

Spotifood

Test plan

By

Mr. Kittinut Saengsri 592115003

Mr. Sirisak Wongwal 592115031

Department of Software Engineering
College of Arts, Media, and Technology
Chiang Mai University

Project Advisor

Dr. Passakorn Phannachitta

Document History

Document name	Version	Status	Date	Viewable	Editable	Responsible
Spotifood_TestPlan_v0.1	- Add chapter one - Add chapter two - Add chapter three - Add chapter four	Draft	07/10/2019	SW, KS, PP	SW, KS	SW, KS
Spotifood_TestPlan_v1.0	- Update chapter one - Update chapter two - Update chapter three - Update chapter four	Draft	07/29/2019	SW, KS, PP	SW, KS	SW, KS

*SW = Sirisak Wongwal

*KS = Kittinut Saengsri

*PP = Dr.Passakorn Phannachitta

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	2
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

Table of Contents

Chapter 1 Introduction.....	4
1.1 Identification.....	4
1.2 Project Overview.....	4
1.2.1 Purpose	4
1.2.2 Scope.....	4
1.3 Acronyms and Definitions	5
1.3.1 Acronyms	5
Chapter Two Test Procedure.....	6
2.1 Test Objectives	6
2.2 Test Duration Progress Date and Duration	6
2.3 Test Responsibility Item Responsibility.....	6
2.4 Test Strategy Spotifood performed testing strategy by the following steps:	6
2.5 Result of Testing The results are separated into two parts:	7
Chapter Three Unit Test.....	7
2.1 Data schema.....	16
2.2 Data dictionary	17
CHAPTER FOUR APPENDIX.....	18
4.1 Appendix1	18
4.2 Appendix2	18

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	3
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

Chapter 1 | Introduction

1.1 Identification

This Project Management Plan is the document for planning, scheduling activities and evaluating overall of the project so that it could complete successfully despite all the risks. It provides detailed scheduled, assigned task and identified risks of the project.

1.2 Project Overview

The Spotifood application will guide people find their new dish and help people who are interested in cooking and people who have cooking skill by suggesting the dishes from a word that people search. The AI system will suggest a dish from the personality of people. For example, The people regularly search steamed fish with herbs dish. The AI system will analyze the ingredient tag of dish that is related to the healthy tag. Then, the AI will suggest the people in the type of healthy dishes.

The suggest dish of AI will help those people found new dishes and challenging in cooking every day that makes people not disconnected and bored to cooking. Moreover, we will be a middleman that brings trader of ingredient to people who can't find the ingredients in any food. The Spotifood help people to buy an ingredient. And the Spotifood will suggest a dish that is similar to personality or suggests from the behavior of people.

1.2.1 Purpose

The main purpose of developing the Spotifood is to help the people who are interested in cooking and who already have skills not bored with cooking or disconnected to prepare the food.

1.2.2 Scope

There are six major parts in Spotifood.

Feature #1: Authentication

Feature #2: Content CRUD

Feature #3: User management

Feature #4: Similar dishes identification

Feature #5: Personalization

Feature #6: ADS ingrediente

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	4
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

1.3 Acronyms and Definitions

1.3.1 Acronyms

UC	Use Case
URS	User Requirement Specification
CRUD	Create-Read-Update-Delete
ADS	Advertising
ID	Identification Data
UT	Unit Test

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	5
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

Chapter Two | Test Procedure

2.1 Test Objectives

The objectives of Spotifood System are

1. Identify the faults – Finding the fault which caused the failure.
2. Correct and remove the faults – Fixing errors and remove faults.
3. Ensure that all functionalities are implemented correctly.

2.2 Test Duration Progress Date and Duration

Progress I Perform date: 07/10/2019 Duration days: 07/29/2019

2.3 Test Responsibility Item Responsibility

Unit test	SW,KS
Record unit test	SW,KS
System test	SW,KS
Record of system test	SW,KS

2.4 Test Strategy Spotifood performed testing strategy by the following steps:

1. Design test cases
2. Prepare test data
3. Determine the expected result
4. Perform testing
5. Record all results

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	6
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

2.5 Result of Testing The results are separated into two parts:

1. Actual result: The actual results after testing
2. Pass/ Fail result:
 - a. Pass: The actual result which matches with the expected result.
 - b. Fail: The actual result does not match with the expected result.

Chapter Three | Unit Test

Unit Test ID: UT01

Function: signUp

signupForm(name: String, email: String, password: String, dob: String, gender: String)

Prepared data in the database: Appendix1

Test by: Sirisak Wongwal

No.	Description	Input	Expected Return
		General user	
1	All parameters valid form in the database.	{email: " zmack_tem2@hotmail.com ", password: "temhere123", name: "Kittinut Saengsri", dob: "19/09/1997", gender: "male"}	"Register successfully created. Please Sign In"
2	The account has already in the database.	{email: " zmack_tem@hotmail.com ", password: "temhere123", name: "Kittinut Saengsri", dob: "19/09/1997", gender: "male"}	"Email is taken"
3	The password field is empty.	{email: " zmack_tem2@hotmail.com ", password: "temhere123", name: "", dob: "19/09/1997", gender: "male"}	"Password is required"

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	7
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

4	The password field is invalid form.	{email: " zmack_tem2@hotmail.com ", password: "tem", name: "Kittinut Saengsri", dob: "19/09/1997", gender: "male"}	"Password must contain at least 6 characters"
---	-------------------------------------	---	---

Unit Test ID: UT02

Function: EditProfile

editUserForm(name: String, email: String, password: String, about: String)

Prepared data in the database: Appendix1

Test by: Kittinut Saengsri

No.	Description	Input	Expected Return
		Registered user	
1	All parameters valid form in the database and information in the database is changed.	{email: " zmack_tem@hotmail.com ", password: "temhere123", name: "Kittinut Saengsri", about: "Hello Kittinut Saengsri"}	Redirect to user's profile page
2	The email invalid format.	{email: " zmack_temhotmail.com ", password: "temhere123", name: "Kittinut Saengsri", about: "Hello Kittinut Saengsri"}	"Email must contain @"
3	The password field is not matched with email.	{email: " zmack_tem@hotmail.com ", password: "tem", name: "Kittinut Saengsri", about: "Hello Kittinut Saengsri"}	"Password must contain at least 6 characters"
4	The email field is empty.	{email: "", password: "temhere123", name: "Kittinut Saengsri", about: "Hello Kittinut Saengsri"}	"This email field can not empty"

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	8
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

Unit Test ID: UT03

Function: EditPost

editPostForm(title: String, body: String, bodys: String)

Prepared data in the database: Appendix2

Test by: Kittinut Saengsri

No.	Description	Input	Expected Return
		Registered user	
1	All parameters valid form in the database and information in the database is changed.	{title:"Omelet", body:"1. Egg 2. Olive oil", bodys: "1. Crack an egg into the bowl. 2. Mix egg together 3. Put it into the pan. 4. Flip when it looks good. 5. Then it ready to serve."}	Redirect the user to the user's profile page.
2	The post form is not correct format title is empty.	{title:"", body:"1. Egg 2. Olive oil", bodys: "1. Crack an egg into the bowl. 2. Mix egg together 3. Put it into the pan. 4. Flip when it looks good. 5. Then it ready to serve."}	"All fields are required"
3	The post form is not correct format body is empty.	{title:"Omelet", body:"", bodys: "1. Crack an egg into the bowl. 2. Mix egg together 3. Put it into the pan. 4. Flip when it looks good. 5. Then it ready to serve."}	"All fields are required"
4	The post form is not correct format bodys is empty.	{title:"Omelet", body:"1. Egg 2. Olive oil", bodys: ""}	"All fields are required"

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	9
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

Unit Test ID: UT04

Function: NewPost

newPostForm(title: String, body: String, bodys: String)

Prepared data in the database: Appendix2

Test by: Kittinut Saengsri

No.	Description	Input	Expected Return
		Registered user	
1	All parameters valid form in the database and post information in the database.	{title:"Omelet", body:"1. Egg 2. Olive oil", bodys: "1. Crack an egg into the bowl. 2. Mix egg together 3. Put it into the pan. 4. Flip when it looks good. 5. Then it ready to serve."}	Redirect the user to the user's profile page.
2	The post form is not correct format title is empty.	{title:"", body:"1. Egg 2. Olive oil", bodys: "1. Crack an egg into the bowl. 2. Mix egg together 3. Put it into the pan. 4. Flip when it looks good. 5. Then it ready to serve."}	"All fields are required"
3	The post form is not correct format body is empty.	{title:"Omelet", body:"", bodys: "1. Crack an egg into the bowl. 2. Mix egg together 3. Put it into the pan. 4. Flip when it looks good. 5. Then it ready to serve."}	"All fields are required"
4	The post form is not correct format bodys is empty.	{title:"Omelet", body:"1. Egg 2. Olive oil", bodys: ""}	"All fields are required"

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	10
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

Unit Test ID: UT05

Function: Signin

signinForm(email: String, password: String)

Prepared data in the database: Appendix1

Test by: Kittinut Saengsri

No.	Description	Input		Expected Return
		email	password	
1	The email and password are corrected in the database.	"zmack_tem@hotmail.com"	"temhere123"	Redirect the user to the homepage.
2	The email and password do not exist in the database.	"zmack_temhotmail.com"	"temhere123"	"User with that email does not exist. Please register"
3	The email and password do not exist in the database.	" "	"temhere123"	"User with that email does not exist. Please register"
4	The email and password do not exist in the database.	"zmack_tem@hotmail.com"	"temhere123456"	"Email and password do not match"

Unit Test ID: UT06

Function: Editprofile

handleChange(name: String, fileSize: int)

Prepared data in the database: Appendix1

Test by: Sirisak Wongwal

No.	Description	Input		Expected Return
		name	fileSize	
1	Set user data name and file size of photo.	"Kittinut Saengsri"	"0"	true
2	Set user data name and file size but not authorization .	" "	"0"	false

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	11
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

Unit Test ID: UT07

Function: Profile

read(userId: String, token: hashed_Password)

Prepared data in the database: Appendix3

Test by: Kitinut Saengsri

No.	Description	Input		Expected Return
		userId	hashed_Password	
1	User ID and token match.	"5d208546d6f6f23ee441c2fd"	"qiyh4XPJGsOZ2MEAyLkFWqeQ"	"redirectToSign: true"
2	User ID empty and token not empty.	" "	"qiyh4XPJGsOZ2MEAyLkFWqeQ"	"redirectToSign: false"
3	User ID not empty and token empty.	"5d208546d6f6f23ee441c2fd"	" "	"redirectToSign: false"

Unit Test ID: UT08

Function: apiUser

remove(userId, token)

Prepared data in the database: Appendix3

Test by: Sirisak Wongwal

No.	Description	Input		Expected Return
		userId	token	
1	Remove user in the database.	"5d208546d6f6f23ee441c2fd"	"855c3697d9979e78ac404c4ba2c66533"	Remove in the database.
2	Unauthorized user to remove the user.	" "	" "	Show error unauthorized.

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	12
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

Unit Test ID: UT09

Function: Signin

signinForm(email: String, password: String)

Prepared data in the database: Appendix1

Test by: Kitinut Saengsri

No.	Description	Input		Expected Return
		email	password	
1	Email and password match.	"zmacktem@hotmail.com"	"temhere123"	"redirectToReferer: true"
2	Email and password not match.	"zmacktem@hotmail.com"	"tem"	"redirectToReferer: false"
3	Email not empty and password empty.	"zmacktem@hotmail.com"	" "	"redirectToReferer: false"
4	Email empty and password not empty.	" "	"temhere123"	"redirectToReferer: false"

Unit Test ID: UT10

Function: Signup

signupForm(name: String, email: String, password: String, dob: String, gender: String)

Prepared data in the database: Appendix1

Test by: Kitinut Saengsri

No.	Description	Input	Expected Return
		signupForm	
1	Name, email, dob, gender not empty.	name: "Kitinut Saengsri" email: "zmack_tem@hotmail.com" dob: "1997/09/19"	Return true

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	13
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

		gender: "male"	
2	Name empty.	name: " email: "zmack_tem@hotmail.com" dob: "1997/09/19" gender: "male"	Return false
3	Email empty.	name: "Kittinut Saengsri" email: " dob: "1997/09/19" gender: "male"	Return false
4	Dob empty.	name: "Kittinut Saengsri" email: "zmack_tem@hotmail.com" dob: " gender: "male"	Return false
5	Gender empty.	name: "Kittinut Saengsri" email: "zmack_tem@hotmail.com" dob: "1997/09/19" gender: "	Return false

Unit Test ID: UT11

Function: apiPost

singlePost(postId)

Prepared data in the database: Appendix1

Test by: Kittinut Saengsri

No.	Description	Input	Expected Return
		postId	
1	Get post from postId in the database.	"5d319cc13f5b8b0fc4038e07"	Get post
2	Invalid postId to get post in the database.	"555555"	Return false

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	14
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

Unit Test ID: UT12

Function: apiPost

update(postId,post)

Prepared data in the database: Appendix1

Test by: Kitinut Saengsri

No.	Description	Input		Expected Return
		postId	post	
1	Update post information to the database.	"5d319cc13f5b8b0fc4038e07"	"Omelete(japan)"	Return true
2	Invalid postId to update post in the database.	"555555"	"Omelete(japan)"	Return false

Unit Test ID: UT13

Function: EditProfile

editUserForm(name: String, email: String, password: String, about: String)

Prepared data in the database: Appendix1

Test by: Kitinut Saengsri

No.	Description	Input	Expected Return
		signupForm	
1	Name, email, dob, gender not empty.	name: "Kittinut Saengsri" email: " zmack_tem@hotmail.com " password: "temhere123" about: "Hi Kittinut Saengsri"	Return true
2	About empty.	name: "Kittinut Saengsri" email: " zmack_tem@hotmail.com " password: "temhere123" about: ""	Return true
3	Email empty.	name: "Kittinut Saengsri" email: ""	Return false

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	15
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

		password: "temhere123" about: "Hi Kittinut Saengsri"	
4	Password empty.	name: "Kittinut Saengsri" email: " zmack_tem@hotmail.com " password: "" about: "Hi Kittinut Saengsri"	Return false

2.1 Data schema

```
{
  "General user" : {
    "Email" : String,
    "Password" : String
  },
  "Registered user" : {
    "user_id" : String,
    "Name" : String,
    "Email" : String,
    "Password" : String,
    "Gender" : String,
    "Dob" : String
  }
}
```

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	16
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

2.2 Data dictionary

Entity	Attribute	Data type	Description
General user	Email	String	The email of general user.
General user	Password	String	The password of general user.
Registered user	user_id	String	Unique identification of user.
Registered user	Name	String	The name of registered user.
Registered user	Email	String	The email of registered user.
Registered user	Password	String	The password of registered user.
Registered user	Gender	String	The gender of registered user.
Registered user	Dob	String	Date of birth of registered user.

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	17
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019

CHAPTER FOUR | APPENDIX

4.1 Appendix1

Authentication
{email: " zmack_tem@hotmail.com ", password: "temhere123", name: "Kittinut Saengsri", dob: "19/09/1997", gender: "male", hased_password: "qiyh4XPJGsOZ2MEAyLkfWqeQ", userid: "5d208546d6f6f23ee441c2fd", token: "855c3697d9979e78ac404c4ba2c66533", about: "Hi Kittinut Saengsri" }
" "

4.2 Appendix2

Post
{title:"Omelet", body:"1. Egg 2. Olive oil", bodys: "1. Crack an egg into the bowl. 2. Mix egg together 3. Put it into the pan. 4. Flip when it looks good. 5. Then it ready to serve." , postId: "5d319cc13f5b8b0fc4038e07"}
" "

Document Name	Spotifood_Testrecord_v1.0	Owner	SW,KS	Page	18
Document type	Test record	Release date	07/30/2019	Print date	07/30/2019