial.mov”	Unable to save the information in the database.

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Web Unit Test Case 19 (W-UTC-19)**Class Name:** TutorialManagement**Method Name:** updateInformation()**Test Data:**

Tutorial picture	Title	Category	Material picture	Material description	Video
IMG_tutorial2.jpg	DIY Bracelet	Outfit	IMG_material2.jpg	1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color	VDO_tutorial.mov

Step	Step picture	Step description
1	IMG_step1.jpg	Cut the rope to have the length as long as it can be out around your wrist.
2	IMG_step2.jpg	Now it's time to decorate!

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> Tutorial picture should be in .png/.jpg file. Title should not be over 20 characters. Provided category must be selected. Material picture should be in .png/.jpg file. Material description should not be over 500 characters. 	Tutorial picture: "IMG_tutorial2.jpg" Title: "DIY Bracelet" Category: "Outfit" Material picture: "IMG_material2.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color" Step: "2" Step1 picture: "IMG_step1.jpg" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Step2 picture: "IMG_step2.jpg" Step2 description: "Now it's time to decorate!" Video: "VDO_tutorial.mov"	Update tutorial information in the database.

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	<ul style="list-style-type: none"> • Step should be number 1-10 • Step picture should be in .png/.jpg file. • Step description should not be over 500 characters. • Video should be in .mov file. 		
2	Input wrong picture format	Tutorial picture: "IMG_tutorial2.pptx" Title: "DIY Bracelet" Category: "Outfit" Material picture: "IMG_material2.pptx" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color" Step: "2" Step1 picture: "IMG_step1.pptx" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Step2 picture: "IMG_step2.pptx" Step2 description: "Now it's time to decorate!" Video: "VDO tutorial.mov"	Unable to save the information in the database.
3	Input title more than 20 characters	Tutorial picture: "IMG_tutorial2.jpg" Title: "DIY Bracelet xxxxxxxxxxxxxxxx" Category: "Outfit" Material picture: "IMG_material2.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color" Step: "2" Step1 picture: "IMG_step1.jpg"	Unable to save the information in the database.

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		Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Step2 picture: “IMG_step2.jpg” Step2 description: “Now it’s time to decorate!” Video: “VDO_tutorial.mov”	
4	Leave category blank	Tutorial picture: “IMG_tutorial2.jpg” Title: “DIY Bracelet” Category: - Material picture: “IMG_material2.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color” Step: “2” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Step2 picture: “IMG_step2.jpg” Step2 description: “Now it’s time to decorate!” Video: “VDO_tutorial.mov”	Unable to save the information in the database.
5	Input description more than 500 characters	Tutorial picture: “IMG_tutorial2.jpg” Title: “DIY Bracelet” Category: “Outfit” Material picture: “IMG_material2.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color” Step: “2” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Step2 picture: “IMG_step2.jpg” Step2 description: “aaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	Unable to save the information in the database.

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		6.Color” Step: - Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Step2 picture: “IMG_step2.jpg” Step2 description: “Now it’s time to decorate!” Video: “VDO_tutorial.mov”	
8	Input wrong video format	Tutorial picture: “IMG_tutorial2.jpg” Title: “DIY Bracelet” Category: “Outfit” Material picture: “IMG_material2.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color” Step: “2” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Step2 picture: “IMG_step2.jpg” Step2 description: “Now it’s time to decorate!” Video: “VDO_tutorial.m4a”	Unable to save the information in the database.
9	Leave some fields blank	Tutorial picture: “IMG_tutorial2.jpg” Title: - Category: “Outfit” Material picture: - Material description: - Step: “2” Step1 picture: “IMG_step1.jpg” Step1 description: - Step2 picture: “IMG_step2.jpg” Step2 description: “Now it’s time to decorate!” Video: “VDO_tutorial.mov”	Unable to save the information in the database.

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Web Unit Test Case 20 (W-UTC-20)**Class Name:** TutorialManagement**Method Name:** deleteInformation()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Delete the tutorial from database	http://rsproduct.dyndns.org/handiycraft/deleteInformation.php	User's tutorial is removed from database.

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Chapter Four |

Unit Testing of HanDIYcraft

Android Application

Mobile Unit Test Case 01 (M-UTC-01)

Class Name: LoginActivity

Method: login()

Test Data:

Username	Password
Hideandseek05	12345

Test Case:

ID	Description	Input	Expected Result
1	Input valid username and password. <ul style="list-style-type: none"> Username without symbol and should not be over 500 characters. Password without symbol and should not be over 500 characters. Username and Password should match with the one in database. 	Username: Hideandseek05 Password: 12345	System allows the user to access as a blogger or shopkeeper.
2	Input invalid username or password.	Username: xxxxxx Password: xxxxxx	Unable to access into the system.
3	Leave some fields blank	Username: - Password: 12345	Unable to access into the system.

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Mobile Unit Test Case 02 (M-UTC-02)**Class Name:** RegisterActivity**Method:** addData()**Test Data:**

Username	Password	Re-Password	Email	Role
Hideandseek05	12345	12345	hello@gmail.com	Blogger

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information and register as a blogger. Input correct format information. <ul style="list-style-type: none"> Username without symbol and should not be over 500 characters. Password without symbol and should not be over 500 characters. Re-Password should match with the password. Email should be in email format. Role must be either Blogger or Shopkeeper. 	Username: Hideandseek05 Password: 12345 Re-Password: 12345 Email: hello@gmail.com Role: Blogger	User's information has been saved into the database.
2	Input correct format information and register as a shopkeeper. <ul style="list-style-type: none"> Username without symbol and should not be over 500 characters. Password without symbol and should not be over 500 characters. Re-Password should 	Username: Hideandseek05 Password: 12345 Re-Password: 12345 Email: hello@gmail.com Role: Shopkeeper	Unable to save the information in the database.

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	match with the password. <ul style="list-style-type: none"> Email should be in email format. Role must be either Blogger or Shopkeeper. 		
3	Input username more than 20 characters.	Username: aaaaaaaaaaaaaaaaaaaaaa Password: 12345 Re-Password: 12345 Email: hello@gmail.com Role: Blogger	Unable to save the information in the database.
4	Input username with symbols.	Username: Hello!@#\$\$% Password: 12345 Re-Password: 12345 Email: hello@gmail.com Role: Blogger	Unable to save the information in the database.
5	Input the username that already exist in database.	Username: aaa Password: 12345 Re-Password: 12345 Email: hello@gmail.com Role: Blogger	Unable to save the information in the database.
6	Input password more than 20 characters information.	Username: Hideandseek05 Password: aaaaaaaaaaaaaaaaaaaaaa Re-Password: aaaaaaaaaaaaaaaaaaaaaa Email: hello@gmail.com Role: Blogger	Unable to save the information in the database.
7	Input password with symbols.	Username: Hideandseek05 Password: 12345!@#\$\$% Re-Password: 12345!@#\$\$% Email: hello@gmail.com Role: Blogger	Unable to save the information in the database.
8	Input Re-Password that does not match with the password.	Username: Hideandseek05 Password: 12345 Re-Password: aaaaa Email: hello@gmail.com Role: Blogger	Unable to save the information in the database.
9	Input wrong format of Email.	Username: Hideandseek05 Password: 12345 Re-Password: 12345	Unable to save the information in the database.

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		Email: aaaaa Role: Blogger	
10	Leave some fields blank	Username: Hideandseek05 Password: 12345 Re-Password: 12345 Email: - Role: -	Unable to save the information in the database.

Mobile Unit Test Case 03 (M-UTC-03)**Class Name:** RegisterActivity**Method:** uploadFile()**Test Data:**

Profile picture
IMG_ProfilePic.jpg

Test Case:

ID	Description	Input	Expected Result
1	Input correct profile picture format. <ul style="list-style-type: none"> Profile picture should be .png/.jpg file. 	Profile Picture: IMG_ProfilePic.jpg	Add user's profile picture in the database.
2	Input wrong profile picture format.	Profile Picture: IMG_ProfilePic.txt	Unable to save the information in the database.

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Mobile Unit Test Case 04 (M-UTC-04)**Class Name:** ViewBloggerProfileDetail**Method:** showInfo()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select profile link to make sure that the system can redirect to blogger's profile page.	http://rsproduct.dyndns.org/hand iycraft/showInfo.php	Display information of the selected blogger.

Mobile Unit Test Case 05 (M-UTC-05)**Class Name:** ProfileManagementActivity**Method:** updateData()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Input correct format information.	Email: kanom@msn.com	Update user's email in the database.
2	Input wrong format of Email.	Email: aaaaa	Unable to save the information in the database.
3	Leave some fields blank	Email: -	Unable to save the information in the database.
4	Input correct picture format.	"IMG_ProfilePic2.jpg"	Update user's profile picture in the database.
5	Input wrong picture format.	"IMG_ProfilePic2.pptx"	Unable to save the information in the database.

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Mobile Unit Test Case 06 (M-UTC-06)**Class Name:** ProfileManagementActivity**Method:** delete()**Test Data:**

Profile Picture	Username	Password	Re-Password	Email	Role
IMG_ProfilePic.jpg	Hideandseek05	12345	12345	hello@gmail.com	Blogger
IMG_SProfilePic.jpg	Shop01	55555	55555	shop@gmail.com	Shopkeeper

Test Case:

ID	Description	Input	Expected Result
1	Delete the user account from database	http://rsproduct.dyndns.org/handiycraft/delete.php	User's information has been removed from the database.

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Mobile Unit Test Case 07 (M-UTC-07)**Class Name:** updateData()**Method:** onCreate(savedInstanceState : Bundle)**Test Data:**

Current Password	New Password	Re-New Password
12345	00000	00000

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information.	Current password: 12345 New password: 00000 Re-New password: 0000	Update user's password in the database.
2	Input wrong current password.	Current password: 55555 New password: 00000 Re-New password: 0000	Unable to save the information in the database.
3	Input new password more than 20 characters.	Current password: 12345 New password: aaaaaaaaaaaaaaaaaaaaaa Re-New password: aaaaaaaaaaaaaaaaaaaaaa	Unable to save the information in the database.
4	Input new password with symbol.	Current password: 12345 New password: 00*00 Re-New password: 00*00	Unable to save the information in the database.
5	Input re-new password that does not match with the new password.	Current password: 12345 New password: 00000 Re-New password: 0011	Unable to save the information in the database.
6	Leave some fields blank	Current password: 12345 New password: 00000 Re-New password: -	Unable to save the information in the database.

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Mobile Unit Test Case 08 (M-UTC-08)**Class Name:** CreateTutorial**Method:** addData()**Test Data:**

Title	Category
Handmade Bracelet	Accessory

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> Title should not be over 20 characters. Provided category must be selected. 	Title: "Handmade Bracelet" Category: "Accessory"	Update tutorial information in the database.
2	Input title more than 20 characters	Title: "Handmade Bracelet xxxxx" Category: "Accessory"	Unable to save the information in the database.
3	Leave category blank	Title: "Handmade Bracelet" Category: -	Unable to save the information in the database.
4	Leave some fields blank	Title: - Category: "Accessory"	Unable to save the information in the database.

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Mobile Unit Test Case 09 (M-UTC-09)**Class Name:** CreateTutorial**Method:** uploadFile()**Test Data:**

Tutorial picture
IMG_tutorial.jpg

Test Case:

ID	Description	Input	Expected Result
1	Input correct picture format <ul style="list-style-type: none"> Tutorial picture should be in .png/.jpg file. 	Tutorial picture: “IMG_tutorial.jpg”	Update tutorial information in the database.
2	Input wrong picture format	Tutorial picture: “IMG_tutorial.pttx”	Unable to save the information in the database.

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Mobile Unit Test Case 10 (M-UTC-10)

Class Name: CreateMaterial

Method: addData()

Test Data:

Material description
1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> Material description should not be over 500 characters. 	Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin”	Update tutorial information in the database.
2	Input description more than 500 characters	Material description: “aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa”	Unable to save the information in the database.
3	Leave blank	Material description: -	Unable to save the information in the database.

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Mobile Unit Test Case 11 (M-UTC-11)**Class Name:** CreateMaterial**Method:** uploadFile()**Test Data:**

Material picture
IMG_material.jpg

Test Case:

ID	Description	Input	Expected Result
1	Input correct picture format <ul style="list-style-type: none"> Material picture should be in .png/.jpg file. 	Material picture: "IMG_material.jpg"	Update tutorial information in the database.
2	Input wrong picture format	Material picture: "IMG_material.pttx"	Unable to save the information in the database.

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3	Leave blank	Step1 description: -	Unable to save the information in the database.
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Mobile Unit Test Case 13 (M-UTC-13)**Class Name:** CreateStep**Method:** uploadFile()**Test Data:**

Step1 picture
IMG_step1.jpg

Test Case:

ID	Description	Input	Expected Result
1	Input correct picture format <ul style="list-style-type: none"> Step picture should be in .png/.jpg file. 	Step1 picture: "IMG_step1.jpg"	New tutorial information added in the database.
2	Input wrong picture format	Step1 picture: "IMG_step1.pttx"	Unable to save the information in the database.

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Mobile Unit Test Case 14 (M-UTC-14)**Class Name:** CreateStepList**Method:** addData()**Test Data:**

Step Number
1

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> Step number should be between 1-6. 	http://rsproduct.dyndns.org/handycraft/addData.php	New tutorial information added in the database.

Mobile Unit Test Case 15 (M-UTC-15)**Class Name:** CreateStepList**Method:** uploadVdo()**Test Data:**

Video
VDO_tutorial.mov

Test Case:

ID	Description	Input	Expected Result
1	Input correct video format <ul style="list-style-type: none"> Video should be in .mov file. 	Video: "VDO_tutorial.mov"	New tutorial information added in the database.

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2	Input wrong video format	Video: "VDO_tutorial.m4a"	Unable to save the information in the database.
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Mobile Unit Test Case 16 (M-UTC-16)

Class Name: ManageTutorial

Method: addData()

Test Data:

Title	Category
DIY Bracelet	Outfit

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> Title should not be over 20 characters. Provided category must be selected. 	Title: "DIY Bracelet" Category: "Outfit"	Update tutorial information in the database.
2	Input title more than 20 characters	Title: "DIY Bracelet xxxxx" Category: "Outfit"	Unable to save the information in the database.
3	Leave category blank	Title: "DIY Bracelet" Category: -	Unable to save the information in the database.
4	Leave some fields blank	Title: - Category: "Outfit"	Unable to save the information in the database.

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Mobile Unit Test Case 17 (M-UTC-17)**Class Name:** ManageTutorial**Method:** uploadFile()**Test Data:**

Tutorial picture
IMG_tutorial2.jpg

Test Case:

ID	Description	Input	Expected Result
1	Input correct picture format <ul style="list-style-type: none"> Tutorial picture should be in .png/.jpg file. 	Tutorial picture: “IMG_tutorial2.jpg”	Update tutorial information in the database.
2	Input wrong picture format	Tutorial picture: “IMG_tutorial2.pttx”	Unable to save the information in the database.

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Mobile Unit Test Case 18 (M-UTC-18)

Class Name: ManageMaterial

Method: addData()

Test Data:

Material description
1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color

Test Case:

[illegible]

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3	Leave blank	Material description: -	Unable to save the information in the database.
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Mobile Unit Test Case 19 (M-UTC-19)**Class Name:** ManageMaterial**Method:** uploadFile()**Test Data:**

Material picture
IMG_material.jpg

Test Case:

ID	Description	Input	Expected Result
1	Input correct picture format <ul style="list-style-type: none"> Material picture should be in .png/.jpg file. 	Material picture: "IMG_material2.jpg"	Update tutorial information in the database.
2	Input wrong picture format	Material picture: "IMG_material2.pttx"	Unable to save the information in the database.

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		<p>aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaa”</p> <p>Step2 description: “aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaa”</p>	
3	Leave blank	<p>Step1 description: - Step2 description: -</p>	Unable to save the information in the database.

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Mobile Unit Test Case 21 (M-UTC-21)**Class Name:** ManageStep**Method:** uploadFile()**Test Data:**

Step1 picture	Step2 picture
IMG_step1.jpg	IMG_step2.jpg

Test Case:

ID	Description	Input	Expected Result
1	Input correct picture format <ul style="list-style-type: none"> Step picture should be in .png/.jpg file. 	Step1 picture: "IMG_step1.jpg" Step2 picture: "IMG_step2.jpg"	Update tutorial information in the database.
2	Input wrong picture format	Step1 picture: "IMG_step1.pttx" Step2 picture: "IMG_step2.pttx"	Unable to save the information in the database.

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Mobile Unit Test Case 22 (M-UTC-22)**Class Name:** ManageStepList**Method:** addData()**Test Data:**

Step Number
2

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> Step number should be between 1-6. 	http://rsproduct.dyndns.org/handiyeraft/addData.php	Update tutorial information in the database.

Mobile Unit Test Case 23 (M-UTC-23)**Class Name:** ManageStepList**Method:** uploadVdo()**Test Data:**

Video
VDO_tutorial2.mov

Test Case:

ID	Description	Input	Expected Result
1	Input correct video format <ul style="list-style-type: none"> Video should be in .mov file. 	Video: "VDO_tutorial2.mov"	Update tutorial information in the database.

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2	Input wrong video format	Video: "VDO_tutorial2.m4a"	Unable to save the information in the database.
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Mobile Unit Test Case 24 (M-UTC-24)**Class Name:** TutorialRandomActivity**Method:** random()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Get random tutorials from database	http://rsproduct.dyndns.org/handycraft/random.php	Display list of tutorials that exist in database in disorder.

Mobile Unit Test Case 25 (M-UTC-25)**Class Name:** TutorialRandomActivity**Method:** TutorialListView()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Shows list of random tutorials.	http://rsproduct.dyndns.org/handycraft/TutorialListView.php	Display list of tutorials that exist in database in disorder.

Mobile Unit Test Case 26 (M-UTC-26)**Class Name:** TutorialPopularActivity**Method:** popular()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Get most liked tutorials from database	http://rsproduct.dyndns.org/handycraft/popular.php	Display list of tutorials that exist in database from most to least liked.

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Mobile Unit Test Case 27 (M-UTC-27)**Class Name:** TutorialPopularActivity**Method:** TutorialListView()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Shows list of most liked tutorials.	http://rsproduct.dyndns.org/handycraft/TutorialListView.php	Display list of tutorials that exist in database from most to least liked.

Mobile Unit Test Case 28 (M-UTC-28)**Class Name:** TutorialCategoryActivity**Method:** category()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Get categories list from database	http://rsproduct.dyndns.org/handycraft/category.php	Display list of tutorial categories that exist in database.

Mobile Unit Test Case 29 (M-UTC-29)**Class Name:** TutorialCategoryActivity**Method:** TutorialListView()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select "Outfit" link to make sure that the system can show tutorials from outfit category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Outfit.php	Display list of tutorials that are in Outfit category that exist in database.
2	Select "Accessory" link to make sure that the system can show tutorials from accessory category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Accessory.php	Display list of tutorials that are in Accessory category that exist in database.

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3	Select “Gift” link to make sure that the system can show tutorials from gift category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Gift.php	Display list of tutorials that are in Gift category that exist in database.
4	Select “Kid” link to make sure that the system can show tutorials from kid category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Kid.php	Display list of tutorials that are in Kid category that exist in database.
5	Select “Garden” link to make sure that the system can show tutorials from garden category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Garden.php	Display list of tutorials that are in Garden category that exist in database.
6	Select “Home Decor” link to make sure that the system can show tutorials from home decor category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/HomeDecor.php	Display list of tutorials that are in Home Decor category that exist in database.
7	Select “Pet” link to make sure that the system can show tutorials from pet category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Pet.php	Display list of tutorials that are in Pet category that exist in database.
8	Select “Other” link to make sure that the system can show tutorials from other category.	http://rsproduct.dyndns.org/handycraft/tutorialCategory/Other.php	Display list of tutorials that are in Other category that exist in database.

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Mobile Unit Test Case 30 (M-UTC-30)**Class Name:** TutorialCategoriesList**Method:** categoryList()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Get categories information from database	http://rsproduct.dyndns.org/handycraft/categoryList.php	Display list of tutorials of the selected category that exist in database.

Mobile Unit Test Case 31 (M-UTC-31)**Class Name:** TutorialCategoriesList**Method:** CategoryListView()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Shows list of tutorial categories.	http://rsproduct.dyndns.org/handycraft/CategoryListView.php	Display list of tutorials of the selected category that exist in database.

Mobile Unit Test Case 32 (M-UTC-32)**Class Name:** TutorialFollowActivity**Method:** onCreate(savedInstanceState : Bundle)**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Shows the explore following tutorial by visitor user interface	http://rsproduct.dyndns.org/handycraft/OnCreate.php	Display list of tutorials that exist in database from the following bloggers.

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Mobile Unit Test Case 33 (M-UTC-33)**Class Name:** TutorialFollowActivity**Method:** follow()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Shows list of tutorials from following bloggers.	http://rsproduct.dyndns.org/handycraft/TutorialListView.php	Display list of tutorials that exist in database from the following bloggers.

Mobile Unit Test Case 34 (M-UTC-34)**Class Name:** TutorialFollowActivity**Method:** TutorialListView()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Get tutorials of following bloggers from database	http://rsproduct.dyndns.org/handycraft/follow.php	Display list of tutorials that exist in database from the following bloggers.

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Mobile Unit Test Case 35 (M-UTC-35)**Class Name:** TutorialSearchActivity**Method:** search()**Test Data:**

Keyword
Bracelet

Test Case:

ID	Description	Input	Expected Result
1	Get tutorials that has the searched keyword from database	Keyword: "Bracelet"	Display list of tutorials that related to the searched keyword.
2	No tutorial for the keyword.	Keyword: "zzzzz"	Unable to show any result.

Mobile Unit Test Case 36 (M-UTC-36)**Class Name:** TutorialSearchActivity**Method:** TutorialListView()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Shows list of tutorials that contains the searched keyword.	Keyword: "Bracelet"	Display list of tutorials that related to the searched keyword.
2	No tutorial for the keyword.	Keyword: "zzzzz"	Unable to show any result.

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Mobile Unit Test Case 37 (M-UTC-37)**Class Name:** ViewTutorialDetail**Method:** showInfo()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select tutorial link to make sure that the system can redirect to tutorial detail page.	http://rsproduct.dyndns.org/handycraft/showInfo.php	Display information of the tutorial.

Mobile Unit Test Case 38 (M-UTC-38)**Class Name:** ViewShopkeeperProfileDetail**Method:** showInfo()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select profile link to make sure that the system can redirect to shopkeeper's profile page.	http://rsproduct.dyndns.org/handycraft/showInfo.php	Display information of the shopkeeper.

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Mobile Unit Test Case 39 (M-UTC-39)**Class Name:** CreateShop**Method:** addData()**Test Data:**

Shop name	Category
ABC shop	Stationary

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> Shop name should not be over 20 characters. Provided category must be selected. 	Shop name: "ABC shop" Category: "Stationary"	New shop information added in the database.
2	Input shop name more than 20 characters	Shop name: "ABC shop xxxxxxxxxxxxxxxx" Category: "Stationary"	Unable to save the information in the database.
3	Leave category blank	Shop name: "ABC shop" Category: -	Unable to save the information in the database.
4	Leave some fields blank	Shop name: - Category: "Stationary"	Unable to save the information in the database.

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Mobile Unit Test Case 40 (M-UTC-40)**Class Name:** CreateShop**Method:** uploadFile()**Test Data:**

Shoppicture
IMG_shop.jpg

Test Case:

ID	Description	Input	Expected Result
1	Input correct picture format <ul style="list-style-type: none"> Shop picture should be in .png/.jpg file. 	Shop picture: “IMG_shop.jpg”	New shop information added in the database.
2	Input wrong picture format	Shop picture: “IMG_shop.pttx”	Unable to save the information in the database.

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Mobile Unit Test Case 41 (M-UTC-41)**Class Name:** CreateShopDetail**Method:** addData()**Test Data:**

Branch	Telephone Number	Information
Chiang mai	053111222	Welcome to ABC shop! We sale stationaries.

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> Branch should not be over 20 characters. Telephone number should be in 10 digits number Information should not be over 500 characters. 	Branch: "Chiang mai" Telephone Number: "053111222" Information: "Welcome to ABC shop! We sale stationaries."	New shop information added in the database.
2	Input branch more than 20 characters	Branch: "Chiang mai xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx" Telephone Number: "053111222" Information: "Welcome to ABC shop! We sale stationaries."	Unable to save the information in the database.
3	Input telephone number more than 10 digits.	Branch: "Chiang mai" Telephone Number: "0531112229999999" Information: "Welcome to ABC shop! We sale stationaries."	Unable to save the information in the database.

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Mobile Unit Test Case 42 (M-UTC-42)**Class Name:** CreateShopDetail**Method:** uploadFile()**Test Data:**

Picture1
IMG_ABCshop1.jpg

Test Case:

ID	Description	Input	Expected Result
1	Input correct picture format <ul style="list-style-type: none"> Picture should be in .png/.jpg file. 	Picture1: "IMG_ABCshop1.jpg"	Update shop information in the database.
2	Input wrong picture format	Picture1: "IMG_ABCshop1.pttx"	Unable to save the information in the database.

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Mobile Unit Test Case 43 (M-UTC-43)**Class Name:** CreateShopMap**Method:** addData()**Test Data:**

Latitude	Longitude
13.234567	100.765432

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> Latitude number must be in six decimal places. Longitude number must be in six decimal places. 	Latitude: "13.234567" Longitude: "100.765432"	New shop information added in the database.

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Mobile Unit Test Case 44 (M-UTC-44)**Class Name:** ManageShopActivity**Method:** addData()**Test Data:**

Shop name	Category
ABC shop 555	Fabric

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> Shop name should not be over 20 characters. Provided category must be selected. 	Shop name: "ABC shop 555" Category: "Fabric"	Update shop information in the database.
2	Input shop name more than 20 characters	Shop name: "ABC shop 5555555555555555" Category: "Fabric"	Unable to save the information in the database.
3	Leave category blank	Shop name: "ABC shop 555" Category: -	Unable to save the information in the database.
4	Leave some fields blank	Shop name: - Category: "Fabric"	Unable to save the information in the database.

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Mobile Unit Test Case 45 (M-UTC-45)**Class Name:** ManageShopActivity**Method:** uploadFile()**Test Data:**

Shoppicture
IMG_shop2.jpg

Test Case:

ID	Description	Input	Expected Result
1	Input correct picture format <ul style="list-style-type: none"> Shop picture should be in .png/.jpg file. 	Shop picture: "IMG_shop2.jpg"	Update shop information in the database.
2	Input wrong picture format	Shop picture: "IMG_shop2.pttx"	Unable to save the information in the database.

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Mobile Unit Test Case 46 (M-UTC-46)**Class Name:** ManageShopDetail**Method:** addData()**Test Data:**

Branch	Telephone Number	Information
Bangkok	0815556677	Welcome to ABC shop 555! We sale fabrics.

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> Branch should not be over 20 characters. Telephone number should be in 10 digits number Information should not be over 500 characters. 	Branch: "Bangkok" Telephone Number: "0815556677" Information: "Welcome to ABC shop 555! We sale fabrics."	Update shop information in the database.
2	Input branch more than 20 characters	Branch: "Bangkok xxxxxxxxxxxxxxxxxxxxxxxxx" Telephone Number: "0815556677" Information: "Welcome to ABC shop 555! We sale fabrics."	Unable to save the information in the database.
3	Input telephone number more than 10 digits.	Branch: "Bangkok" Telephone Number: "08155566779999999999" Information: "Welcome to ABC shop 555! We sale fabrics."	Unable to save the information in the database.

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Mobile Unit Test Case 47 (M-UTC-47)**Class Name:** ManageShopDetail**Method:** uploadFile()**Test Data:**

Picture1	Picture2
IMG_ABCshop1.jpg	IMG_ABCshop2.jpg

Test Case:

ID	Description	Input	Expected Result
1	Input correct picture format <ul style="list-style-type: none"> Picture should be in .png/.jpg file. 	Picture1: "IMG_ABCshop1.jpg" Picture:2 "IMG_ABCshop2.jpg"	Update shop information in the database.
2	Input wrong picture format	Picture1: "IMG_ABCshop1.pttx" Picture:2 "IMG_ABCshop2.pttx"	Unable to save the information in the database.

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Mobile Unit Test Case 48 (M-UTC-48)**Class Name:** ManageShopMap**Method:** updateData()**Test Data:**

Latitude	Longitude
55.234567	88.765432

Test Case:

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> Latitude number must be in six decimal places. Longitude number must be in six decimal places. 	Latitude: "55.234567" Longitude: "88.765432"	Update shop information in the database.

Mobile Unit Test Case 49 (M-UTC-49)**Class Name:** ShopRandomActivity**Method:** random()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Get random shops from database	http://rsproduct.dyndns.org/handiyeraft/random.php	Display list of tutorials that exist in the database in disorder.

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Mobile Unit Test Case 50 (M-UTC-50)**Class Name:** ShopRandomActivity**Method:** ShopListView()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Shows list of random shops.	http://rsproduct.dyndns.org/handycraft/ShopListView.php	Display list of tutorials that exist in the database in disorder.

Mobile Unit Test Case 51 (M-UTC-51)**Class Name:** ShopCategoryActivity**Method:** category()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Shows list of shop categories, which are fabric, accessory, wood, stationary, container, and other.	http://rsproduct.dyndns.org/handycraft/category.php	Display list of shop categories that exist in the database.

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Mobile Unit Test Case 52 (M-UTC-52)**Class Name:** ShopCategoryActivity**Method:** ShopListView()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select "Fabric" link to make sure that the system can show shops from fabric category.	http://rsproduct.dyndns.org/handycraft/ShopListView/Fabric.php	Display list of shops that are in Fabric category that exist in database.
2	Select "Accessory" link to make sure that the system can show shops from accessory category.	http://rsproduct.dyndns.org/handycraft/ShopListView/Accessory.php	Display list of shops that are in Accessory category that exist in database.
3	Select "Wood" link to make sure that the system can show shops from wood category.	http://rsproduct.dyndns.org/handycraft/ShopListView/Wood.php	Display list of shops that are in Wood category that exist in database.
4	Select "Stationary" link to make sure that the system can show shops from stationary category.	http://rsproduct.dyndns.org/handycraft/ShopListView/Stationary.php	Display list of shops that are in Stationary category that exist in database.
5	Select "Container" link to make sure that the system can show shops from container category.	http://rsproduct.dyndns.org/handycraft/ShopListView/Container.php	Display list of shops that are in Container category that exist in database.
6	Select "Other" link to make sure that the system can show shops from other category.	http://rsproduct.dyndns.org/handycraft/ShopListView/Other.php	Display list of shops that are in Other category that exist in database.

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Mobile Unit Test Case 53 (M-UTC-53)**Class Name:** ShopCategoriesList**Method:** categoryList()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Get categories information from database	http://rsproduct.dyndns.org/handycraft/categoryList.php	Display list of shop categories that exist in the database.

Mobile Unit Test Case 54 (M-UTC-54)**Class Name:** ShopCategoriesList**Method:** CategoryListView()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Shows list of shop categories.	http://rsproduct.dyndns.org/handycraft/CategoryListView.php	Display list of shops of the selected category that exist in the database.

Mobile Unit Test Case 55 (M-UTC-55)**Class Name:** ShopSearchActivity**Method:** search()**Test Data:**

Keyword
Pin

Test Case:

ID	Description	Input	Expected Result
1	Get shops that has the searched keyword from database	Keyword: "Pin"	Display list of shops that related to the searched keyword.
2	No shop for the keyword.	Keyword: "zzzzz"	Unable to show any result.

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Mobile Unit Test Case 56 (M-UTC-56)**Class Name:** ShopSearchActivity**Method:** ShopListView()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Shows list of shops that contains the searched keyword.	Keyword: "Pin"	Display list of shops that related to the searched keyword.
2	No shop for the keyword.	Keyword: "zzzzz"	Unable to show any result.

Mobile Unit Test Case 57 (M-UTC-57)**Class Name:** ViewShopDetail**Method:** showInfo()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select shop link to make sure that the system can redirect to shop detail page.	http://rsproduct.dyndns.org/handycraft/showInfo.php	Display information of the shop.

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Mobile Unit Test Case 58 (M-UTC-58)

Class Name: SendMessageActivity

Method: getMessage()

Test Data:

Message Detail
Hello

Test Case:

[illegible]

Mobile Unit Test Case 59 (M-UTC-59)

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Class Name: MessageDetailActivity

Method: showMessage()

Test Data: -

Test Case:

ID	Description	Input	Expected Result
1	Select conversation link to make sure that the system can redirect to message detail page.	http://rsproduct.dyndns.org/handycraft/showMessage.php	Display message details in of the selected conversation.

Mobile Unit Test Case 60 (M-UTC-60)

Class Name: MessageDetailActivity

Method: seeMessageList()

Test Data: -

Test Case:

ID	Description	Input	Expected Result
1	Select message link to make sure that the system can redirect to message page and display the list of people that the user has been communicating with.	http://rsproduct.dyndns.org/handycraft/seeMessageList.php	Display list of user's conversations from the database.

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Mobile Unit Test Case 61 (M-UTC-61)**Class Name:** ViewTutorialDetail**Method:** showComment()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select tutorial link to make sure that the system can redirect to tutorial detail page in order to see tutorial's detail, which includes comment.	http://rsproduct.dyndns.org/handycraft/showComment.php	Display comments of the tutorial that exist in the database.

Mobile Unit Test Case 62 (M-UTC-62)**Class Name:** ViewTutorialDetail**Method:** addComment()**Test Data:**

Comment
Nice tutorial

Test Case:

ID	Description	Input	Expected Result
1	Input correct format comment <ul style="list-style-type: none"> Comment should not be over 500 characters. 	Comment: "Nice tutorial"	The comment has been saved in the database and displayed in the tutorial detail page.

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2	Input commentmore than 500 characters	<p>Comment:</p> <p>“aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa”</p>	Unable to save the information in the database.
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Mobile Unit Test Case 63 (M-UTC-63)

Class Name: ViewTutorialDetail

Method: like()

Test Data: -

Test Case:

ID	Description	Input	Expected Result
1	Add a like to the tutorial.	http://rsproduct.dyndns.org/handycraft/like.php	Like number of the tutorial increases by one in the database.

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Mobile Unit Test Case 64 (M-UTC-64)**Class Name:** ViewTutorialDetail**Method:** unlike()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Undo adding like from the tutorial.	http://rsproduct.dyndns.org/handycraft/unlike.php	Like number of the tutorial decreases by one in the database.

Mobile Unit Test Case 65 (M-UTC-65)**Class Name:** ViewBloggerProfileDetail**Method:** follow()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Follow the blogger	http://rsproduct.dyndns.org/handycraft/follow.php	Add the selected blogger in the database.

Mobile Unit Test Case 66 (M-UTC-66)**Class Name:** ViewBloggerProfileDetail**Method:** unfollow()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Undo follow the blogger	http://rsproduct.dyndns.org/handycraft/unfollow.php	Remove the selected blogger in the database.

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Mobile Unit Test Case 67 (M-UTC-67)**Class Name:** ViewBloggerProfileDetail**Method:** seeFollowing()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select following link to make sure that the system can redirect to follow list page in order to see list of bloggers that the user is following.	http://rsproduct.dyndns.org/handycraft/seeFollowing.php	Display list of user's following bloggers.

Mobile Unit Test Case 68 (M-UTC-68)**Class Name:** ViewBloggerProfileDetail**Method:** seeFollower()**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select following link to make sure that the system can redirect to follow list page in order to see list of bloggers that follow the user.	http://rsproduct.dyndns.org/handycraft/seeFollower.php	Display list of user's follower.

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Mobile Unit Test Case 69 (M-UTC-69)**Class Name:** PostToFacebookActivity**Method:** postToFacebook(review : String)**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Share the tutorial to Facebook wall	http://rsproduct.dyndns.org/handiycraft/postToFacebook.php	The tutorial is posted on Facebook.

Mobile Unit Test Case 70 (M-UTC-70)**Class Name:** NotificationManagement**Method:** notificationLike**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select like activity link to make sure that the system can redirect to the liked tutorial detail page.	http://rsproduct.dyndns.org/handiycraft/newLike.php	Redirect to liked tutorial detail page.

Mobile Unit Test Case 71 (M-UTC-71)**Class Name:** NotificationManagement**Method:** notificationComment**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select comment activity link to make sure that the system can redirect to the commented tutorial detail page.	http://rsproduct.dyndns.org/handiycraft/newComment.php	Redirect to commented tutorial detail page.

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Mobile Unit Test Case 72 (M-UTC-72)**Class Name:** NotificationManagement**Method:** notificationFollow**Test Data:** -**Test Case:**

ID	Description	Input	Expected Result
1	Select like follow link to make sure that the system can redirect to the user's profile page in order to see followers.	http://rsproduct.dyndns.org/handycraft/newFollower.php	Redirect to user's profile page.

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Chapter Five|

System Testing of HanDIYcraft Web Application

Web System Test Case 01 (W-STC-01): User can register to the system as a blogger.

Description

System testing for W-URS-01: The user registers as a blogger.

Prerequisite

- Username must be between 1-20 characters.
- Password must be between 1-20 characters.
- Re-Password must match with the password.
- Email must be in email format.

Test Script

1. Blogger clicks sign up link.
2. System provides registration user interface.
3. Blogger inputs information.
4. System validates the information.
5. Blogger clicks done.
6. System saves information into database.

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Test Cases

ID	Description	Input	Expected Result
1	Input correct format information. <ul style="list-style-type: none"> Username without symbol and should not be over 500 characters. Password without symbol and should not be over 500 characters. Re-Password should match with the password. Email should be in email format. 	Username: Hideandseek05 Password: 12345 Re-Password: 12345 Email: hello@gmail.com	System saves information into Registered User table.
2	Input username more than 20 characters.	Username: aaaaaaaaaaaaaaaaaaaaaa Password: 12345 Re-Password: 12345 Email: hello@gmail.com	Error message, "The username should be between 1-20 characters."
3	Input username with symbols.	Username: Hello!@#%\$% Password: 12345 Re-Password: 12345 Email: hello@gmail.com	Error message, "The username should not contain any symbols."
4	Input the username that already exist in database.	Username: aaa Password: 12345 Re-Password: 12345 Email: hello@gmail.com	Error message, "This username is already in use."
5	Input password more than 20 characters information.	Username: Hideandseek05 Password: aaaaaaaaaaaaaaaaaaaaaa Re-Password: aaaaaaaaaaaaaaaaaaaaaa Email: hello@gmail.com	Error message, "The password should be between 1-20 characters."

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6	Input password with symbols.	Username: Hideandseek05 Password: 12345!@#\$\$% Re-Password: 12345!@#\$\$% Email: hello@gmail.com	Error message, "The password should not contain any symbols."
7	Input Re-Password that does not match with the password.	Username: Hideandseek05 Password: 12345 Re-Password: aaaaa Email: hello@gmail.com	Error message, "Re-password is not matching with your password."
8	Input wrong format of Email.	Username: Hideandseek05 Password: 12345 Re-Password: 12345 Email: aaaaa	Error message, "The email should be in email format."
9	Leave some fields blank	Username: Hideandseek05 Password: 12345 Re-Password: - Email: -	Error message, "Please fill all information, don't leave blank."

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Web System Test Case 02 (W-STC-02): Blogger can log into access the system.

Description

System testing for W-URS-02: The user logs in to the system.

Prerequisite

- Username “Hideandseek05” must be already added into Registered User table.
- Password “12345” must be already added into Registered User table.

Test Script

1. Blogger inputs username and password.
2. Blogger clicks log in button.
3. System verifies username and password.
4. System allows blogger to access to homepage.

Test Cases

ID	Description	Input	Expected Result
1	Input valid username and password. <ul style="list-style-type: none"> • Username without symbol and should not be over 500 characters. • Password without symbol and should not be over 500 characters. • Username and Password should match with the one in database. 	Username: Hideandseek05 Password: 12345	System goes to homepage for blogger.
2	Input invalid username or password.	Username: xxxxxx Password: xxxxxx	Error message, “Invalid username or password.”
3	Leave some fields blank	Username: - Password: 12345	Error message, “Please fill all information, don’t leave blank.”

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Web System Test Case 03 (W-STC-03): Blogger can log out from the system.

Description

System testing for W-URS-03: The user logouts from the system.

Prerequisite

- Blogger has logged in.

Test Script

1. Blogger clicks log out.
2. System goes to homepage for unlogged in user.

Test Cases

ID	Description	Input	Expected Result
1	Select log out link to make sure that the system is able to let blogger log out from the system.	Click “Log out”	System goes to homepage for visitor.

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Web System Test Case 04 (W-STC-04): Blogger can see his/her profile information.

Description

System testing for W-URS-04: The user sees his/her profile.

Prerequisite

- Blogger has logged in.

Test Script

1. Blogger clicks profile link.
2. System goes profile page.
3. System displays blogger's information and tutorials.

Test Cases

ID	Description	Input	Expected Result
1	Select profile link to make sure that the system can redirect to blogger's profile page.	Click "Profile"	System displays blogger's information, which are profile picture, username, follower number, following number, email, and list of created tutorials with tutorial picture, title, owner username, and number of likes.

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Web System Test Case 05 (W-STC-05): Blogger can edit his/her email.**Description**

System testing for W-URS-05: The user edits his/her email.

Prerequisite

- Username “Hideandseek05” must be already added into Registered User table.
- Password “12345” must be already added into Registered User table.
- Email “hello@gmail.com” must be already added into Registered User table.

Test Script

1. Blogger clicks profile link.
2. System goes profile page.
3. System displays blogger’s information and tutorials.
4. Blogger clicks edit link.
5. System provides editable fields for blogger to edit information.
6. Blogger inputs new information.
7. Blogger clicks save.
8. System updates new information into database.

Test Cases

ID	Description	Input	Expected Result
1	Input correct format information. <ul style="list-style-type: none"> • Email should be in email format. 	Email: kanom@msn.com	System saves information into Registered User table.
2	Input wrong format of Email.	Email: aaaaa	Error message, “The email should be in email format.”
3	Leave some fields blank	Email: -	Error message, “Please fill all information, don’t leave blank.”

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Web System Test Case 06 (W-STC-06): Blogger can add his/her profile picture.

Description

System testing for W-URS-06: The user adds profile picture.

Prerequisite

- Username “Hideandseek05” must be already added into Registered User table.
- Password “12345” must be already added into Registered User table.
- Email “hello@gmail.com” must be already added into Registered User table.

Test Script

1. Blogger clicks profile link.
2. System goes profile page.
3. System displays blogger’s information and tutorials.
4. Blogger clicks edit link.
5. System provides editable fields for blogger to edit information.
6. Blogger clicks browse and upload picture.
7. Blogger clicks save.
8. System adds the picture into database.

Test Cases

ID	Description	Input	Expected Result
1	Input correct picture format. <ul style="list-style-type: none"> • Profile picture should be in .png/.jpg file. 	“IMG_ProfilePic.jpg”	System adds picture into Registered User table.
2	Input wrong picture format.	“IMG_ProfilePic.pptx”	Error message, “The picture must be .png/.jpg file.”

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Web System Test Case 07 (W-STC-07): Blogger can change his/her profile picture.

Description

System testing for W-URS-07: The user changes profile picture.

Prerequisite

- Profile picture “IMG_ProfilePic.jpg” must be already added into Registered User table.

Test Script

1. Blogger clicks profile link.
2. System goes profile page.
3. System displays blogger’s information and tutorials.
4. Blogger clicks edit link.
5. System provides editable fields for blogger to edit information.
6. Blogger clicks browse and upload picture.
7. Blogger clicks save.
8. System updates new picture into database.

Test Cases

ID	Description	Input	Expected Result
1	Input correct picture format. ○ Profile picture should be in .png/.jpg file.	“IMG_ProfilePic2.jpg”	System updates new picture into Registered User table.
2	Input wrong picture format.	“IMG_ProfilePic2.pptx”	Error message, “The picture must be .png/.jpg file.”

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Web System Test Case 08 (W-STC-08): Blogger can change his/her password.**Description**

System testing for W-URS-08: The user changes his/her password.

Prerequisite

- Password “12345” must be already added into Registered User table.

Test Script

1. Blogger clicks profile link.
2. System goes profile page.
3. System displays blogger's information and tutorials.
4. Blogger clicks edit link.
5. System provides editable fields for blogger to edit information.
6. Blogger change password link.
7. System provides change password interface.
8. Blogger inputs information.
9. Blogger clicks save.
10. System updates new password into database.

Test Cases

ID	Description	Input	Expected Result
1	Input correct format information.	Current password: 12345 New password: 00000 Re-New password: 0000	System updates new password into Registered User table.
2	Input wrong current password.	Current password: 55555 New password: 00000 Re-New password: 0000	Error message, “Your current password is wrong, please try again.”
3	Input new password more than 20 characters.	Current password: 12345 New password: aaaaaaaaaaaaaaaaaaaaaa Re-New password: aaaaaaaaaaaaaaaaaaaaaa	Error message, “The password should be between 1-20 characters.”
4	Input new password with symbol.	Current password: 12345 New password: 00*00 Re-New password: 00*00	Error message, “The password should not contain any symbols.”
5	Input re-new password that does not match with the new password.	Current password: 12345 New password: 00000 Re-New password: 0011	Error message, “Re-new password is not matching with your new password.”

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6	Leave some fields blank	Current password: 12345 New password: 00000 Re-New password: -	Error message, "Please fill all information, don't leave blank."
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Web System Test Case 09 (W-STC-09): Blogger can delete his/her account.

Description

System testing for W-URS-09: The user deletes his/her account.

Prerequisite

- Blogger has logged in.

Test Script

1. Blogger clicks profile link.
2. System goes profile page.
3. System displays blogger's information and tutorials.
4. Blogger clicks edit link.
5. System provides editable fields for blogger to edit information.
6. Blogger delete account link.
7. System display confirmation message.
8. Blogger clicks yes to confirm the process.
9. System deletes blogger's information from database.

Test Cases

ID	Description	Input	Expected Result
1	Select delete account link to make sure that the system is able to delete the account from database.	Click "Delete account"	System removes the blogger's information from Registered User table.

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Web System Test Case 10 (W-STC-10): Blogger can see tutorial by random.

Description

System testing for W-URS-10: The user sees tutorials by random.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger clicks random link.
2. System displays list of tutorials that exist in database randomly.

Test Cases

ID	Description	Input	Expected Result
1	Select “Random” link to make sure that the system can show tutorials randomly.	Click “Random”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes randomly.

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Web System Test Case 11 (W-STC-11): Blogger can see tutorial by popular.

Description

System testing for W-URS-11: The user sees tutorials by popular.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger clicks popular link.
2. System displays list of most liked tutorials that exist in database.

Test Cases

ID	Description	Input	Expected Result
1	Select “Popular” link to make sure that the system can show tutorials that has mostly liked.	Click “Popular”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes that has mostly liked.

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Web System Test Case 12 (W-STC-12): Blogger can see tutorial by categories.**Description**

System testing for W-URS-12: The user sees tutorials by categories.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger select a category.
2. System displays tutorials that exist in the category.

Test Cases

ID	Description	Input	Expected Result
1	Select “Outfit” link to make sure that the system can show tutorials from outfit category.	“Outfit”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from outfit category.
2	Select “Accessory” link to make sure that the system can show tutorials from accessory category.	“Accessory”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from accessory category.
3	Select “Gift” link to make sure that the system can show tutorials from gift category.	“Gift”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from gift category.
4	Select “Kid” link to make sure that the system can show tutorials from kid category.	“Kid”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from kid category.
5	Select “Garden” link to make sure that the system can show tutorials from garden category.	“Garden”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from garden category.
6	Select “Home Decor” link to make sure that the system can show tutorials from home decor category.	“Home Decor”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from home decor category.
7	Select “Pet” link to make sure that the system can show tutorials from pet category.	“Pet”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from pet category.

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8	Select “Other” link to make sure that the system can show tutorials from other category.	“Other”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from other category.
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Web System Test Case 13 (W-STC-13): Blogger can see tutorial by searching.

Description

System testing for W-URS-13: The user sees tutorials by searching.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger input a character/keyword into the search box.
2. System displays tutorials that contain the character/keyword.

Test Cases

ID	Description	Input	Expected Result
1	Input a keyword that is contained in tutorial.	“Tutorial01”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes that contain the word “Tutorial01”
2	Input a character that is contained in tutorial.	“T”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes that contain the character “T”
3	Input a character that does not contained in tutorial.	“Z”	Error message, “No result.”

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Web System Test Case 14 (W-STC-14): Blogger can see tutorial by following.

Description

System testing for W-URS-14: The user sees tutorials by following.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger clicks following link.
2. System displays tutorials from people that the blogger is following.

Test Cases

ID	Description	Input	Expected Result
1	Select “Following” link to make sure that the system can show tutorials from following people.	Click “Following”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from following people.
2	No following people	Click “Following”	Error message, “You have not followed anyone yet.”

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Web System Test Case 15 (W-STC-15): Blogger can see tutorial detail.

Description

System testing for W-URS-15: The user sees tutorial information.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger clicks tutorial link.
2. System goes tutorial detail page.
3. System displays tutorial’s information.

Test Cases

ID	Description	Input	Expected Result
1	Select “Tutorial01” link to make sure that the system can redirect to tutorial detail page.	Click “Tutorial01”	System displays Tutorial01’s information, which are title, owner username, number of likes, category, material description, material picture, step description, step picture, video, and comments.

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Web System Test Case 16 (W-STC-16): Blogger can create his/her own tutorial.**Description**

System testing for W-URS-16: The user creates his/her own tutorial.

Prerequisite

- Blogger has logged in.

Test Script

1. Blogger clicks create tutorial link.
2. System goes to create tutorial page.
3. System provides creating tutorial fields for blogger to input tutorial information.
4. Blogger inputs tutorial information.
5. Blogger clicks done.
6. System saves tutorial information into database.

Test Cases

ID	Description	Input			Expected Result
1	<p>Input correct format information</p> <ul style="list-style-type: none">• Tutorial picture should be in .png/.jpg file.• Title should not be over 20 characters.• Provided category must be selected.• Material picture should be in .png/.jpg file.• Material description should not be over 500 characters.• Step should be number 1-10• Step picture should be in .png/.jpg file.• Step description should not be over 500 characters.	<p>Tutorial picture: “IMG_tutorial.jpg” Title: “Handmade Bracelet” Category: “Accessory” Material picture: “IMG_material.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin” Step: “1” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Video: “VDO_tutorial.mov”</p>			System saves information into Tutorial table.
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	<ul style="list-style-type: none"> Video should be in .mov file. 		
2	Input wrong picture format	<p>Tutorial picture: "IMG_tutorial.pptx" Title: "Handmade Bracelet" Category: "Accessory" Material picture: "IMG_material.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin" Step: "1" Step1 picture: "IMG_step1.pptx" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Video: "VDO_tutorial.mov"</p>	Error message, "The picture must be .png/.jpg file."

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3	Input title more than 20 characters	Tutorial picture: “IMG_tutorial.jpg” Title: “Handmade Bracelet xxxxx” Category: “Accessory” Material picture: “IMG_material.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin” Step: “1” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Video: “VDO_tutorial.mov”	Error message, “The title should be between 1-20 characters.”
4	Leave category blank	Tutorial picture: “IMG_tutorial.jpg” Title: “Handmade Bracelet” Category: - Material picture: “IMG_material.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin” Step: “1” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Video: “VDO_tutorial.mov”	Error message, “Please select a category.”

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6	Input step more than 10	Tutorial picture: “IMG_tutorial.jpg” Title: “Handmade Bracelet” Category: “Accessory” Material picture: “IMG_material.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin” Step: “15” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Video: “VDO_tutorial.mov”	Error message, “The step number should be between 1-6.”			
7	Leave step blank	Tutorial picture: “IMG_tutorial.jpg” Title: “Handmade Bracelet” Category: “Accessory” Material picture: “IMG_material.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin” Step: - Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Video: “VDO_tutorial.mov”	Error message, “Please input number of step.”			
8	Input wrong video format	Tutorial picture: “IMG_tutorial.jpg” Title: “Handmade Bracelet” Category: “Accessory” Material picture: “IMG_material.jpg” Material description: “1 Rope	Error message, “The video must be .mov file.”			
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		2.Glue 3.Scissor 4.Glitter 5.Pin” Step: “1” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Video: “VDO_tutorial.m4a”	
9	Leave some fields blank	Tutorial picture: “IMG_tutorial.jpg” Title: - Category: “Accessory” Material picture: - Material description: - Step: “1” Step1 picture: “IMG_step1.jpg” Step1 description: - Video: “VDO_tutorial.mov”	Error message, “Please fill all information, don’t leave blank.”

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Web System Test Case 17 (W-STC-17): Blogger can see his/her own tutorials.

Description

System testing for W-URS-17: The user sees his/her own tutorial.

Prerequisite

- Blogger's tutorial "Handmade Bracelet" must be already added into Tutorial table.

Test Script

1. Blogger clicks profile link.
2. System goes profile page.
3. System displays blogger's information and tutorials.

Test Cases

ID	Description	Input	Expected Result
1	Select profile link to make sure that the system can redirect to blogger's profile page.	Click "Handmade Bracelet" tutorial	System displays blogger's information, which are profile picture, username, follower number, following number, email, and list of created tutorials with tutorial picture, title, owner username, and number of likes.

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Web System Test Case 18 (W-STC-18): Blogger can edit his/her own tutorial.**Description**

System testing for W-URS-18: The user edits his/her own tutorial.

Prerequisite

- Blogger's tutorial "Handmade Bracelet" must be already added into Tutorial table.

Test Script

1. Blogger clicks profile link.
2. System goes profile page.
3. System displays blogger's information and tutorials.
4. Blogger selects a tutorial that he/she wants to edit.
5. System provides editable fields for blogger to edit tutorial information.
6. Blogger inputs new tutorial information.
7. Blogger clicks save.
8. System updates new tutorial information into database.

Test Cases

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> • Tutorial picture should be in .png/.jpg file. • Title should not be over 20 characters. • Provided category must be selected. • Material picture should be in .png/.jpg file. • Material description 	Tutorial picture: "IMG_tutorial2.jpg" Title: "DIY Bracelet" Category: "Outfit" Material picture: "IMG_material2.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color" Step: "2" Step1 picture: "IMG_step1.jpg" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Step2 picture: "IMG_step2.jpg" Step2 description: "Now it's time to decorate!" Video: "VDO_tutorial.mov"	System updates new information into Tutorial table.

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	<p>should not be over 500 characters.</p> <ul style="list-style-type: none"> • Step should be number 1-10 • Step picture should be in .png/.jpg file. • Step description should not be over 500 characters. • Video should be in .mov file. 		
2	Input wrong picture format	<p>Tutorial picture: "IMG_tutorial2.pptx" Title: "DIY Bracelet" Category: "Outfit" Material picture: "IMG_material2.pptx" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color" Step: "2" Step1 picture: "IMG_step1. pptx" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Step2 picture: "IMG_step2. pptx" Step2 description: "Now it's time to decorate!" Video: "VDO_tutorial.mov"</p>	Error message, "The picture must be .png/.jpg file."
3	Input title more than 20 characters	<p>Tutorial picture: "IMG_tutorial2.jpg" Title: "DIY Bracelet xxxxxxxxxxxxxxxxx" Category: "Outfit" Material picture: "IMG_material2.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color"</p>	Error message, "The title should be between 1-20 characters."

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		<p>Step: “2”</p> <p>Step1 picture: “IMG_step1.jpg”</p> <p>Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.”</p> <p>Step2 picture: “IMG_step2.jpg”</p> <p>Step2 description: “Now it’s time to decorate!”</p> <p>Video: “VDO_tutorial.mov”</p>	
4	Leave category blank	<p>Tutorial picture: “IMG_tutorial2.jpg”</p> <p>Title: “DIY Bracelet”</p> <p>Category: -</p> <p>Material picture: “IMG_material2.jpg”</p> <p>Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color”</p> <p>Step: “2”</p> <p>Step1 picture: “IMG_step1.jpg”</p> <p>Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.”</p> <p>Step2 picture: “IMG_step2.jpg”</p> <p>Step2 description: “Now it’s time to decorate!”</p> <p>Video: “VDO_tutorial.mov”</p>	Error message, “Please select a category.”
5	Input description more than 500 characters	<p>Tutorial picture: “IMG_tutorial2.jpg”</p> <p>Title: “DIY Bracelet”</p> <p>Category: “Outfit”</p> <p>Material picture: “IMG_material2.jpg”</p> <p>Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color”</p> <p>Step: “2”</p> <p>Step1 picture: “IMG_step1.jpg”</p> <p>Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.”</p> <p>Step2 picture: “IMG_step2.jpg”</p> <p>Step2 description: “aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa</p>	Error message, “The description should be between 1-500 characters.”

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6	Input step more than 10	Tutorial picture: “IMG_tutorial2.jpg” Title: “DIY Bracelet” Category: “Outfit” Material picture: “IMG_material2.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color” Step: “15” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Step2 picture: “IMG_step2.jpg” Step2 description: “Now it’s time to decorate!” Video: “VDO_tutorial.mov”	Error message, “The step number should be between 1-6.”		
7	Leave step blank	Tutorial picture: “IMG_tutorial2.jpg” Title: “DIY Bracelet” Category: “Outfit” Material picture: “IMG_material2.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color”	Error message, “Please input number of step.”		
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		Step1 picture: "IMG_step1.jpg" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Step2 picture: "IMG_step2.jpg" Step2 description: "Now it's time to decorate!" Video: "VDO_tutorial.mov"	
8	Input wrong video format	Tutorial picture: "IMG_tutorial2.jpg" Title: "DIY Bracelet" Category: "Outfit" Material picture: "IMG_material2.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color" Step: "2" Step1 picture: "IMG_step1.jpg" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Step2 picture: "IMG_step2.jpg" Step2 description: "Now it's time to decorate!" Video: "VDO_tutorial.m4a"	Error message, "The video must be .mov file."
9	Leave some fields blank	Tutorial picture: "IMG_tutorial2.jpg" Title: - Category: "Outfit" Material picture: - Material description: - Step: "2" Step1 picture: "IMG_step1.jpg" Step1 description: - Step2 picture: "IMG_step2.jpg" Step2 description: "Now it's time to decorate!" Video: "VDO_tutorial.mov"	Error message, "Please fill all information, don't leave blank."

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Web System Test Case 19 (W-STC-19): Blogger can delete his/her own tutorial.

Description

System testing for W-URS-19: The user deletes his/her own tutorial.

Prerequisite

- Blogger's tutorial "Handmade Bracelet" must be already added into Tutorial table.

Test Script

1. Blogger clicks profile link.
2. System goes profile page.
3. System displays blogger's information and tutorials.
4. Blogger selects a tutorial that he/she wants to edit.
5. System provides edit tutorial interface.
6. Blogger clicks delete tutorial.
7. System deletes the tutorial from database.

Test Cases

ID	Description	Input	Expected Result
1	Select delete tutorial link to make sure that the system is able to delete the tutorial from database.	Click "Delete tutorial"	System removes the tutorial from Tutorial table.

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Chapter Six |

System Testing of HanDIYcraft

Android Application

Mobile System Test Case 01 (M-STC-01): User can register to the system as a blogger or shopkeeper.

Description

System testing for M-URS-01: The user registers as a blogger or shopkeeper.

Prerequisite

- Username must be between 1-20 characters.
- Password must be between 1-20 characters.
- Re-Password must match with the password.
- Email must be in email format.

Test Script

1. Blogger clicks sign up link.
2. System provides registration user interface.
3. Blogger inputs information.
4. System validates the information.
5. Blogger clicks done.
6. System saves information into database.

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Test Cases

ID	Description	Input	Expected Result
1	Input correct format information and register as a blogger. <ul style="list-style-type: none"> • Username without symbol and should not be over 500 characters. • Password without symbol and should not be over 500 characters. • Re-Password should match with the password. • Email should be in email format. • Role must be either Blogger or Shopkeeper. 	Username: Hideandseek05 Password: 12345 Re-Password: 12345 Email: hello@gmail.com Role: Blogger Profile Picture: IMG_ProfilePic.jpg	System saves information into Registered User table. Successful message, "You are now a blogger, please log in."
2	Input correct format information and register as a shopkeeper. <ul style="list-style-type: none"> • Username without symbol and should not be over 500 characters. • Password without symbol and should not be over 500 characters. • Re-Password should match with the password. • Email should be in email format. • Role must be either Blogger or Shopkeeper. 	Username: Hideandseek05 Password: 12345 Re-Password: 12345 Email: hello@gmail.com Role: Shopkeeper Profile Picture: IMG_ProfilePic.jpg	System saves information into Registered User table. Successful message, "You are now a shopkeeper, please log in."

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3	Input username more than 20 characters.	Username: aaaaaaaaaaaaaaaaaaaaa Password: 12345 Re-Password: 12345 Email: hello@gmail.com Role: Blogger Profile Picture: IMG_ProfilePic.jpg	Error message, “The username should be between 1-20 characters.”
4	Input username with symbols.	Username: Hello!@#\$\$% Password: 12345 Re-Password: 12345 Email: hello@gmail.com Role: Blogger Profile Picture: IMG_ProfilePic.jpg	Error message, “The username should not contain any symbols.”
5	Input the username that already exist in database.	Username: aaa Password: 12345 Re-Password: 12345 Email: hello@gmail.com Role: Blogger Profile Picture: IMG_ProfilePic.jpg	Error message, “This username is already in use.”
6	Input password more than 20 characters information.	Username: Hideandseek05 Password: aaaaaaaaaaaaaaaaaaaaa Re-Password: aaaaaaaaaaaaaaaaaaaaa Email: hello@gmail.com Role: Blogger Profile Picture: IMG_ProfilePic.jpg	Error message, “The password should be between 1-20 characters.”
7	Input password with symbols.	Username: Hideandseek05 Password: 12345!@#\$\$% Re-Password: 12345!@#\$\$% Email: hello@gmail.com Role: Blogger Profile Picture: IMG_ProfilePic.jpg	Error message, “The password should not contain any symbols.”

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8	Input Re-Password that does not match with the password.	Username: Hideandseek05 Password: 12345 Re-Password: aaaaa Email: hello@gmail.com Role: Blogger Profile Picture: IMG_ProfilePic.jpg	Error message, “Re-password is not matching with your password.”
9	Input wrong format of Email.	Username: Hideandseek05 Password: 12345 Re-Password: 12345 Email: aaaaa Role: Blogger Profile Picture: IMG_ProfilePic.jpg	Error message, “The email should be in email format.”
10	Input wrong format of Profile picture.	Username: Hideandseek05 Password: 12345 Re-Password: 12345 Email: hello@gmail.com Role: Blogger Profile Picture: IMG_ProfilePic.txt	Error message, “The picture must be .png/.jpg file.”
11	Leave some fields blank	Username: Hideandseek05 Password: 12345 Re-Password: 12345 Email: - Role: - Profile Picture: IMG_ProfilePic.jpg	Error message, “Please fill all information, don’t leave blank.”

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Mobile System Test Case 02 (M-STC-02): Blogger/Shopkeeper can login to access the system.

Description

System testing for M-URS-02: The user logs in to the system.

Prerequisite

- Username “Hideandseek05” must be already added into Registered User table.
- Password “12345” must be already added into Registered User table.

Test Script

1. Blogger/Shopkeeper inputs username and password.
2. Blogger/Shopkeeper clicks log in button.
3. System verifies username and password.
4. System allows blogger to access to homepage.

Test Cases

ID	Description	Input	Expected Result
1	Input valid username and password. <ul style="list-style-type: none"> • Username without symbol and should not be over 500 characters. • Password without symbol and should not be over 500 characters. • Username and Password should match with the one in database. 	Username: Hideandseek05 Password: 12345	System goes to homepage for blogger/shopkeeper.
2	Input invalid username or password.	Username: xxxxxx Password: xxxxxx	Error message, “Invalid username or password.”
3	Leave some fields blank	Username: - Password: 12345	Error message, “Please fill all information, don’t leave blank.”

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Mobile System Test Case 03 (M-STC-03): Blogger/Shopkeeper can log out from the system.

Description

System testing for M-URS-03: The user logouts from the system.

Prerequisite

- Blogger/Shopkeeper has logged in.

Test Script

1. Blogger/Shopkeeper clicks log out.
2. System goes to homepage for unlogged in user.

Test Cases

ID	Description	Input	Expected Result
1	Select log out link to make sure that the system is able to let blogger log out from the system.	Tab “Log out”	System goes to homepage for visitor.

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Mobile System Test Case 04 (M-STC-04): Blogger/Shopkeeper can see his/her profile information.

Description

System testing for M-URS-04: The user sees his/her profile.

Prerequisite

- Blogger/Shopkeeper has logged in.

Test Script

1. Blogger/Shopkeeper clicks profile link.
2. System goes profile page.
3. System displays blogger's information and tutorials.

Test Cases

ID	Description	Input	Expected Result
1	Select profile link to make sure that the system can redirect to blogger's profile page.	Tab "Profile"	System displays blogger's information, which are profile picture, username, follower number, following number, email, and list of created tutorials with tutorial picture, title, owner username, and number of likes.
2	Select profile link to make sure that the system can redirect to shopkeeper's profile page.	Tab "Profile"	System displays shopkeeper's information, which are profile picture, username, and email.

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Mobile System Test Case 05 (M-STC-05): Blogger/Shopkeeper can edit his/her information.

Description

System testing for M-URS-05: The user edits his/her information.

Prerequisite

- Username “Hideandseek05” must be already added into Registered User table.
- Password “12345” must be already added into Registered User table.
- Email “hello@gmail.com” must be already added into Registered User table.

Test Script

1. Blogger/Shopkeeper clicks profile link.
2. System goes profile page.
3. System displays blogger’s information and tutorials.
4. Blogger/Shopkeeper clicks edit link.
5. System provides editable fields for blogger to edit information.
6. Blogger/Shopkeeper inputs new information.
7. Blogger/Shopkeeper clicks save.
8. System updates new information into database.

Test Cases

ID	Description	Input	Expected Result
1	Input correct format information. <ul style="list-style-type: none"> • Email should be in email format. 	Email: kanom@msn.com	System saves information into Registered User table.
2	Input wrong format of Email.	Email: aaaaa	Error message, “The email should be in email format.”
3	Leave some fields blank	Email: -	Error message, “Please fill all information, don’t leave blank.”

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Mobile System Test Case 06 (M-STC-06): Blogger/Shopkeeper can change his/her profile picture.

Description

System testing for M-URS-06: The user changes profile picture.

Prerequisite

- Profile picture “IMG_ProfilePic.jpg” must be already added into Registered User table.

Test Script

1. Blogger/Shopkeeper clicks profile link.
2. System goes profile page.
3. System displays blogger’s information and tutorials.
4. Blogger/Shopkeeper clicks edit link.
5. System provides editable fields for blogger to edit information.
6. Blogger/Shopkeeper clicks browse and upload picture.
7. Blogger/Shopkeeper clicks save.
8. System updates new picture into database.

Test Cases

ID	Description	Input	Expected Result
1	Input correct picture format. ○ Profile picture should be in .png/.jpg file.	“IMG_ProfilePic2.jpg”	System updates new picture into Registered User table.
2	Input wrong picture format.	“IMG_ProfilePic2.pptx”	Error message, “The picture must be .png/.jpg file.”

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Mobile System Test Case 07 (M-STC-07): Blogger/Shopkeeper can change his/her password.

Description

System testing for M-URS-07: The user changes his/her password.

Prerequisite

- Password “12345” must be already added into Registered User table.

Test Script

1. Blogger/Shopkeeper clicks profile link.
2. System goes profile page.
3. System displays blogger’s information and tutorials.
4. Blogger/Shopkeeper clicks edit link.
5. System provides editable fields for blogger to edit information.
6. Blogger/Shopkeeper change password link.
7. System provides change password interface.
8. Blogger/Shopkeeper inputs information.
9. Blogger/Shopkeeper clicks save.
10. System updates new password into database.

Test Cases

ID	Description	Input	Expected Result
1	Input correct format information.	Current password: 12345 New password: 00000 Re-New password: 0000	System updates new password into Registered User table.
2	Input wrong current password.	Current password: 55555 New password: 00000 Re-New password: 0000	Error message, “Your current password is wrong, please try again.”
3	Input new password more than 20 characters.	Current password: 12345 New password: aaaaaaaaaaaaaaaaaaaaaa Re-New password: aaaaaaaaaaaaaaaaaaaaaa	Error message, “The password should be between 1-20 characters.”
4	Input new password with symbol.	Current password: 12345 New password: 00*00 Re-New password: 00*00	Error message, “The password should not contain any symbols.”
5	Input re-new password that does not match with the new password.	Current password: 12345 New password: 00000 Re-New password: 0011	Error message, “Re-new password is not matching with your new password.”

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6	Leave some fields blank	Current password: 12345 New password: 00000 Re-New password: -	Error message, "Please fill all information, don't leave blank."
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Mobile System Test Case 08 (M-STC-08): Blogger/Shopkeeper can delete his/her account.

Description

System testing for M-URS-08: The user deletes his/her account.

Prerequisite

- o Blogger/Shopkeeper has logged in.

Test Script

1. Blogger/Shopkeeper clicks profile link.
2. System goes profile page.
3. System displays blogger's information and tutorials.
4. Blogger/Shopkeeper clicks edit link.
5. System provides editable fields for blogger to edit information.
6. Blogger/Shopkeeper delete account link.
7. System display confirmation message.
8. Blogger/Shopkeeper clicks yes to confirm the process.
9. System deletes blogger's information from database.

Test Cases

ID	Description	Input	Expected Result
1	Select delete account link to make sure that the system is able to delete the account from database.	Tab "Delete account"	System removes the blogger's/shopkeeper's information from Registered User table.

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Mobile System Test Case 09 (M-STC-09): Blogger can see tutorial by random.

Description

System testing for M-URS-09: The user sees tutorials by random.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger clicks random link.
2. System displays list of tutorials that exist in database randomly.

Test Cases

ID	Description	Input	Expected Result
1	Select “Random” link to make sure that the system can show tutorials randomly.	Tab “Random”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes randomly.

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Mobile System Test Case 10 (M-STC-10): Blogger can see tutorial by popular.

Description

System testing for M-URS-10: The user sees tutorials by popular.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger clicks popular link.
2. System displays list of most liked tutorials that exist in database.

Test Cases

ID	Description	Input	Expected Result
1	Select “Popular” link to make sure that the system can show tutorials that has mostly liked.	Tab “Popular”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes that has mostly liked.

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Mobile System Test Case 11 (M-STC-11): Blogger can see tutorial by categories.**Description**

System testing for M-URS-11: The user sees tutorials by categories.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger goes to Menu page.
2. Blogger selects tutorial category link.
3. System displays tutorial categories.
4. Blogger selects a category.
5. System displays tutorials that exist in the category.

Test Cases

ID	Description	Input	Expected Result
1	Select “Outfit” link to make sure that the system can show tutorials from outfit category.	“Outfit”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from outfit category.
2	Select “Accessory” link to make sure that the system can show tutorials from accessory category.	“Accessory”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from accessory category.
3	Select “Gift” link to make sure that the system can show tutorials from gift category.	“Gift”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from gift category.
4	Select “Kid” link to make sure that the system can show tutorials from kid category.	“Kid”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from kid category.

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5	Select “Garden” link to make sure that the system can show tutorials from garden category.	“Garden”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from garden category.
6	Select “Home Decor” link to make sure that the system can show tutorials from home decor category.	“Home Decor”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from home decor category.
7	Select “Pet” link to make sure that the system can show tutorials from pet category.	“Pet”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from pet category.
8	Select “Other” link to make sure that the system can show tutorials from other category.	“Other”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from other category.

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Mobile System Test Case 12 (M-STC-12): Blogger can see tutorial by searching.**Description**

System testing for M-URS-12: The user sees tutorials by searching.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger input a character/keyword into the search box.
2. System displays tutorials that contain the character/keyword.

Test Cases

ID	Description	Input	Expected Result
1	Input a keyword that is contained in tutorial.	“Tutorial01”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes that contain the word “Tutorial01”
2	Input a character that is contained in tutorial.	“T”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes that contain the character “T”
3	Input a character that does not contained in tutorial.	“Z”	Error message, “No result.”

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Mobile System Test Case 13 (M-STC-13): Blogger can see tutorial by following.

Description

System testing for M-URS-13: The user sees tutorials by following.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger clicks following link.
2. System displays tutorials from people that the blogger is following.

Test Cases

ID	Description	Input	Expected Result
1	Select “Following” link to make sure that the system can show tutorials from following people.	Tab “Following”	System displays list of tutorials with tutorial picture, title, owner username, and number of likes from following people.
2	No following people	Tab “Following”	Error message, “You have not followed anyone yet.”

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Mobile System Test Case 14 (M-STC-14): Blogger/Shopkeeper can see tutorial detail.

Description

System testing for M-URS-14: The user sees tutorial information.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger/Shopkeeper clicks tutorial link.
2. System goes tutorial detail page.
3. System displays tutorial’s information.

Test Cases

ID	Description	Input	Expected Result
1	Select “Tutorial01” link to make sure that the system can redirect to tutorial detail page.	Tab “Tutorial01”	System displays Tutorial01’s information, which are title, owner username, number of likes, category, material description, material picture, step description, step picture, video, and comments.

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Mobile System Test Case 15 (M-STC-15): Blogger can create his/her own tutorial.

Description

System testing for M-URS-15: The user creates his/her own tutorial.

Prerequisite

- Blogger has logged in.

Test Script

1. Blogger clicks create tutorial link.
2. System goes to create tutorial page.
3. System provides creating tutorial fields for blogger to input tutorial information.
4. Blogger inputs tutorial information.
5. Blogger clicks done.
6. System saves tutorial information into database.

Test Cases

ID	Description	Input	Expected Result
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1	<p>Input correct format information</p> <ul style="list-style-type: none"> • Tutorial picture should be in .png/.jpg file. • Title should not be over 20 characters. • Provided category must be selected. • Material picture should be in .png/.jpg file. • Material description should not be over 500 characters. • Step should be number 1-10 • Step picture should be in .png/.jpg file. • Step description should not be over 500 characters. • Video should be in .mov file. 	<p>Tutorial picture: "IMG_tutorial.jpg"</p> <p>Title: "Handmade Bracelet"</p> <p>Category: "Accessory"</p> <p>Material picture: "IMG_material.jpg"</p> <p>Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin"</p> <p>Step: "1"</p> <p>Step1 picture: "IMG_step1.jpg"</p> <p>Step1 description: "Cut the rope to have the length as long as it can be out around your wrist."</p> <p>Video: "VDO_tutorial.mov"</p>	<p>System saves information into Tutorial table.</p>
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2	Input wrong picture format	Tutorial picture: “IMG_tutorial.pptx” Title: “Handmade Bracelet” Category: “Accessory” Material picture: “IMG_material.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin” Step: “1” Step1 picture: “IMG_step1.pptx” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Video: “VDO_tutorial.mov”	Error message, “The picture must be .png/.jpg file.”
3	Input title more than 20 characters	Tutorial picture: “IMG_tutorial.jpg” Title: “Handmade Bracelet xxxxxx” Category: “Accessory” Material picture: “IMG_material.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin” Step: “1” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Video: “VDO_tutorial.mov”	Error message, “The title should be between 1-20 characters.”

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4	Leave category blank	Tutorial picture: "IMG_tutorial.jpg" Title: "Handmade Bracelet" Category: - Material picture: "IMG_material.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin" Step: "1" Step1 picture: "IMG_step1.jpg" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Video: "VDO_tutorial.mov"	Error message, "Please select a category."
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6	Input step more than 10	Tutorial picture: “IMG_tutorial.jpg” Title: “Handmade Bracelet” Category: “Accessory” Material picture: “IMG_material.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin” Step: “15” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Video: “VDO_tutorial.mov”	Error message, “The step number should be between 1-6.”
7	Leave step blank	Tutorial picture: “IMG_tutorial.jpg” Title: “Handmade Bracelet” Category: “Accessory” Material picture: “IMG_material.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin” Step: - Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Video: “VDO_tutorial.mov”	Error message, “Please input number of step.”

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8	Input wrong video format	Tutorial picture: “IMG_tutorial.jpg” Title: “Handmade Bracelet” Category: “Accessory” Material picture: “IMG_material.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin” Step: “1” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Video: “VDO_tutorial.m4a”	Error message, “The video must be .mov file.”
9	Leave some fields blank	Tutorial picture: “IMG_tutorial.jpg” Title: - Category: “Accessory” Material picture: - Material description: - Step: “1” Step1 picture: “IMG_step1.jpg” Step1 description: - Video: “VDO_tutorial.mov”	Error message, “Please fill all information, don’t leave blank.”

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Mobile System Test Case 16 (M-STC-16): Blogger can see his/her own tutorials.

Description

System testing for M-URS-16: The user sees his/her own tutorial.

Prerequisite

- Blogger's tutorial "Handmade Bracelet" must be already added into Tutorial table.

Test Script

1. Blogger clicks profile link.
2. System goes profile page.
3. System displays blogger's information and tutorials.

Test Cases

ID	Description	Input	Expected Result
1	Select profile link to make sure that the system can redirect to blogger's profile page.	Tab "Handmade Bracelet" tutorial	System displays blogger's information, which are profile picture, username, follower number, following number, email, and list of created tutorials with tutorial picture, title, owner username, and number of likes.

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Mobile System Test Case 17 (M-STC-17): Blogger can edit his/her own tutorial.

Description

System testing for M-URS-17: The user edits his/her own tutorial.

Prerequisite

- Blogger's tutorial "Handmade Bracelet" must be already added into Tutorial table.

Test Script

1. Blogger clicks profile link.
2. System goes profile page.
3. System displays blogger's information and tutorials.
4. Blogger selects a tutorial that he/she wants to edit.
5. System provides editable fields for blogger to edit tutorial information.
6. Blogger inputs new tutorial information.
7. Blogger clicks save.
8. System updates new tutorial information into database.

Test Cases

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> • Tutorial picture should be in .png/.jpg file. • Title should not be over 20 characters. • Provided category must be selected. • Material picture should be in .png/.jpg file. • Material description should not be over 500 characters. • Step should be number 1-10 • Step picture should be in .png/.jpg file. 	Tutorial picture: "IMG_tutorial2.jpg" Title: "DIY Bracelet" Category: "Outfit" Material picture: "IMG_material2.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color" Step: "2" Step1 picture: "IMG_step1.jpg" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Step2 picture: "IMG_step2.jpg" Step2 description: "Now it's time to decorate!" Video: "VDO_tutorial.mov"	System updates new information into Tutorial table.

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	<p>.png/.jpg file.</p> <ul style="list-style-type: none"> Step description should not be over 500 characters. Video should be in .mov file. 		
2	Input wrong picture format	<p>Tutorial picture: “IMG_tutorial2.pptx” Title: “DIY Bracelet” Category: “Outfit” Material picture: “IMG_material2.pptx” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color” Step: “2” Step1 picture: “IMG_step1.pptx” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Step2 picture: “IMG_step2.pptx” Step2 description: “Now it’s time to decorate!” Video: “VDO_tutorial.mov”</p>	Error message, “The picture must be .png/.jpg file.”
3	Input title more than 20 characters	<p>Tutorial picture: “IMG_tutorial2.jpg” Title: “DIY Bracelet xxxxxxxxxxxxxxxxxxxx” Category: “Outfit” Material picture: “IMG_material2.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color” Step: “2” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your</p>	Error message, “The title should be between 1-20 characters.”

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		wrist.” Step2 picture: “IMG_step2.jpg” Step2 description: “Now it’s time to decorate!” Video: “VDO_tutorial.mov”	
4	Leave category blank	Tutorial picture: “IMG_tutorial2.jpg” Title: “DIY Bracelet” Category: - Material picture: “IMG_material2.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color” Step: “2” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.” Step2 picture: “IMG_step2.jpg” Step2 description: “Now it’s time to decorate!” Video: “VDO_tutorial.mov”	Error message, “Please select a category.”
5	Input description more than 500 characters	Tutorial picture: “IMG_tutorial2.jpg” Title: “DIY Bracelet” Category: “Outfit” Material picture: “IMG_material2.jpg” Material description: “1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color” Step: “2” Step1 picture: “IMG_step1.jpg” Step1 description: “Cut the rope to have the length as long as it can be out around your wrist.”	Error message, “The description should be between 1-500 characters.”

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		Video: "VDO_tutorial.mov"	
7	Leave step blank	Tutorial picture: "IMG_tutorial2.jpg" Title: "DIY Bracelet" Category: "Outfit" Material picture: "IMG_material2.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color" Step: - Step1 picture: "IMG_step1.jpg" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Step2 picture: "IMG_step2.jpg" Step2 description: "Now it's time to decorate!" Video: "VDO_tutorial.mov"	Error message, "Please input number of step."
8	Input wrong video format	Tutorial picture: "IMG_tutorial2.jpg" Title: "DIY Bracelet" Category: "Outfit" Material picture: "IMG_material2.jpg" Material description: "1.Rope 2.Glue 3.Scissor 4.Glitter 5.Pin 6.Color" Step: "2" Step1 picture: "IMG_step1.jpg" Step1 description: "Cut the rope to have the length as long as it can be out around your wrist." Step2 picture: "IMG_step2.jpg" Step2 description: "Now it's time to decorate!" Video: "VDO_tutorial.m4a"	Error message, "The video must be .mov file."

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9	Leave some fields blank	Tutorial picture: “IMG_tutorial2.jpg” Title: - Category: “Outfit” Material picture: - Material description: - Step: “2” Step1 picture: “IMG_step1.jpg” Step1 description: - Step2 picture: “IMG_step2.jpg” Step2 description: “Now it’s time to decorate!” Video: “VDO_tutorial.mov”	Error message, “Please fill all information, don’t leave blank.”
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Mobile System Test Case 18 (M-STC-18): Blogger can delete his/her own tutorial.

Description

System testing for M-URS-18: The user deletes his/her own tutorial.

Prerequisite

- Blogger's tutorial "Handmade Bracelet" must be already added into Tutorial table.

Test Script

1. Blogger clicks profile link.
2. System goes profile page.
3. System displays blogger's information and tutorials.
4. Blogger selects a tutorial that he/she wants to edit.
5. System provides edit tutorial interface.
6. Blogger clicks delete tutorial.
7. System deletes the tutorial from database.

Test Cases

ID	Description	Input	Expected Result
1	Select delete tutorial link to make sure that the system is able to delete the tutorial from database.	Tab "Delete tutorial"	System removes the tutorial from Tutorial table.

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Mobile System Test Case 19 (M-STC-19): Blogger can see shops by random.**Description**

System testing for M-URS-19: The user randomly sees shops that exist in database.

Prerequisite

- Shop “Shop01” must be already added into Shop table.
- Shop “Shop02” must be already added into Shop table.
- Shop “Shop03” must be already added into Shop table.

Test Script

1. Blogger goes to shop page.
2. System displays list of shops that exist in database randomly.

Test Cases

ID	Description	Input	Expected Result
1	Select “Shop” link on menu page to explore shops, which will be shown randomly.	Tab “Shop”	System displays list of shops with shop picture, shop name randomly.

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Mobile System Test Case 20 (M-STC-20): Blogger can see shops by categories.**Description**

System testing for M-URS-20: The user sees shops that exist in database by choosing a category.

Prerequisite

- Shop “Shop01” must be already added into Shop table.
- Shop “Shop02” must be already added into Shop table.
- Shop “Shop03” must be already added into Shop table.

Test Script

1. Blogger goes to Shop page.
2. Blogger selects shop category link.
3. System displays shop categories.
4. Blogger selects a category.
5. System displays list of shops that exist in the category.

Test Cases

ID	Description	Input	Expected Result
1	Select “Fabric” link to make sure that the system can show tutorials from outfit category.	“Fabric”	System displays list of shops with shop picture, shop name from fabric category.
2	Select “Accessory” link to make sure that the system can show shops from accessory category.	“Accessory”	System displays list of shops with shop picture, shop name from accessory category.
3	Select “Wood” link to make sure that the system can show shops from gift category.	“Wood”	System displays list of shops with shop picture, shop name from wood category.
4	Select “Stationary” link to make sure that the system can show shops from kid category.	“Stationary”	System displays list of shops with shop picture, shop name from stationary category.
5	Select “Container” link to make sure that the system can show shops from garden category.	“Container”	System displays list of shops with shop picture, shop name from container category.

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6	Select “Other” link to make sure that the system can show shops from other category.	“Other”	System displays list of shops with shop picture, shop name from other category.
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Mobile System Test Case 21 (M-STC-21): Blogger can see shops by searching.

Description

System testing for M-URS-21: The user search shop’s name that exist in database by inputting a keyword.

Prerequisite

- Shop “Shop01” must be already added into Shop table.
- Shop “Shop02” must be already added into Shop table.
- Shop “Shop03” must be already added into Shop table.

Test Script

1. Blogger input a character/keyword into the search box.
2. System displays tutorials that contain the character/keyword.

Test Cases

ID	Description	Input	Expected Result
1	Input a keyword that is contained in tutorial.	“Shop01”	System displays list of shops with shop picture, shop name that contain the word “Shop01”
2	Input a character that is contained in tutorial.	“S”	System displays list of shops with shop picture, shop name that contain the character “S”
3	Input a character that does not contained in tutorial.	“Z”	Error message, “No result.”

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Mobile System Test Case 22 (M-STC-22): Blogger can see shop detail.

Description

System testing for M-URS-22: The user sees selected shop information.

Prerequisite

- Shop “Shop01” must be already added into Shop table.
- Shop “Shop02” must be already added into Shop table.
- Shop “Shop03” must be already added into Shop table.

Test Script

1. Blogger clicks shop link.
2. System goes shop detail page.
3. System displays shop’s information.

Test Cases

ID	Description	Input	Expected Result
1	Select “Shop01” link to make sure that the system can redirect to shop detail page.	Tab “Shop01”	System displays Shop01’s information, which are shop name, shopkeeper username, branch, telephone number, information, pictures, and shop’s location.

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Mobile System Test Case 23 (M-STC-23): Shopkeeper can create his/her own shop.

Description

System testing for M-URS-23: The user creates his/her own shop, which includes shop detail.

Prerequisite

- Shopkeeper has logged in.

Test Script

1. Shopkeeper clicks create shop link.
2. System goes to create shop page.
3. System provides creating shop fields for shopkeeper to input shop information.
4. Shopkeeper inputs shop information.
5. Shopkeeper clicks done.
6. System saves shop information into database.

Test Cases

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> • Shop picture should be in .png/.jpg file. • Shop name should not be over 20 characters. • Provided category must be selected. • Branch should not be over 20 characters. • Telephone number should be in 10 digits number. • Information should not be over 500 characters. • Picture should be in .png/.jpg file. 	Shop picture: "IMG_shop.jpg" Shop name: "ABC shop" Category: "Stationary" Branch: "Chiang mai" Telephone number: "053111222" Information: "Welcome to ABC shop! We sale stationaries." Picture: "IMG_ABCshop1.jpg" Location: " "	System saves information into Shop table.

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2	Input wrong picture format	Shop picture: "IMG_shop.pdf" Shop name: "ABC shop" Category: "Stationary" Branch: "Chiang mai" Telephone number: "053111222" Information: "Welcome to ABC shop! We sale stationaries." Picture: "IMG_ABCshop1.pptx" Location: " "	Error message, "The picture must be .png/.jpg file."
3	Input shop name more than 20 characters	Shop picture: "IMG_shop.jpg" Shop name: "ABC shopssssssssssssssss" Category: "Stationary" Branch: "Chiang mai" Telephone number: "053111222" Information: "Welcome to ABC shop! We sale stationaries." Picture: "IMG_ABCshop1.jpg" Location: " "	Error message, "The shop name should be between 1-20 characters."
4	Leave category blank	Shop picture: "IMG_shop.jpg" Shop name: "ABC shop" Category: " " Branch: "Chiang mai" Telephone number: "053111222" Information: "Welcome to ABC shop! We sale stationaries." Picture: "IMG_ABCshop1.jpg" Location: " "	Error message, "Please select a category."

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5	Input branch more than 20 characters	Shop picture: "IMG_shop.jpg" Shop name: "ABC shop" Category: "Stationary" Branch: "Chiang mai aaaaaaaaaaaaaaaaaaaaaaa " Telephone number: "053111222" Information: "Welcome to ABC shop! We sale stationaries." Picture: "IMG_ABCshop1.jpg" Location: " "	Error message, "The branch should be between 1-20 characters."
6	Input telephone number more than 10 digits.	Shop picture: "IMG_shop.jpg" Shop name: "ABC shop" Category: "Stationary" Branch: "Chiang mai" Telephone number: "05311122200000000" Information: "Welcome to ABC shop! We sale stationaries." Picture: "IMG_ABCshop1.jpg" Location: " "	Error message, "The telephone number should be in 10 digits."

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8	Leave some fields blank	Shop picture: “IMG_shop.jpg” Shop name: “ ” Category: “Stationary” Branch: “Chiang mai” Telephone number: “ ” Information: “Welcome to ABC shop! We sale stationaries.” Picture: “IMG_ABCshop1.jpg” Location: “ ”	Error message, “Please fill all information, don’t leave blank.”
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Mobile System Test Case 24 (M-STC-24): Shopkeeper can see his/her own shops.

Description

System testing for M-URS-24: The user sees detail of his/her own shop.

Prerequisite

- Shopkeeper’s tutorial “Shop01” must be already added into Shop table.

Test Script

1. Shopkeeper clicks profile link.
2. System goes profile page.
3. System displays shopkeeper’s information and shops.

Test Cases

ID	Description	Input	Expected Result
1	Select profile link to make sure that the system can redirect to shopkeeper’s profile page.	Tab “Shop01” tutorial	System displays blogger’s information, which are shop picture, shop name, category, branch, telephone number, information, pictures, and location.

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Mobile System Test Case 25 (M-STC-25): Shopkeeper can edit his/her own shop.**Description**

System testing for M-URS-25: The user edits detail of his/her own shop.

Prerequisite

- Shopkeeper has logged in.
- Shopkeeper has created a shop.

Test Script

1. Shopkeeper clicks profile link.
2. System goes profile page.
3. System displays shopkeeper's information and shops.
4. Shopkeeper selects a shop that he/she wants to edit.
5. System provides editable fields for shopkeeper to edit shop information.
6. Shopkeeper inputs new tutorial information.
7. Shopkeeper clicks save.
8. System updates new shop information into database.

Test Cases

ID	Description	Input	Expected Result
1	Input correct format information <ul style="list-style-type: none"> • Shop picture should be in .png/.jpg file. • Shop name should not be over 20 characters. • Provided category must be selected. • Branch should not be over 20 characters. • Telephone number should be in 10 digits number. • Information should not be over 500 characters. • Picture should be in .png/.jpg file. 	Shop picture: "IMG_shop2.jpg" Shop name: "ABC shop 555" Category: "Fabric" Branch: "Bangkok" Telephone number: "0815556677" Information: "Welcome to ABC shop 555! We sale fabrics." Picture: "IMG_ABCshop1.jpg", "IMG_ABCshop2.jpg" Location: " "	System saves information into Shop table.

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2	Input wrong picture format	Shop picture: "IMG_shop2.pdf" Shop name: "ABC shop 555" Category: "Fabric" Branch: "Bangkok" Telephone number: "0815556677" Information: "Welcome to ABC shop 555! We sale fabrics." Picture: "IMG_ABCshop1.pptx", "IMG_ABCshop2.jpg" Location: " "	Error message, "The picture must be .png/.jpg file."
3	Input shop name more than 20 characters	Shop picture: "IMG_shop2.jpg" Shop name: "ABC shopssssssssssssssss" Category: "Fabric" Branch: "Bangkok" Telephone number: "0815556677" Information: "Welcome to ABC shop 555! We sale fabrics." Picture: "IMG_ABCshop1.jpg", "IMG_ABCshop2.jpg" Location: " "	Error message, "The shop name should be between 1-20 characters."

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4	Leave category blank	Shop picture: "IMG_shop2.jpg" Shop name: "ABC shop 555" Category: " " Branch: "Bangkok" Telephone number: "0815556677" Information: "Welcome to ABC shop 555! We sale fabrics." Picture: "IMG_ABCshop1.jpg", "IMG_ABCshop2.jpg" Location: " "	Error message, "Please select a category."
5	Input branch more than 20 characters	Shop picture: "IMG_shop2.jpg" Shop name: "ABC shop 555" Category: "Fabric" Branch: "Bangkok kkkkkkkkkkkkkkkkkkkkkkkk kkkk" Telephone number: "0815556677" Information: "Welcome to ABC shop 555! We sale fabrics." Picture: "IMG_ABCshop1.jpg", "IMG_ABCshop2.jpg" Location: " "	Error message, "The branch should be between 1-20 characters."

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6	Input telephone number more than 10 digits.	Shop picture: "IMG_shop2.jpg" Shop name: "ABC shop 555" Category: "Fabric" Branch: "Bangkok" Telephone number: "0815556677000000000000" Information: "Welcome to ABC shop 555! We sale fabrics." Picture: "IMG_ABCshop1.jpg", "IMG_ABCshop2.jpg" Location: " "	Error message, "The telephone number should be in 10 digits."
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8	Leave some fields blank	Shop picture: “IMG_shop2.jpg” Shop name: “ ” Category: “Fabric” Branch: “Bangkok” Telephone number: “0815556677” Information: “ ” Picture: “IMG_ABCshop1.jpg”, “IMG_ABCshop2.jpg” Location: “ ”	Error message, “Please fill all information, don’t leave blank.”
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Mobile System Test Case 26 (M-STC-26): Shopkeeper can delete his/her own shop.

Description

System testing for M-URS-26: The user deletes his/her own shop.

Prerequisite

- Shopkeeper’s shop “Shop01” must be already added into Shop table.

Test Script

1. Shopkeeper clicks profile link.
2. System goes to profile page.
3. System displays shopkeeper’s information and shops.
4. Shopkeeper selects a shop that he/she wants to edit.
5. System provides edit shop interface.
6. Shopkeeper clicks delete shop.
7. System deletes the shop from database.

Test Cases

ID	Description	Input	Expected Result
1	Select delete shop link to make sure that the system is able to delete the shop from database.	Tab “Delete shop”	System removes the shop from Shop table.

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Mobile System Test Case 27 (M-STC-27): Blogger can see shops around his/her area.

Description

System testing for M-URS-27: The user sees near by shops' location on Google Map.

Prerequisite

- Shopkeeper's shop "Shop01" must be already added into Shop table.

Test Script

1. Shopkeeper clicks around me link.
2. System goes to around me page.
3. System connects to Google Map.
4. System gets shops' location from database.
5. System shows location of shops near by.

Test Cases

ID	Description	Input	Expected Result
1	Select around me link to make sure that the system is able to direct to around me page and connect to Google Map.	Tab "Around Me"	System shows shops around blogger's area on Google Map.

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Mobile System Test Case 28 (M-STC-28): Blogger and shopkeeper can see shop's location on Google Map.

Description

System testing for M-URS-28: The user sees shop's location on Google Map.

Prerequisite

- Shopkeeper's shop "Shop01" must be already added into Shop table.

Test Script

1. Blogger clicks shop link.
2. System goes shop detail page.
3. System displays shop's information.
4. Blogger clicks location link.
5. System goes to location page.
6. System connects to Google Map.
7. System gets shop's location from database.
8. System shows the exact location of the shop on Google Map.

Test Cases

ID	Description	Input	Expected Result
1	Select location link to make sure that the system is able to direct to location page of the shop and connect to Google Map.	Tab "location"	System shows the exact location of the shop on Google Map.

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Mobile System Test Case 29 (M-STC-29): Shopkeeper can add his/her shop's location on Google Map.

Description

System testing for M-URS-29: The user identifies his/her shop's location on Google Map.

Prerequisite

- Shopkeeper is performing creating or editing shop process.

Test Script

1. Shopkeeper performs create/edit shop process.
2. System goes to create/edit shop page.
3. System provides creating/editing shop fields for shopkeeper to input shop information.
4. Shopkeeper clicks location link.
5. System goes to location page.
6. System connects to Google Map.
7. Shopkeeper identifies the shop location on Google Map.
8. Shopkeeper clicks done/save.
9. System saves shop location into database.

Test Cases

ID	Description	Input	Expected Result
1	Select location link to make sure that the system is able to direct to location page of the shop and connect to Google Map.	Tab "location"	System shows Google Map user interface.
2	Input correct format information <ul style="list-style-type: none"> • Latitude number must be in six decimal places. • Longitude number must be in six decimal places. 	Latitude: "13.234567" Longitude: "100.765432"	System shows the position on Google Map.
3	Select done/save link to add the shop location into database.	Tab "Done" or "Save"	System saves shop location into Shop table.

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Mobile System Test Case 30 (M-STC-30): Visitor, blogger, and shopkeeper can see comments on tutorial.

Description

System testing for M-URS-30: The user sees comments on tutorial.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Visitor/Blogger/Shopkeeper clicks tutorial link.
2. System goes tutorial detail page.
3. System displays tutorial’s information.

Test Cases

ID	Description	Input	Expected Result
1	Select “Tutorial01” link to make sure that the system can redirect to tutorial detail page.	Click “Tutorial01”	System displays Tutorial01’s information, which are title, owner username, number of likes, category, material description, material picture, step description, step picture, video, and comments.

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Mobile System Test Case 31 (M-STC-31): Blogger can add comments on tutorial.

Description

System testing for M-URS-31: The user adds comments on tutorial.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger clicks tutorial link.
2. System goes tutorial detail page.
3. System displays tutorial's information.
4. Blogger inputs comment on the provided comment box.
5. Blogger clicks comment button to submit the comment.
6. System displays the submitted comment on the tutorial.

Test Cases

ID	Description	Input	Expected Result
1	Input comment, which has length of 1-500 characters.	"Awesome tutorial!"	System displays the submitted comment on the tutorial.
2	Input comment, which has length of more than 500 characters.	“aaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa aaaaaaaaaaaaaaaaaaaaaaaaaaaa”	Error message, “The comment should be between 1-500 characters.”

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Mobile System Test Case 32 (M-STC-32): Blogger can increase like number by one on a tutorial.

Description

System testing for M-URS-32: The user likes a tutorial.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger clicks like button on the tutorial.
2. System increase like number of the tutorial by one.
3. System displays the updated like number of the tutorial.

Test Cases

ID	Description	Input	Expected Result
1	Click like button in order to increase the like number of a certain tutorial.	Click like button	Like number of the tutorial increased by one.

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Mobile System Test Case 33 (M-STC-33): Blogger can decrease like number by one on a tutorial.

Description

System testing for M-URS-33: The user undo likes from the liked tutorial.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Blogger clicks liked button on the tutorial.
2. System decrease like number of the tutorial by one.
3. System displays the updated like number of the tutorial.

Test Cases

ID	Description	Input	Expected Result
1	Click liked button in order to decrease the like number of a certain tutorial.	Click liked button	Like number of the tutorial decreased by one.

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Mobile System Test Case 34 (M-STC-34): Blogger can follow other bloggers in order to get new tutorial posts from those bloggers.

Description

System testing for M-URS-34: The user follows other bloggers.

Prerequisite

- Blogger “Blogger01” must be already added into Member table.
- Blogger “Blogger02” must be already added into Member table.

Test Script

1. Blogger goes to another blogger’s profile
2. System displays the selected blogger’s information.
3. Blogger clicks follow button on the selected blogger’s profile.
4. System changes the follow button into followed button.
5. System allows the blogger to get new tutorial posts from the selected blogger.

Test Cases

ID	Description	Input	Expected Result
1	Click follow button in order to get new tutorial posts from the selected blogger.	Click follow button	Follow button change into followed button.

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Mobile System Test Case 35 (M-STC-35): Blogger can undo follow other bloggers in order to cancel getting new tutorial posts from those bloggers.

Description

System testing for M-URS-35: The user undo follows from the followed bloggers.

Prerequisite

- Blogger “Blogger01” must be already added into Member table.
- Blogger “Blogger02” must be already added into Member table.
- The blogger (user) has followed Blogger01

Test Script

1. Blogger goes to another blogger’s profile
2. System displays the selected blogger’s information.
3. Blogger clicks followed button on the selected blogger’s profile.
4. System changes the followed button into follow button.
5. System cancels the blogger from getting new tutorial posts from the selected blogger.

Test Cases

ID	Description	Input	Expected Result
1	Click followed button in order to cancels from getting new tutorial posts from the selected blogger.	Click followed button	Followed button change into follow button.

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Mobile System Test Case 36 (M-STC-36): Blogger can see list of the bloggers whom the blogger is following.

Description

System testing for M-URS-36: The user sees list of bloggers whom the user is following.

Prerequisite

- Blogger “Blogger01” must be already added into Member table.
- Blogger “Blogger02” must be already added into Member table.
- Blogger (user) followed Blogger01.
- Blogger (user) followed Blogger02.

Test Script

1. Blogger goes to his/her own profile page.
2. System displays the blogger’s information.
3. Blogger clicks following link.
4. System shows list of the blogger whom the blogger is following.

Test Cases

ID	Description	Input	Expected Result
1	Click following link in order to see whom the blogger has been following.	Click following link	List of the bloggers whom the blogger is following.

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Mobile System Test Case 37 (M-STC-37): Blogger can see list of the bloggers are following the blogger.

Description

System testing for M-URS-37: The user sees list of bloggers who follows the user.

Prerequisite

- Blogger “Blogger01” must be already added into Registered user table.
- Blogger “Blogger02” must be already added into Registered user table.
- Blogger01 has followed the blogger (user).
- Blogger02 has followed the blogger (user).

Test Script

1. Blogger goes to his/her own profile page.
2. System displays the blogger’s information.
3. Blogger clicks follower link.
4. System shows list of the blogger who follows the blogger (user).

Test Cases

ID	Description	Input	Expected Result
1	Click follower link in order to see who followed the blogger.	Click follower link	List of the bloggers who followed the blogger.

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Mobile System Test Case 39 (M-STC-39): Blogger/Shopkeeper can receive private message from shopkeeper/blogger.

Description

System testing for M-URS-39: The user receives private message.

Prerequisite

- Blogger “Blogger01” must be already added into Member table.
- Blogger “Blogger02” must be already added into Member table.
- Shopkeeper “Shopkeeper01” must be already added into Member table.

Test Script

1. Blogger/Shopkeeper goes to shopkeeper’s profile page.
2. System displays the selected shopkeeper/blogger’s information.
3. Blogger/Shopkeeper clicks message link.
4. System goes to private message between the blogger and the shopkeeper page.

Test Cases

ID	Description	Input	Expected Result
1	Select a conversation link in order to see the message that has been received from the shopkeeper/blogger.	Click the conversation link	The received messages from the shopkeeper/blogger are displayed on the conversation page.

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Mobile System Test Case 40 (W-STC-40): Blogger/Shopkeeper can see list of shopkeepers/bloggers that the blogger/shopkeeper has been communicate with.

Description

System testing for W-URS-40: The user sees list of people that has been communicated with.

Prerequisite

- Blogger “Blogger01” must be already added into Member table.
- Blogger “Blogger02” must be already added into Member table.
- Shopkeeper “Shopkeeper01” must be already added into Member table.
- Blogger01 and Shopkeeper01 has been sending messages to each other.

Test Script

1. Blogger/Shopkeeper goes to message page.
2. System displays list of conversations of shopkeepers/blogger that the user has been communicate with.

Test Cases

ID	Description	Input	Expected Result
1	Select message link in order to see the conversations that has been made between the blogger (user) and shopkeepers.	Click message link	System displays conversations that have been made between the blogger (user) and shopkeepers, which includes date and time, shopkeeper picture and shopkeeper username.

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Mobile System Test Case 41 (M-STC-41): Visitor, blogger, and shopkeeper can share a tutorial on his/her Facebook wall.

Description

System testing for M-URS-41: The user shares tutorial to Facebook.

Prerequisite

- Tutorial “Tutorial01” must be already added into Tutorial table.
- Tutorial “Tutorial02” must be already added into Tutorial table.
- Tutorial “Tutorial03” must be already added into Tutorial table.

Test Script

1. Visitor/Blogger/Shopkeeper clicks tutorial link.
2. System goes tutorial detail page.
3. System displays tutorial’s information.
4. Visitor/Blogger/Shopkeeper clicks Facebook share link.
5. System access Facebook account from the web browser.
6. System posts the tutorial on visitor/blogger Facebook wall.

Test Cases

ID	Description	Input	Expected Result
1	Select Facebook share link to share the selected tutorial on visitor/blogger/shopkeeper Facebook wall.	Click Facebook share link	System posts the tutorial on visitor/blogger/shopkeeper Facebook wall.

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Mobile System Test Case 42 (M-STC-42): Shopkeeper can see list of exist blogger by searching.

Description

System testing for M-URS-42: The user sees bloggers that exist in database by searching, and M-URS-43: The user sees list of searched bloggers.

Prerequisite

- Blogger “Blogger01” must be already added into Registered user table.
- Blogger “Blogger02” must be already added into Registered user table.

Test Script

1. Shopkeeper input a character/keyword into the search box.
2. System displays list of bloggers that contain the character/keyword on their username.

Test Cases

ID	Description	Input	Expected Result
1	Input a keyword that is contained in blogger's username.	“Blogger01”	System displays list of tutorials with blogger's profile picture and username that contain the word “Blogger01”
2	Input a character that is contained in blogger's username.	“B”	System displays list of tutorials with blogger's profile picture and username that contain the character “B”
3	Input a character that does not contained in blogger's username.	“Z”	Error message, “No result.”

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Mobile System Test Case 43 (M-STC-43): Visitor/Blogger/Shopkeeper can see other bloggers' profile.

Description

System testing for M-URS-44: The user sees blogger's profile.

Prerequisite

- Blogger "Blogger01" must be already added into Registered user table.
- Blogger "Blogger02" must be already added into Registered user table.

Test Script

1. Visitor/Blogger/Shopkeeper selects a blogger that wants to view his/her profile.
2. System displays the selected blogger's information, which are blogger's profile picture, username, follower number, following number, email, and list of tutorials that the blogger has created with tutorial picture, title, owner username, and number of likes.

Test Cases

ID	Description	Input	Expected Result
1	Select blogger link to make sure that the system can redirect to the selected blogger's profile page.	Tab on blogger's username	System displays blogger's information, which are profile picture, username, follower number, following number, email, and list of created tutorials with tutorial picture, title, owner username, and number of likes.

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Mobile System Test Case 44 (M-STC-44): Blogger can see list of new activities that has happened with the user.

Description

System testing for M-URS-45: The user sees list of notifications when there is new like, comment, or follower.

Prerequisite

- A blogger has liked a tutorial of the user.
- A blogger has commented on a tutorial of the user.
- A blogger has followed the user.

Test Script

1. Blogger goes to notification page.
2. System displays list of new activities, which are like, comment and follow, including the username of the blogger that has interacted with the user.

Test Cases

ID	Description	Input	Expected Result
1	Select notification link to make sure that the system can redirect to notification page and display list of new activities.	Tab on notification link	System displays list of new activities, which are like, comment, follow that has happened with the user.

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Mobile System Test Case 45 (M-STC-45): Blogger can select an activity and go to the page where the activity happened.

Description

System testing for M-URS-46: The user goes to the activity that has been notified.

Prerequisite

- A blogger has liked a tutorial of the user.
- A blogger has commented on a tutorial of the user.
- A blogger has followed the user.

Test Script

1. Blogger goes to notification page.
2. System displays list of new activities, which are like, comment and follow, including the username of the blogger that has interacted with the user.
3. Blogger select an activity.
4. System goes to the page where the selected activity has happened.

Test Cases

ID	Description	Input	Expected Result
1	Select a like activity	Tab on like activity link	System goes to liked tutorial page, and remove the activity from the notification list.
2	Select a comment activity	Tab on comment activity link	System goes to commented tutorial page, and remove the activity from the notification list.
3	Select a follow activity	Tab on follow activity link	System goes to the user's profile page, and remove the activity from the notification list.

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