Spotifood

Software Requirement Specification

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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 ingredient

1.3 Work Product to be developed

1.3.1 Deliverable

No.	Deriverable/Release	Media	Copies	Date
1	Project proposal - Spotifood_proposal3	Hard copy	3	19/06/2019
2	Progress report I - Project management plan version 1.0 - Software requirement specification version 1.0 - Software design document version 1.0 - Test plan version 1.0 - Traceability record version 1.0 - Software version 0.1	Hard copy	3	29/07/2019

1.4 Acronyms and Definitions

1.4.1 Acronyms

UC	Use case
URS	User Requirement Specification
SRS	Software Requirement Specification
CRUD	Create-Read-Update-Delete
AI	Artificial Intelligence
ADS	Advertising
ID	Identification Data

CHAPTER 2 | Overall Description

2.1 Product Perspective

Spotifood contain two parts. First is web application and second is AI. Web application use for interaction. Then AI will retrieve data from web application and send back to web application again.

2.2 Product Function

Spotifood have five major parts.

- Authentication system

This feature is used for preventing the unwanted user to access some feature in the system.

- Content CRUD

User input ingredients and how-to-cook step in this form. Then the user shares their dish into the app page. And Feature is used to pin dishes(Dish that user interest and pin it) and user’s history dishes(Dish that user view it already).

- User management

This feature is used to show the dish details including ingredients and hot-to-cook step. And used to edit their personal information.

- Similar dish identification

Registered user search by name of the dish and show the dishes that similar to registered user searched.

- Personalization

This feature is used for suggestion a dish by type of food and word of dish that frequently searched.

- ADS ingredient

This function is used to help a registered user find ingredients that registered user can’t cook or main ingredients to use in the dishes. By using a sponsored ranking example, the shop that sold the ingredients is most popular or pay a lot to the system will show first. The shop info comes from website that we can contact shop allow to show.

2.3 User Characteristics

There are three types of users in Spotifood application: general, registered user, admin.

General users are the users of the web application. Which can use a few functions. That is register and sign in.

Registered users are the users of the web application. Which can use most of the functions. That is sign in, create post, edit profile, delete post, delete profile, and view dish.

Admins are the administrator of the web application. Admin can manage post and manage user.

CHAPTER 3 | USER REQUIREMENT SPECIFICATION

3.1 URS - Progress 1

Feature#1: Authentication system

USER: General user, Registered user

URS01 - User can register to the system by input email, password, name, date of birth, and gender.

URS02 - User can sign in to the system by input email and password.

URS03 - User can sign out of the system by sign out nav bar.

USER: Admin

URS04 - Admin can sign in into the system by input email and password.

URS05 - Admin can sign out of the system by sign out nav bar.

Feature#2: Content CRUD

USER: Registered user

URS06 - User can post the dish by input name of dishes, ingredients, how-to-cook of the dish, and thumbnail photos of the dish.

URS07 - User can delete the post of the dish.

URS08 - User can view a pin dish.

URS09 - User can view a history dish.

URS10 - User can select topic or type of food that user interested.

URS15 - User can edit their post.

Feature#3: User management

USER: Registered user

URS11 - User can view a dish that user want.

URS12 - User can update their name, about, email and password.

URS13 - User or upload and update their profile picture.

URS14 - User can update their personality of interesting food.

URS16 - User can view their profile page.

CHAPTER 4 | SOFTWARE REQUIREMENT SPECIFICATION

Use case

UC01: User can register to the system.

UC02: User can sign in to the system.

UC03: User can sign out of the system.

UC04: Admin can sign in to the system.

UC05: Admin can sign out of the system.

UC06: User can update their profile.

UC07: User can update their personality of interesting food.

UC08: Edit profile picture.

UC09: User can post the dish.

UC10: User can delete the posted dish.

UC11: User can like dish.

UC12: User can unlike dish.

UC13: User can view like dish

UC14: User can view history.

UC15: User can select topic.

UC16: User can view dish.

UC17: User can edit their post.

UC18: User can view profile page.

4.1 URS-SRS

Feature#1: Authentication system

URS01 - User can register to the system by input email, password, name, date of birth, and gender.

SRS-01: The system shall provide the user interface for receiving an email, password, name, and gender.

SRS-02: The system shall provide an error message “This field can not empty” when the textbox to empty.

SRS-03: The system shall provide a button to register.

SRS-04: The system shall validate the email, password, name, and gender of the user.

SRS-05: The system shall provide an error message “This [input] is incorrect format.” if input incorrect format of email, password, name, and gender.

SRS-06: The system shall provide an error message “This email already exists.” if the input email is already in database.

SRS-07: The system shall display a message “New account is successfully created. Please Sign In”.

SRS-66: The system shall update data in the database.

URS02 - User can sign in to the system by input email and password.

SRS-08: The system shall provide the user interface for receiving email and password.

SRS-09: The system shall provide a button to sign in.

SRS-10: The system shall validate the email and password.

SRS-11: The system shall provide an error message “Incorrect password” if email is existing but password does not match.

SRS-12: The system shall provide an error message “This email does not exist” if email does not exist in the database.

SRS-13: The system redirects user to homepage.

URS03 - User can sign out of the system by sign out button.

SRS-14: The system shall provide a button to sign out.

SRS-15: The system shall be logged out.

SRS-16: The system redirects user to the home page.

URS04 - Admin can sign in into the system by input email and password.

SRS-17: The system shall provide a user interface for receiving email and password.

SRS-18: The system shall validate the email and password.

SRS-19: The system shall provide an error message “Incorrect password” if email is existing but password does not match.

SRS-20: The system shall provide an error message “This email does not exist” if email does not exist in the database.

SRS-21: The system redirects admin to homepage.

URS05 - Admin can sign out of the system by sign out nav bar.

SRS-22: The system shall provide a button to sign out.

SRS-23: The system shall be logged out.

SRS-24: The system redirects admin to the home page.

Feature #2: Content CRUD

URS06 - User can post the dish by input name of dishes, ingredients, how-to-cook of the dish, and thumbnail photos of the dish.

SRS-25: The system shall provide the user interface for receiving data of the dish including:

- Name of dish
- Ingredients
- How-to-cook of the dish
- Upload thumbnail photos of food

SRS-26: The system shall provide a button to post.

SRS-27: The system shall validate the name of the dish, ingredients, and how-to-cook of the dish, and thumbnail photos of the dish.

SRS-28: The system shall provide an error message “This [input] field can not empty” when the textbox to empty.

SRS-29: The system shall provide an error message “File size should be less than 150kb” when file size is more than 150kb.

SRS-30: The system redirects registered user to the user’s profile.

SRS-66: The system shall update data in the database.

URS07 - User can delete the post of the dish.

SRS-31: The system shall provide the delete button for the user.

SRS-32: The system shall provide the confirm button for the user after click delete button.

SRS-33: The system shall delete the dish when the user clicks the delete button and confirm to delete the dish.

SRS-34: The system redirects registered user to homepage.

SRS-35: The system shall alert message “Are you sure to delete the post?”.

SRS-66: The system shall update data in the database.

URS08 - User can view a pin dish.

SRS-36: The system shall provide the pin button for the user.

SRS-37: The system shall cancel the pin dish when the user clicks a pin button again.

SRS-38: The system shall update the data into the database after the user clicks pin button.

SRS-39: The system shall provide the user interface to show a pin dish.

SRS-65: The system will retrieve data in database.

URS09 - User can view a history dish.

SRS-40: The system shall provide the history dish button to show a history dish.

SRS-41: The system shall redirect to history dish page when the user clicks the history button.

SRS-65: The system will retrieve data in database.

URS10 - User can select topic or type of food that user interested.

SRS-42: The system shall provide the user interface for receiving a type of food that user interested.

SRS-65: The system will retrieve data in database.

URS11 - User can view a dish that user want.

SRS-67: The registered user clicks a name of the dish.

SRS-65: The system will retrieve data in database.

SRS-68: The system shall redirect user to view dish page.

Feature#3: User management

URS12 - User can update their name, about, email and password.

SRS-46: The system shall provide the user interface for editing data of the dish including:

- Name
- About
- Email
- Password

SRS-47: The system shall provide the edit button to the user.

SRS-48: The system shall validate name, about, email and password.

SRS-49: The system saves the new data of user management to the database after the user input all data validation is passed.

SRS-50: The system shall provide an error message “This [input] field can not empty” when the textbox to empty.

SRS-51: The system shall provide an error message “A valid email is required” when the textbox is invalid format. (ex. dummy123@hotmail.com)

SRS-52: The system shall provide an error message “Email is taken!”. if input email is already in database.

SRS-66: The system shall update data in the database.

SRS-53: The system redirects registered user to profile page.

URS13 - User or upload and update their profile picture.

SRS-59: The system shall provide the user interface for upload profile picture.

SRS-60: The system shall provide the upload button to the user.

SRS-61: The system shall provide an error message “File size should be less than 150kb” when file size is more than 100kb.

SRS-66: The system shall update data in the database.

SRS-62: The system redirects user to user’s profile page.

URS14 - User can update their personality of interesting food.

SRS-54: The system shall provide the user interface for personality of interesting food.

SRS-55: User can select tag that user wants to update on personality. And user click selected tag again to unselect.

SRS-56: The system shall provide a submit button to the user.

SRS-57: The system saves the new data of User management to the database.

SRS-58: The system redirects user to the homepage.

SRS-66: The system shall update data in the database.

URS15 - User can edit their post.

SRS-25: The system shall provide the user interface for receiving data of the dish including:

- Name of dish
- Ingredients
- How-to-cook of the dish
- Upload thumbnail photos of food

SRS-51: The system shall provide edit button.

SRS-28: The system shall provide an error message "This [input] field can not empty" when the textbox to empty.

SRS-45: The system shall provide an error message "File size should be less than 150kb" when file size is more than 150kb.

SRS-32: The system redirects registered user to the user's profile.

SRS-66: The system shall update data in the database.

URS16 - User can view their profile page.

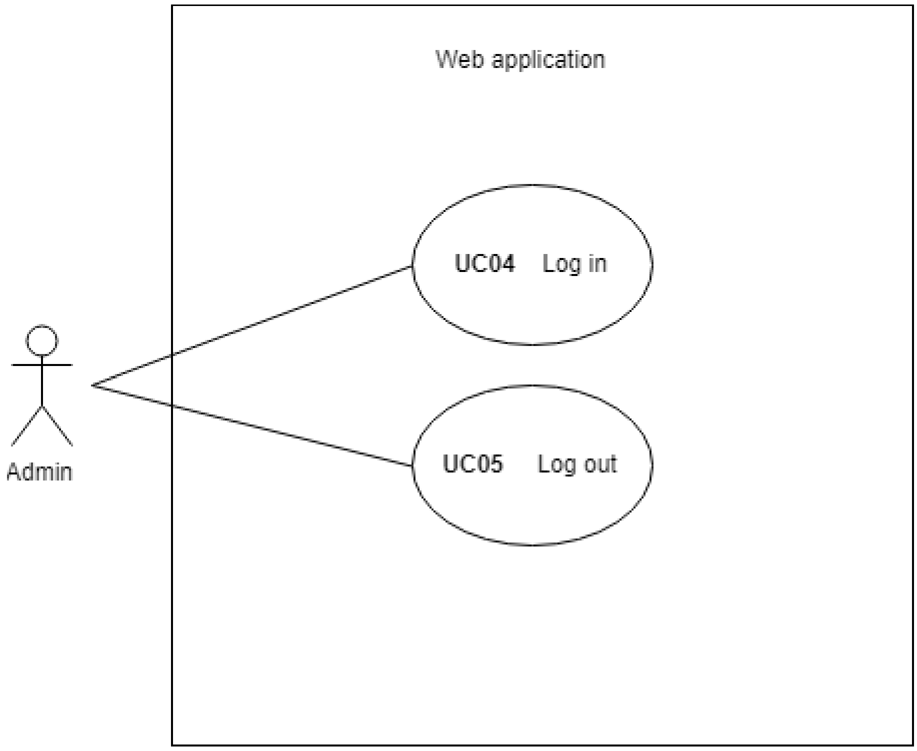
SRS-63: The system shall provide profile nav bar on the web application.

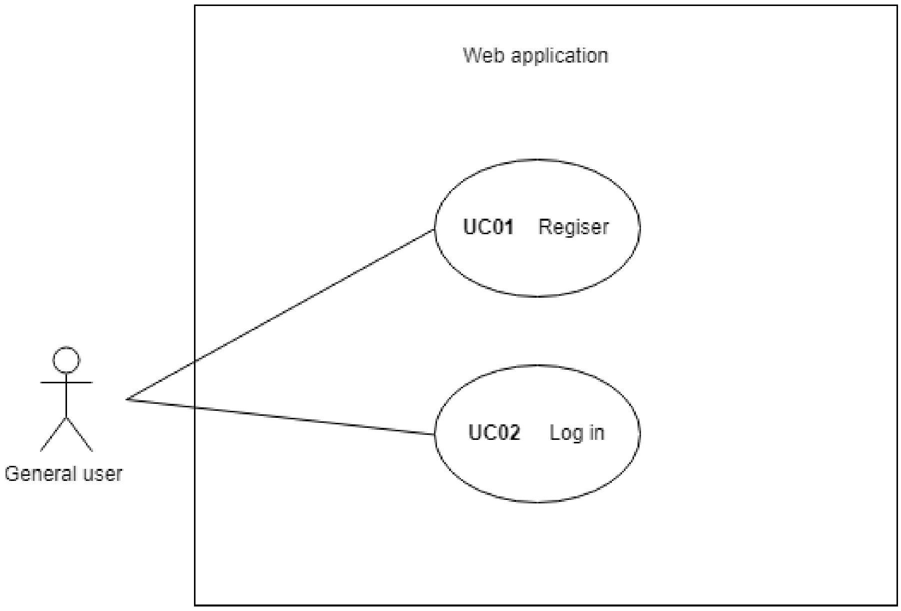
SRS-64: The system shall redirect user to their profile page.

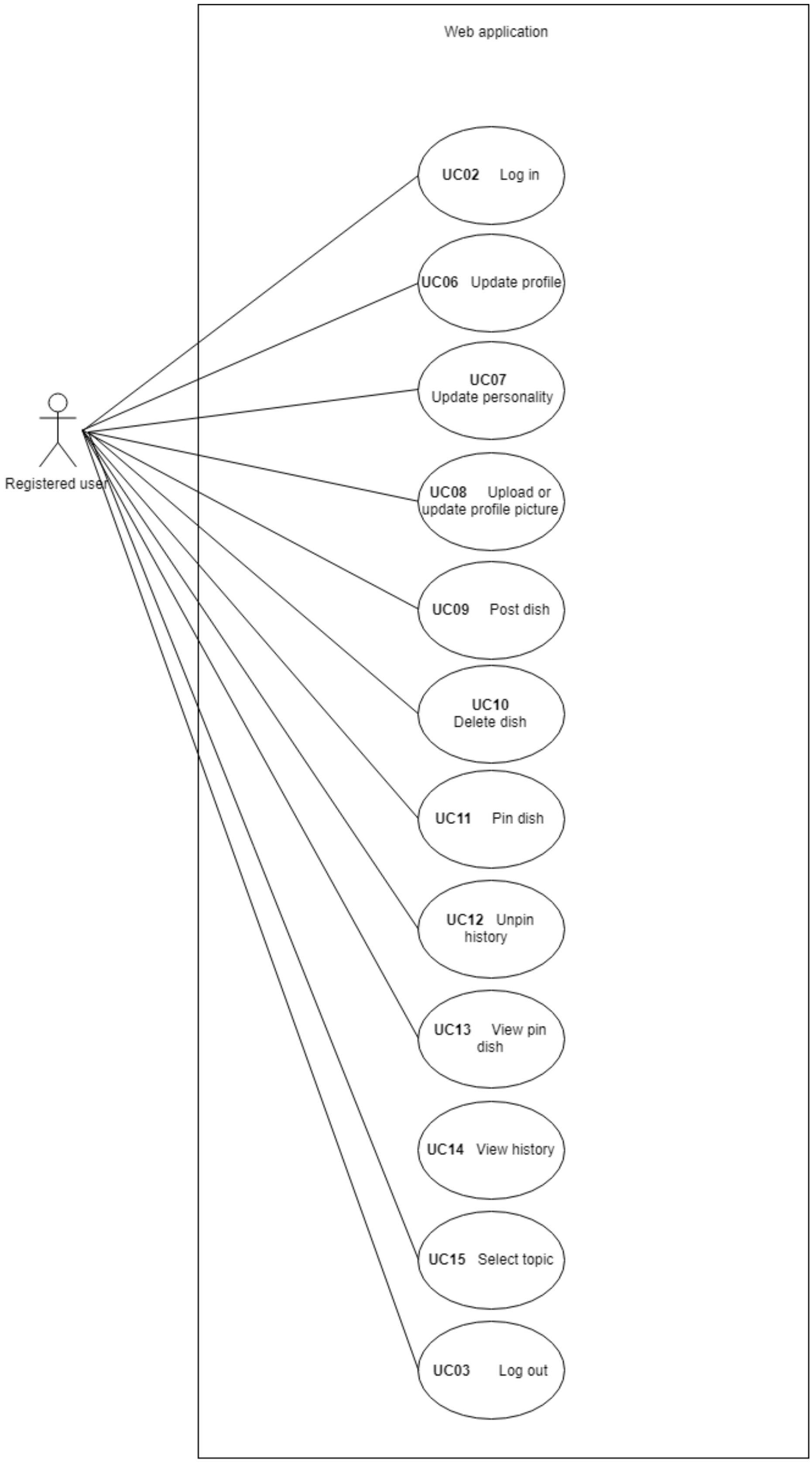
SRS-65: The system will retrieve data in database.

4.2 Requirements Specifications

Use case diagram




Web application
UC01 Regiser
UC02 Log in
General user


Web application
Registered user
UC02 Log in
UC06 Update profile
UC07 Update personality
UC08 Upload or update profile picture
UC09 Post dish
UC10 Delete dish
UC11 Pin dish
UC12 Unpin history
UC13 View pin dish
UC14 View history
UC15 Select topic
UC03 Log out

4.3 Use case Description

Feature#1: Authentication system

Description: This feature is used for preventing the unwanted user to access some feature in the system.

Actor: Admin, Registered system

Use Case ID:	UC01		
Use Case Name:	Register		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/05/2019	Last Revision Date:	07/20/2019
Actor:	General user		
Description:	General user can register to have their own account.		
Trigger:	General user clicks the register nav bar on the web application.		
Precondition:	General user open Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
Email	String	- This field can not empty. - Have to input correct format.	temabc123@hotmail.com
Password	String	- This field can not empty. - Have to input correct format.	passcode123
Name	String	- This field can not empty. - Have to input correct format.	Kittinut
Gender	String	- This field can not empty.	Male

		- Have to input correct format.	
DateOfBirth	integer	- This field can not empty	01/01/1111

Post Condition:	General user has an account for sign in.
Normal Flow:	1. General user clicks the register bar. 2. The system will redirect the general user to register page. 3. General user input name. 4. General user input date of birth. 5. General user input gender. 6. General user input email. 7. General user input password. 8. General user click submit button. 9. The system validates the input. 10. The system will save account to the database. [A1][A2][A3] 11. The system shall display a message "New account is successfully created. Please Sign In".
Alternative Flow:	[A1] If the text field is empty. 1. The system shall provide an error message "This [input] field can not empty". 2. Back to normal flow 3. [A2] If the email is incorrect format. 1. The system shall provide an error message "Input a valid email". 2. Back to normal flow 6. [A3] If the email already exists. 1. The system shall provide an error message "This email is taken!". 2. Back to normal flow 6.
Exception Flow:	-
Assumption:	1. General user must connect with the internet.

Related Requirements

URS01 - User can register to the system by input email, password, name, date of birth, and gender.

SRS-01: The system shall provide the user interface for receiving an email, password, name, and gender.

SRS-02: The system shall provide an error message "This field can not empty" when the textbox to empty.

SRS-03: The system shall provide a button to register.

SRS-04: The system shall validate the email, password, name, and gender of the user.

SRS-05: The system shall provide an error message “This [input] is incorrect format.” if input incorrect format of email, password, name, and gender.

SRS-06: The system shall provide an error message “This email already exists.” if the input email is already in database.

SRS-07: The system shall display a message “New account is successfully created. Please Sign In”.

SRS-66: The system shall update data in the database.

Use Case ID:	UC02		
Use Case Name:	User sign in		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/05/2019	Last Revision Date:	07/20/2019
Actor:	Registered user		
Description:	The registered user can sign in into the system with their own account.		
Trigger:	The registered user click the sign in nav bar on the web application.		
Precondition:	The registered user open Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
Email	String	- This field can not empty. - Have to input correct format.	temabc123@hotmail.com
Password	String	- This field can not empty. - Have to input correct format.	passcode123
Post Condition:	The registered user sign in into the system.		
Normal Flow:	1. Registered user click sign in nav bar. 2. The system shall redirect registered user to the sign in page. 3. The registered user input email. 4. The registered user input password.		

	5. The registered user input click the sign in button. 6. The system validates the account. [A1][A2] 7. The system redirect registered user to the homepage.
Alternative Flow:	[A1] If the email does not exist in the database. 1. The system shall provide a message “This email does not exist” 2. Go back to normal flow 4. [A2] If the password does not correct. 1. The system shall provide a message “Incorrect password” 2. Go back to normal flow 4.
Exception Flow:	-
Assumption:	1. Registered user must connect to the internet.

Related Requirements

URS02 - User can sign in to the system by input email and password.

SRS-08: The system shall provide the user interface for receiving email and password.

SRS-09: The system shall provide a button to sign in.

SRS-10: The system shall validate the email and password.

SRS-11: The system shall provide an error message “Incorrect password” if email is exist but password not match.

SRS-12: The system shall provide an error message “This email does not exist” if email does not exist in the database.

SRS-13: The system redirects user to homepage.

Use Case ID:	UC03		
Use Case Name:	User sign out		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/05/2019	Last Revision Date:	07/20/2019
Actor:	Registered user		
Description:	The registered user can sign out of the system.		
Trigger:	The registered user click the sign out nav bar on the web application.		

Precondition:	The registered user must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
-	-	-	-
Post Condition:	The registered user sign out of the system.		
Normal Flow:	1. The registered user clicks the sign out button. 2. The system redirect registered user to the home page.		
Alternative Flow:	-		
Exception Flow:	-		
Assumption:	1. Registered user must connect to the internet.		

Related Requirements

URS03 - User can sign out of the system by sign out nav bar.

SRS-14: The system shall provide a button to sign out.

SRS-15: The system shall be logged out.

SRS-16: The system redirects user to the home page.

Use Case ID:	UC04		
Use Case Name:	Admin sign in		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/05/2019	Last Revision Date:	07/05/2019
Actor:	Admin		
Description:	The admin can sign in into the system with their own account.		
Trigger:	The admin click the sign in nav bar on the web application.		

Precondition:	The admin open Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
Email	String	- This field can not empty. - Have to input correct format.	temabc123@hotmail.com
Password	String	- This field can not empty. - Have to input correct format.	passcode123
Post Condition:	The admin sign in into the system.		
Normal Flow:	1. Admin click sign in nav bar. 2. The system shall redirect admin to the sign in page. 3. The admin input email. 4. The admin input password. 5. The admin input click the sign in button. 6. The system validates the account. [A1][A2] 7. The system redirect admin to the homepage.		
Alternative Flow:	[A1] If the email does not exist in the database. 1. The system shall provide a message "This email does not exist" 2. Go back to normal flow 4. [A2] If the password does not correct. 1. The system shall provide a message "Incorrect password" 2. Go back to normal flow 4.		
Exception Flow:	-		
Assumption:	1. The admin must connect to the internet.		

Related Requirements

URS04 - Admin can sign in into the system by input email and password.

SRS-17: The system shall provide a user interface for receiving email and password.

SRS-18: The system shall validate the email and password.

SRS-19: The system shall provide an error message "Incorrect password" if email is exist but password not match.

SRS-20: The system shall provide an error message “This email does not exist” if email does not exist in the database.

SRS-21: The system redirect admin to homepage.

Use Case ID:	UC05		
Use Case Name:	Admin sign out		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/05/2019	Last Revision Date:	07/05/2019
Actor:	Admin		
Description:	The admin can sign out of the system.		
Trigger:	The admin click the sign out nav bar on the web application.		
Precondition:	The admin must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
-	-	-	-
Post Condition:	The admin sign out of the system.		
Normal Flow:	1. The admin click sign out nav bar. 2. The system redirect admin to the sign in page.		
Alternative Flow:	-		
Exception Flow:	-		
Assumption:	1. Registered user must connect to the internet.		

Related Requirements

URS05 - Admin can sign out of the system by sign out nav bar.

SRS-22: The system shall provide a button to sign out.

SRS-23: The system shall be logged out.

SRS-24: The system redirects admin to the home page.

Feature#2: Content CRUD

Description: User input ingredients and how-to-cook step in this feature. Then the user shares their dish into the app page. And feature is used to pin dishes (Dish that user interest and pin it) and user's history dishes (Dish that user view it already).

Actor: Registered user

Use Case ID:	UC09		
Use Case Name:	Post dish		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/05/2019	Last Revision Date:	07/05/2019
Actor:	Registered user		
Description:	User can post the dish by input name of dishes, ingredients, and how-to-cook of the dish, tag of the dish, upload their insert photo of each step and thumbnail photos of the dish.		
Trigger:	The registered user clicks the create post nav bar on the web application.		
Precondition:	The registered user must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
nameOfDish	String	This field can not empty.	Omelet
ingredient	String	This field can not empty.	Egg, Olive oil, Fish sauce
howToCook	String	This field can not empty.	1. Break the egg and put it into a bowl. 2. Add fish sauce 1 tablespoon. 3. Mix it together

			4. Put olive oil into the pan and use medium heat. 5. Put a mixed egg into the pan. 6. Wait until the below side looks cooked then turn it back. 7. Wait until all side of omelet is looking perfect. 8. Put it into the dish and ready to eat.
Post Condition:	A new dish saves into the database.		
Normal Flow:	1. The registered user clicks create post nav bar. 2. The system redirect registered user to the post dish page. 3. The registered user input the name of the dish. 4. The registered user input ingredients. 5. The registered user input how-to-cook of the dish. 6. The registered user uploads thumbnail photos of food.[A1] 7. The registered user clicks create post button. 8. The system will check the text box. [A2] 9. The system updates the database. 10. The system redirect registered user to the posted dish view page.		
Alternative Flow:	[A1] If the photo size is more than 150 kb. 1. The system displays a message “File size should be less than 150kb”. 2. Go to normal flow 7. [A2] If the textbox is empty. 1. The system displays a message “This [input] field can not empty”. 2. Go to normal flow 3.		
Exception Flow:	-		
Assumption:	1. Registered user must connect to the internet.		

Related Requirements

URS06 - User can post the dish by input name of dishes, ingredients, how-to-cook of the dish, and thumbnail photos of the dish.

SRS-25: The system shall provide the user interface for receiving data of the dish including :

- Name of dish

- Ingredients
- How-to-cook of the dish
- Upload thumbnail photos of food

SRS-26: The system shall provide a button to post.

SRS-27: The system shall validate the name of the dish, ingredients, and how-to-cook of the dish, and thumbnail photos of the dish.

SRS-28: The system shall provide an error message “This [input] field can not empty” when the textbox to empty.

SRS-29: The system shall provide an error message “File size should be less than 150kb” when file size is more than 150kb.

SRS-30: The system redirect registered user to the user’s profile.

SRS-66: The system shall update data in the database.

Use Case ID:	UC10		
Use Case Name:	Delete dish		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/06/2019	Last Revision Date:	07/06/2019
Actor:	Registered user		
Description:	The registered user uses this function to delete their own posts.		
Trigger:	The registered user clicks name of their own post.		
Precondition:	The registered user must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
-	-	-	-
Post Condition:	A selected dish delete from the database.		
Normal Flow:	1. The registered user clicks name of their own post. 2. The registered user click delete post button. 3. The system shall display a message “Are you sure to delete the post?”[A1][A2] 4. The system update data in the database.		

	5. The system redirect registered user to the homepage.
Alternative Flow:	[A1] If registered user clicks the Yes button. 1. Go to normal flow 3. [A2] If registered user click No button. 1. Go to normal flow 5.
Exception Flow:	-
Assumption:	1. Registered user must connect to the internet.

Related Requirements

URS07 - User can delete the post of the dish.

SRS-31: The system shall provide the delete button for the user.

SRS-32: The system shall provide the confirm button for the user after click delete button.

SRS-33: The system shall delete the dish when the user clicks the delete button and confirm to delete the dish.

SRS-34: The system redirect registered user to homepage.

SRS-35: The system shall alert message “Are you sure to delete the post?”.

SRS-66: The system shall update data in the database.

Use Case ID:	UC11		
Use Case Name:	Like dish		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/06/2019	Last Revision Date:	07/06/2019
Actor:	Registered user		
Description:	The registered user can pin the dish that they like.		
Trigger:	The registered user clicks name of dish to view dish.		
Precondition:	The registered user must sign in to the Spotifood web application.		

Use Case Input Specification			
Input	Type	Constrain	Example
-	-	-	-
Post Condition:	The registered user will have a new dish in their pin dish view.		
Normal Flow:	1. The registered user click name of the dish. 2. The system redirect user to view dish page. 3. The registered user clicks like button on the view dish page. 4. The system will update data in the database.		
Alternative Flow:	-		
Exception Flow:	-		
Assumption:	1. Registered user must connect to the internet.		

Related Requirements

URS08 - User can view a like dish.

SRS-36: The system shall provide the like button for the user.

SRS-37: The system shall unlike the dish when the user clicks a like button again.

SRS-38: The system shall update the data into the database after the user clicks pin button.

Use Case ID:	UC12		
Use Case Name:	Unlike dish		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/06/2019	Last Revision Date:	07/06/2019
Actor:	Registered user		
Description:	The registered user can unlike the dish that they do not like it anymore.		
Trigger:	The registered user clicks name of dish to view dish.		

Precondition:	The registered user must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
-	-	-	-
Post Condition:	The registered user will remove the selected dish in their view like dish.		
Normal Flow:	1. The registered user click name of the dish. 2. The system redirect user to view dish page. 3. The registered user clicks like button to unlike on the view dish page. 4. The system will update data in the database.		
Alternative Flow:	-		
Exception Flow:	-		
Assumption:	1. Registered user must connect to the internet.		

Related Requirements

URS08 - User can view a like dish.

SRS-36: The system shall provide the like button for the user.

SRS-37: The system shall unlike the dish when the user clicks a like button again.

SRS-38: The system shall update the data into the database after the user clicks pin button.

Use Case ID:	UC13		
Use Case Name:	View like dish		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/06/2019	Last Revision Date:	07/06/2019
Actor:	Registered user		
Description:	The registered user can view like dish on the Spotifood web application.		

Trigger:	The registered user clicks view like dish nav bar.		
Precondition:	The registered user must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
-	-	-	-
Post Condition:	The registered user will see all the dish that they pin.		
Normal Flow:	1. The registered user clicks view pin dish button. 2. The system retrieve data in database. 3. The system redirects the registered user to view pin dish page.		
Alternative Flow:	-		
Exception Flow:	-		
Assumption:	1. Registered user must connect to the internet.		

Related Requirements

URS08 - User can view a pin dish.

SRS-39: The system shall provide the user interface to show a pin dish.

SRS-65: The system will retrieve data in database.

Use Case ID:	UC14		
Use Case Name:	View history		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/06/2019	Last Revision Date:	07/06/2019
Actor:	Registered user		
Description:	The registered user can view the history of their account. Only the dish that they ever click in the past.		

Trigger:	The registered user clicks history nav bar.		
Precondition:	The registered user must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
-	-	-	-
Post Condition:	The registered user will see all the dish that they ever click on it.		
Normal Flow:	1. The registered user clicks history nav bar. 2. The system retrieve data in database. 3. The system will redirect registered user to history page.		
Alternative Flow:	-		
Exception Flow:	-		
Assumption:	1. Registered user must connect to the internet.		

Related Requirements

URS09 - User can view a history dish.

SRS-40: The system shall provide the history dish button to show a history dish.

SRS-41: The system shall redirect to history dish page when the user clicks the history button.

SRS-65: The system will retrieve data in database.

Use Case ID:	UC15		
Use Case Name:	Select topic		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/06/2019	Last Revision Date:	07/06/2019
Actor:	Registered user		

Description:	The registered user can select the type of food that user interest. And system will show the dish that tag the same as that type of food.		
Trigger:	The registered user clicks select topic nav bar.		
Precondition:	The registered user must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
-	-	-	-
Post Condition:	The registered user will see all the dishes have the same tag as a topic that they select.		
Normal Flow:	1. The registered user click topic nav bar. 2. The system redirects the user to select topic page. 3. The registered user click topic that they want. 4. The system retrieve data in the database. 5. The system shows all dishes that have the tag same as a selected topic.		
Alternative Flow:	-		
Exception Flow:	-		
Assumption:	1. Registered user must connect to the internet.		

Related Requirements

URS10 - User can select topic or type of food that user interested.

SRS-42: The system shall provide the user interface for receiving a type of food that user interested.

SRS-65: The system will retrieve data in database.

Use Case ID:	UC17		
Use Case Name:	Edit post		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri

Date Create:	07/10/2019	Last Revision Date:	07/10/2019
Actor:	Registered user		
Description:	User can edit their post the dish by input name of dishes, ingredients, and how-to-cook of the dish, tag of the dish, upload their insert photo of each step and thumbnail photos of the dish.		
Trigger:	The registered user clicks the edit post button on the web application.		
Precondition:	The registered user must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
nameOfDish	String	This field can not empty.	Omelet
ingredient	String	This field can not empty.	Egg, Olive oil, Fish sauce
howToCook	String	This field can not empty.	1. Break the egg and put it into a bowl. 2. Add fish sauce 1 tablespoon. 3. Mix it together 4. Put olive oil into the pan and use medium heat. 5. Put a mixed egg into the pan. 6. Wait until the below side looks cooked then turn it back. 7. Wait until all side of omelet is looking perfect. 8. Put it into the dish and ready to eat.
Post Condition:	A new dish saves into the database.		
Normal Flow:	1. The registered user clicks edit post button. 2. The system redirect registered user to the edit dish page. 3. The registered user input name of the dish.		

	4. The registered user input ingredients. 5. The registered user input how-to-cook of the dish. 6. The registered user uploads thumbnail photos of food.[A1][A2][A3] 7. The registered user clicks the edit button. 8. The system will check the text box. [A3] 9. The system updates the database. 10. The system redirect registered user to user's profile page.
Alternative Flow:	[A1] If the photo does not exist. 1. The system displays a message "Select a file to upload photo.". 2. Go to normal flow 7. [A2] If the photo size is more than 150 kb. 1. The system displays a message "Photo size is more than 150 kb.". 2. Go to normal flow 7. [A3] If the textbox is empty. 1. The system displays a message "This [input] field can not empty". 2. Go to normal flow 3.
Exception Flow:	-
Assumption:	1. Registered user must connect to the internet.

Related Requirements

URS15 - User can edit their post.

SRS-25: The system shall provide the user interface for receiving data of the dish including :

- Name of dish
- Ingredients
- How-to-cook of the dish
- Upload thumbnail photos of food

SRS-51: The system shall provide edit button.

SRS-28: The system shall provide an error message "This [input] field can not empty" when the textbox to empty.

SRS-45: The system shall provide an error message "File size should be less than 150kb" when file size is more than 150kb.

SRS-32: The system redirect registered user to the user's profile.

SRS-66: The system shall update data in the database.

Feature#3: User management

Description: This feature is used to post the dish details including ingredients and how-to-cook step. And used to edit their personal information.

Actor: Registered system

Use Case ID:	UC06		
Use Case Name:	Edit profile		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/05/2019	Last Revision Date:	07/21/2019
Actor:	Registered user		
Description:	The registered user can update their own profile. Update email, password, name, gender, and profile picture.		
Trigger:	The registered user click the edit profile button on view profile page.		
Precondition:	The registered user must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
Email	String	- This field can not empty. - Have to input correct format.	temabc123@hotmail.com
Password	String	- This field can not empty. - Have to input more than 6 characters.	passcode123
name	String	- This field can not empty.	Kittinut
About	String	-	Hi. I love sushi.
Post Condition:	Profile of registered user has been updated.		
Normal Flow:	1. Registered user clicks edit profile button.		

	2. The system redirect registered user to the edit profile page. 3. Registered user input name. 4. Registered user input about. 5. Registered user input email. 6. Registered user input password. 7. Registered user clicks the update button. 8. The system will update the profile in the database.[A1][A2][A3] 9. The system will redirect the registered user to the homepage.
Alternative Flow:	[A1] If the text field is empty. 3. The system shall provide an error message “This [input] field can not empty”. 4. Back to normal flow 4. [A2] If the input is incorrect format. 3. The system shall provide an error message “A valid email is required”. 4. Back to normal flow 4. [A3] If the email already exists. 3. The system shall provide an error message “Email is taken!”. 4. Back to normal flow 4.
Exception Flow:	-
Assumption:	1. Registered user must connect to the internet.

Related Requirements

URS12 - User can update their name, about, email and password.

SRS-46: The system shall provide the user interface for editing data of the dish including :

- Name
- About
- Email
- Password

SRS-47: The system shall provide the edit button to the user.

SRS-48: The system shall validate name , about , email and password.

SRS-49: The system saves the new data of user management to the database after the user input all data validation is passed.

SRS-50: The system shall provide an error message “This [input] field can not empty” when the textbox to empty.

SRS-51: The system shall provide an error message “A valid email is required” when the textbox is invalid format. (ex. dummy123@hotmail.com)

SRS-52: The system shall provide an error message “Email is taken!”. if input email is already in database.

SRS-66: The system shall update data in the database.

SRS-53: The system redirect registered user to profile page.

Use Case ID:	UC07		
Use Case Name:	Edit personality		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/07/2019	Last Revision Date:	07/08/2019
Actor:	Registered user		
Description:	The registered user can update their personality of interesting food.		
Trigger:	The registered user click the personality nav bar on the web application.		
Precondition:	The registered user must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
-	-	-	-
Post Condition:	Personality of registered user has been updated.		
Normal Flow:	1. The registered user click the personality nav bar. 2. The system shall provide user interface for personality of interesting food. 3. User click tag that user want to update on personality of food. [A1] 4. The registered user click submit button. [A2] 5. The system saves the new data of user management to the database. 6. The system redirects user to the homepage.		
Alternative Flow:	[A1] If registered user click tag again. 1. Tag will unselect. 2. Go to normal flow 3. [A2] If registered user click cancel button. 1. Go to normal flow 2.		
Exception Flow:	-		

Assumption:	1. Registered user must connect to the internet.

Related Requirements

URS14 - User can update their personality of interesting food.

SRS-54: The system shall provide the user interface for personality of interesting food.

SRS-55: User can select tag that user want to update on personality. And user click selected tag again to unselect.

SRS-56: The system shall provide a submit button to the user.

SRS-57: The system saves the new data of User management to the database.

SRS-58: The system redirects user to the homepage.

SRS-66: The system shall update data in the database.

Use Case ID:	UC08		
Use Case Name:	Edit profile picture.		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/05/2019	Last Revision Date:	07/05/2019
Actor:	Registered user		
Description:	The registered user can upload their profile picture on profile page.		
Trigger:	The registered user click the profile nav bar on the web application.		
Precondition:	The registered user or admin must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
-	-	-	-
Post Condition:	Profile picture of registered user has been updated.		
Normal Flow:	1. Registered user clicks the profile nav bar. 2. Registered user clicks the edit button. 3. Registered user click select file button. 4. The system validates file. [A1]		

	5. Registered user click update button. 6. The system update the database. 7. The system redirects user to user's profile page.
Alternative Flow:	[A1] If picture file is more than 100kb. 1. The system shall provide an error message "File size should be less than 100kb". 2. Go to normal flow 2.
Exception Flow:	-
Assumption:	1. Registered user must connect to the internet.

Related Requirements

URS13 - User or upload and update their profile picture.

SRS-59: The system shall provide the user interface for upload profile picture.

SRS-60: The system shall provide the upload button to the user.

SRS-61: The system shall provide an error message "File size should be less than 150kb" when file size is more than 100kb.

SRS-66: The system shall update data in the database.

SRS-62: The system redirects user to user's profile page.

Use Case ID:	UC16		
Use Case Name:	View dish.		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/08/2019	Last Revision Date:	07/08/2019
Actor:	Registered user		
Description:	The registered user can view dish.		
Trigger:	The registered user click on name of dish.		

Precondition:	The registered user must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
-	-	-	-
Post Condition:	User will redirect to selected view dish.		
Normal Flow:	1. Registered user click on any dish. 2. The system will retrieve data in database. 3. The system redirects user to view page of the dish.		
Alternative Flow:	-		
Exception Flow:	-		
Assumption:	1. Registered user must connect to the internet.		

Related Requirements

URS11 - User can view a dish that user want.

SRS-67: The registered user click a name of the dish.

SRS-65: The system will retrieve data in database.

SRS-68: The system shall redirect user to view dish page.

Use Case ID:	UC18		
Use Case Name:	View profile.		
Create By:	Kittinut Saengsri	Last Update By:	Kittinut Saengsri
Date Create:	07/08/2019	Last Revision Date:	07/22/2019
Actor:	Registered user		
Description:	The registered user can view their profile page.		
Trigger:	The registered user click on profile nav bar.		

Precondition:	The registered user must sign in to the Spotifood web application.		
Use Case Input Specification			
Input	Type	Constrain	Example
-	-	-	-
Post Condition:	Registered will redirect to their profile page.		
Normal Flow:	1. Registered user click on profile nav bar. 2. The system retrieve data in database. 3. The system redirect user to their profile page.		
Alternative Flow:	-		
Exception Flow:	-		
Assumption:	1. Registered user must connect to the internet.		

Related Requirements

URS16 - User can view their profile page.

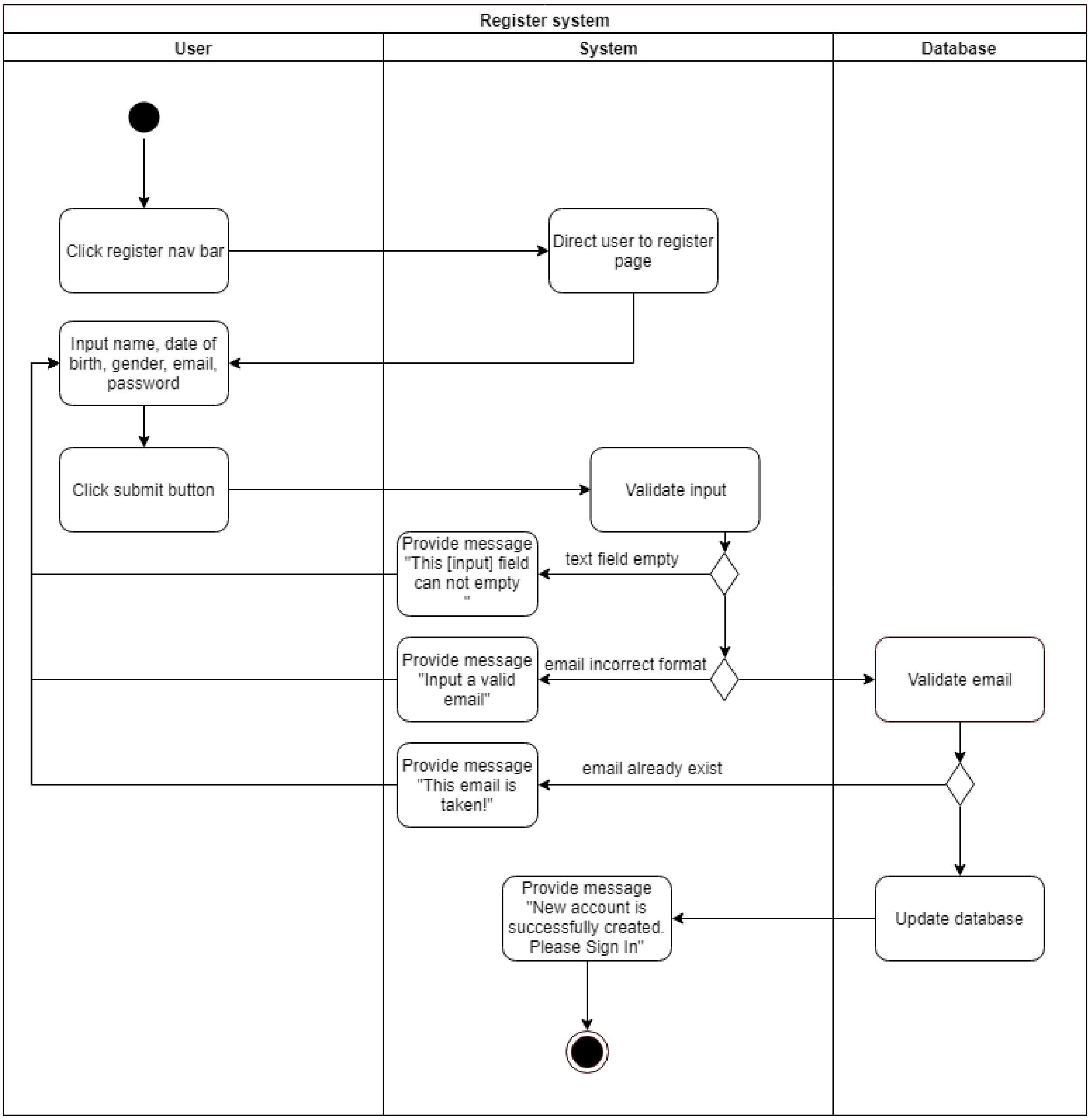
SRS-63: The system shall provide profile nav bar on the web application.

SRS-64: The system shall redirect user to their profile page.

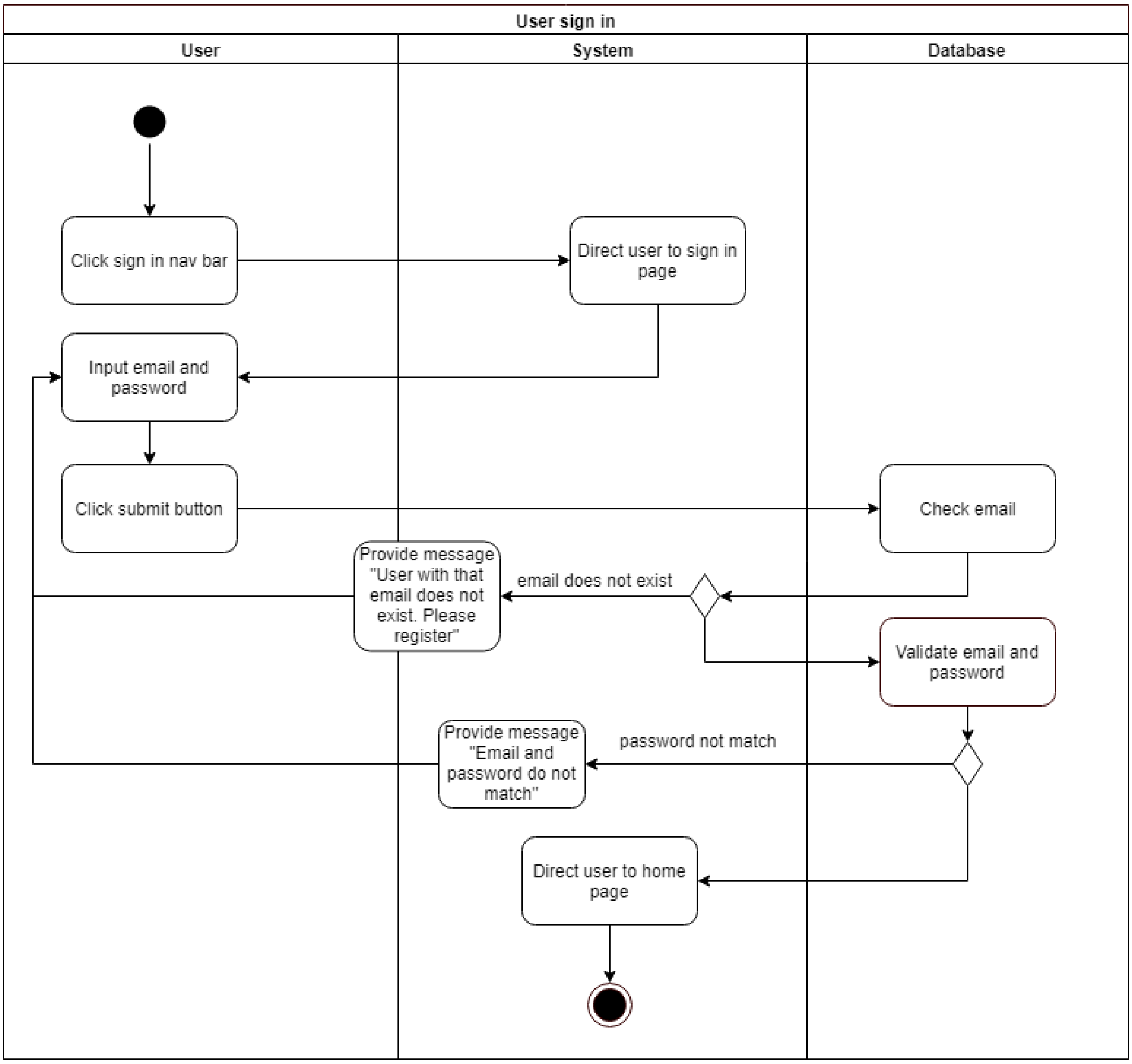
SRS-65: The system will retrieve data in database.

4.3 Activity diagram

Activity diagram 1: AC01

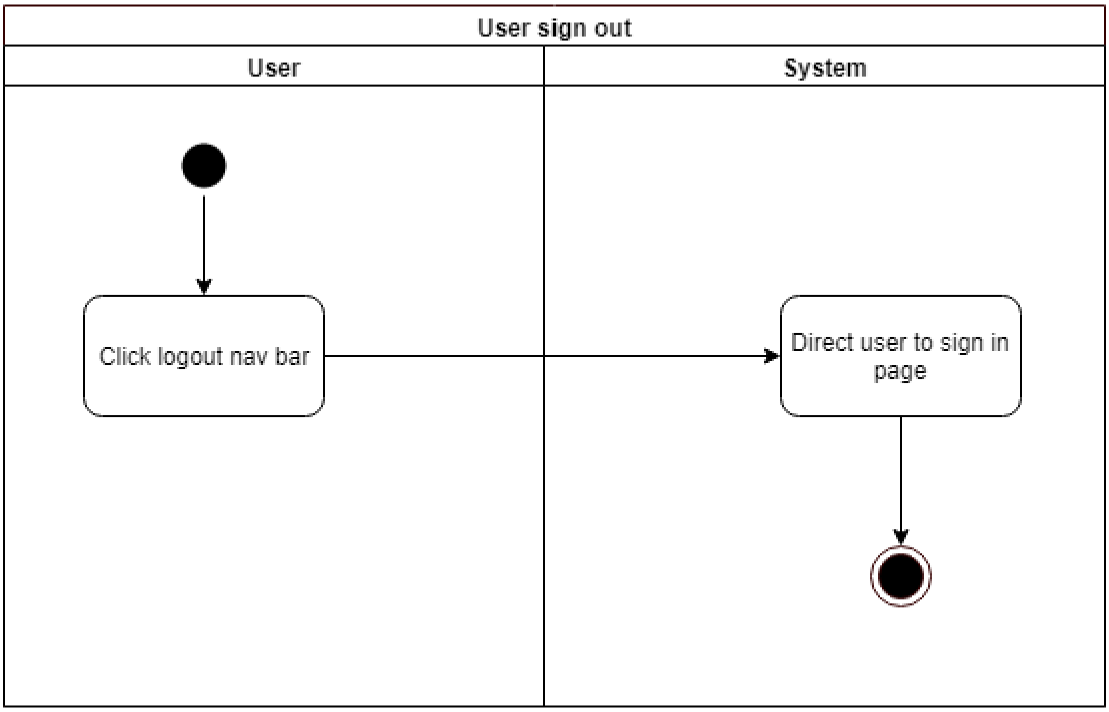

Register system
User
System
Database
Click register nav bar
Direct user to register page
Input name, date of birth, gender, email, password
Click submit button
Validate input
Provide message "This [input] field can not empty "
text field empty
Provide message "Input a valid email"
email incorrect format
Validate email
Provide message "This email is taken!"
email already exist
Provide message "New account is successfully created. Please Sign In"
Update database

Activity diagram 2: AC02

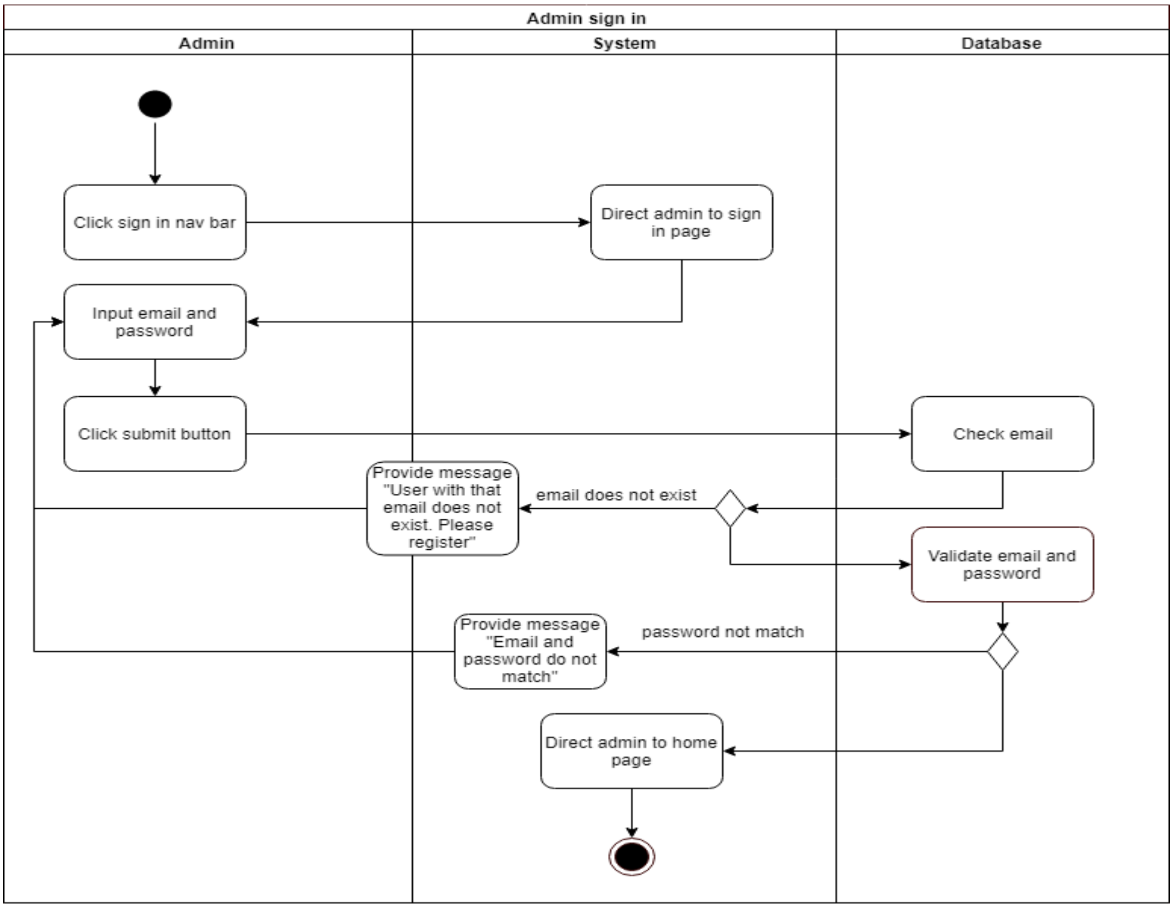


User sign in
User
System
Database
Click sign in nav bar
Direct user to sign in page
Input email and password
Click submit button
Check email
Provide message "User with that email does not exist. Please register"
email does not exist
Validate email and password
Provide message "Email and password do not match"
password not match
Direct user to home page

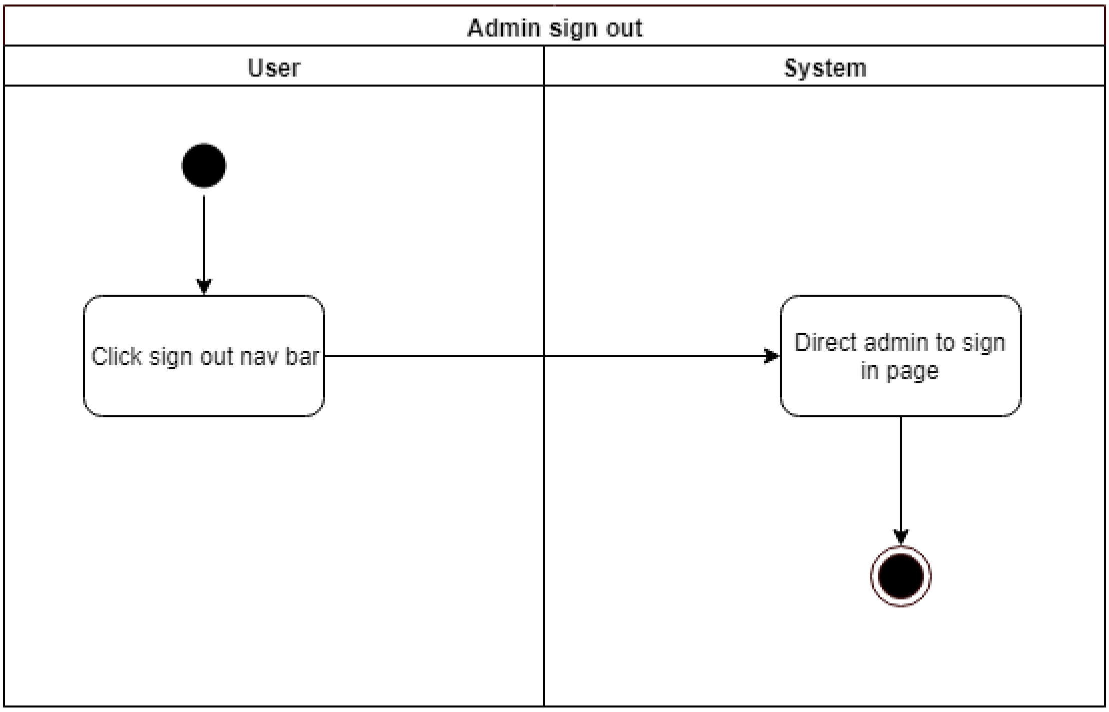
Activity diagram 3: AC03



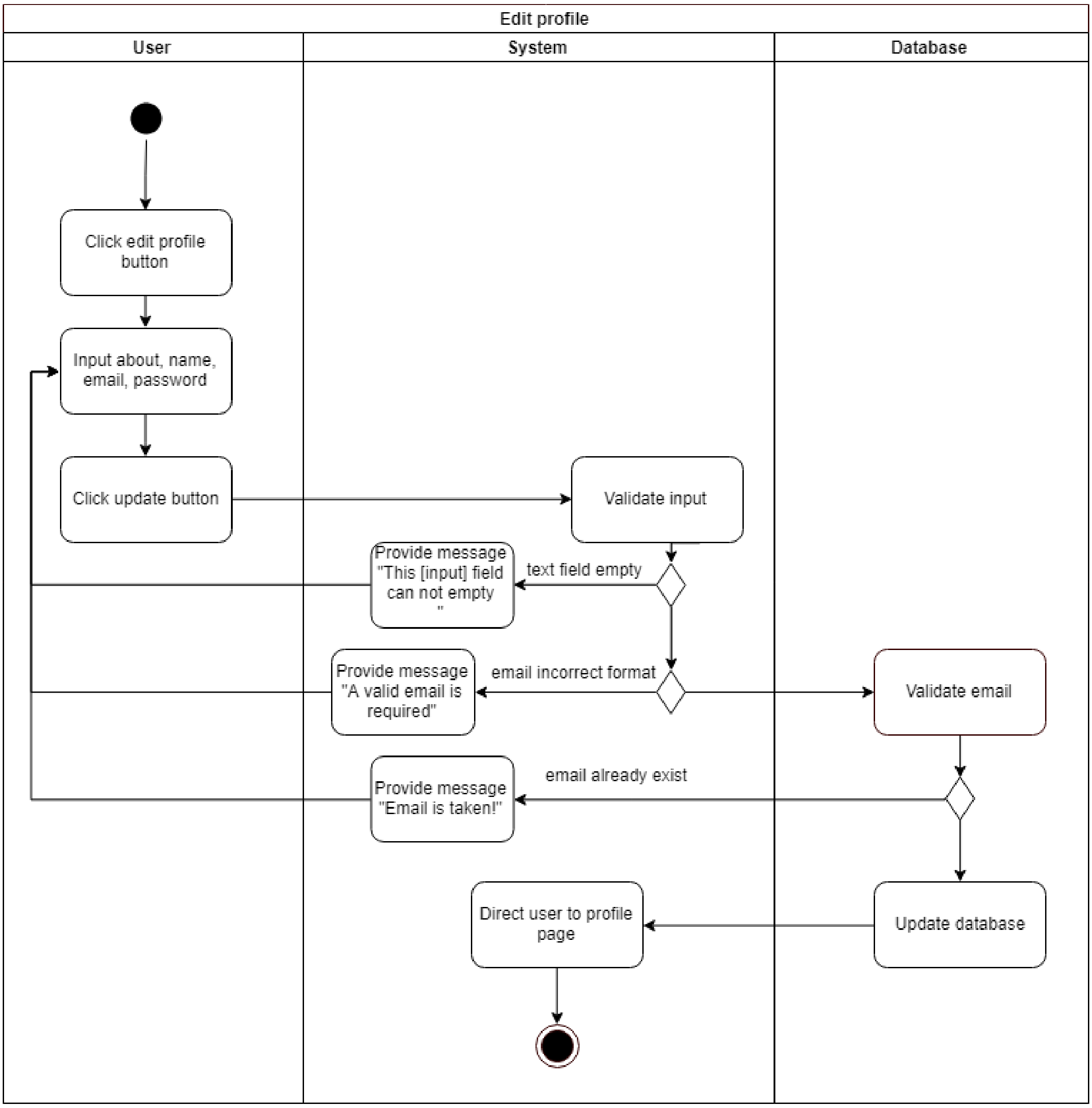
Activity diagram 4: AC04


Admin sign in
Admin
System
Database
Click sign in nav bar
Direct admin to sign in page
Input email and password
Click submit button
Check email
Provide message "User with that email does not exist. Please register"
email does not exist
Validate email and password
Provide message "Email and password do not match"
password not match
Direct admin to home page

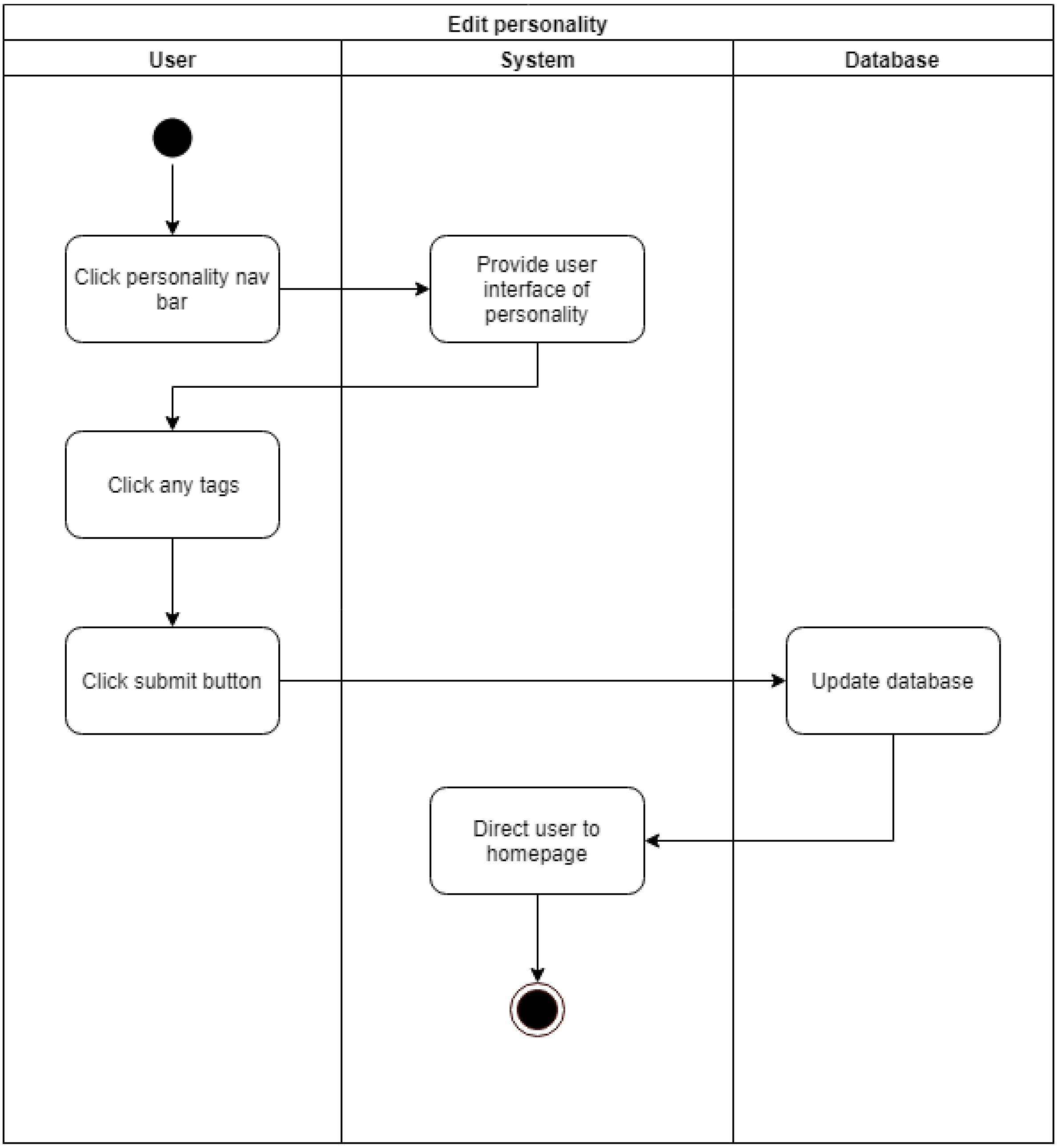
Activity diagram 5: AC05



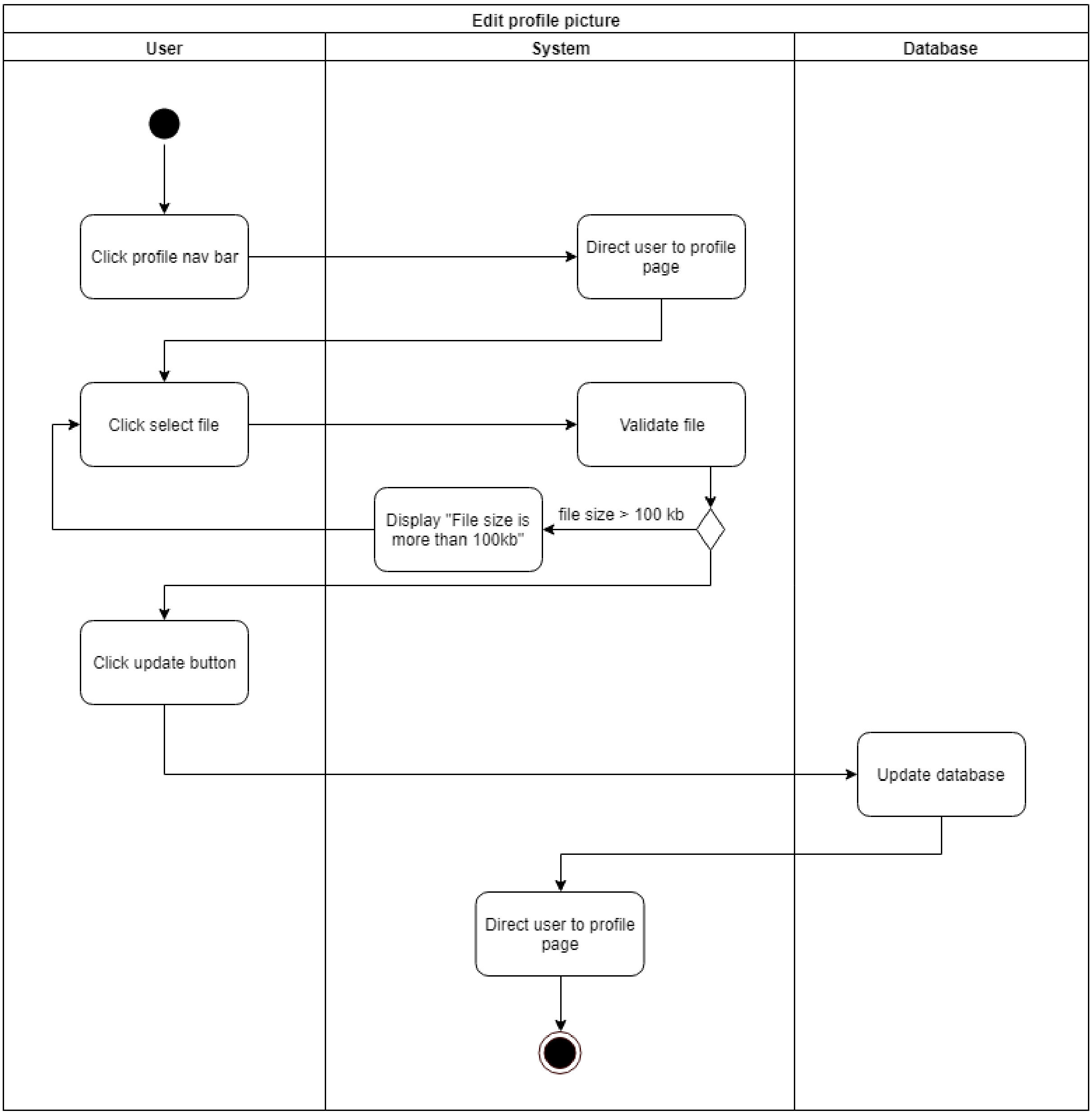
Activity diagram 6: AC06


Edit profile
User
System
Database
Click edit profile button
Input about, name, email, password
Click update button
Validate input
text field empty
Provide message "This [input] field can not empty "
email incorrect format
Provide message "A valid email is required"
Validate email
email already exist
Provide message "Email is taken!"
Update database
Direct user to profile page

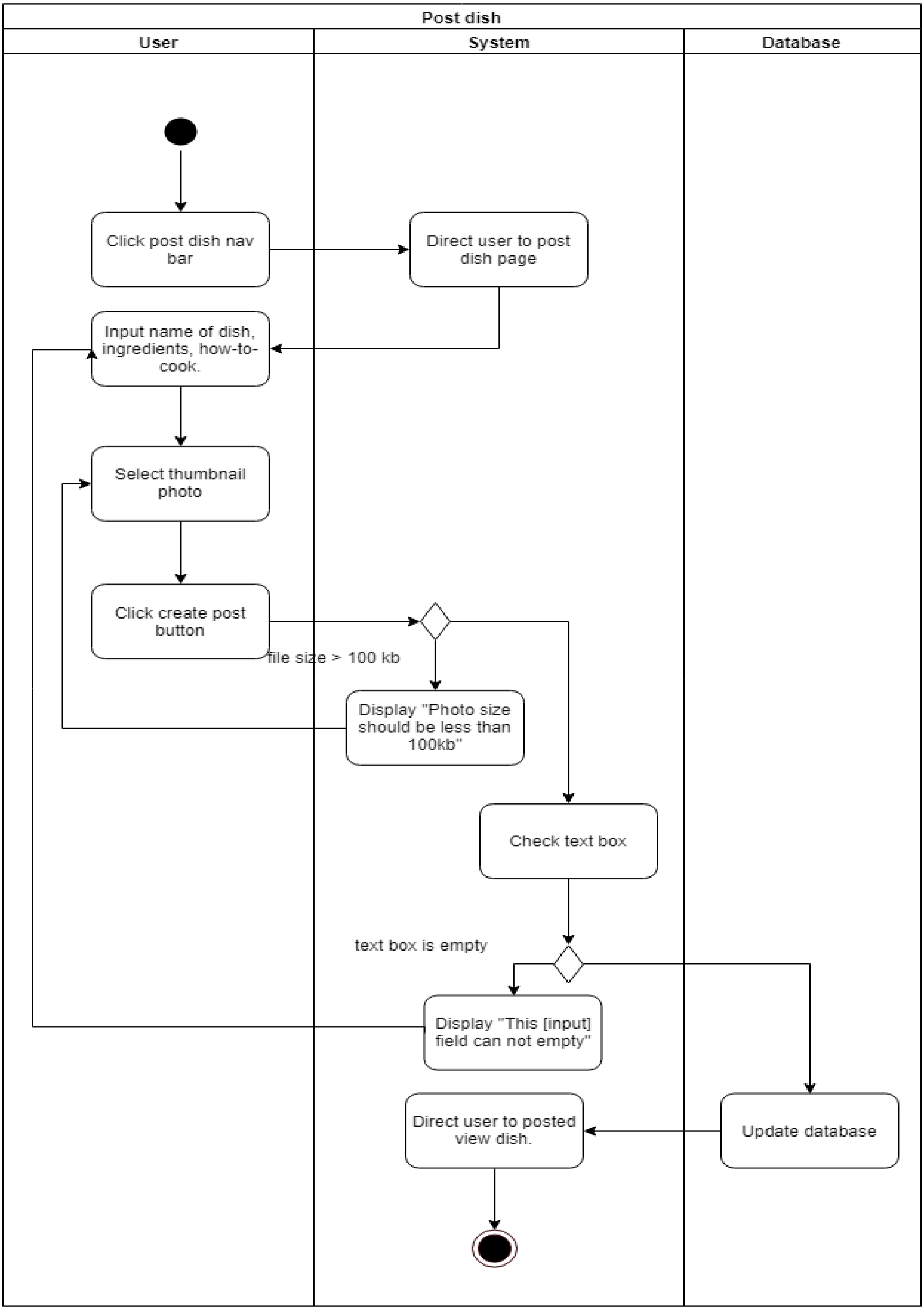
Activity diagram 7: AC07



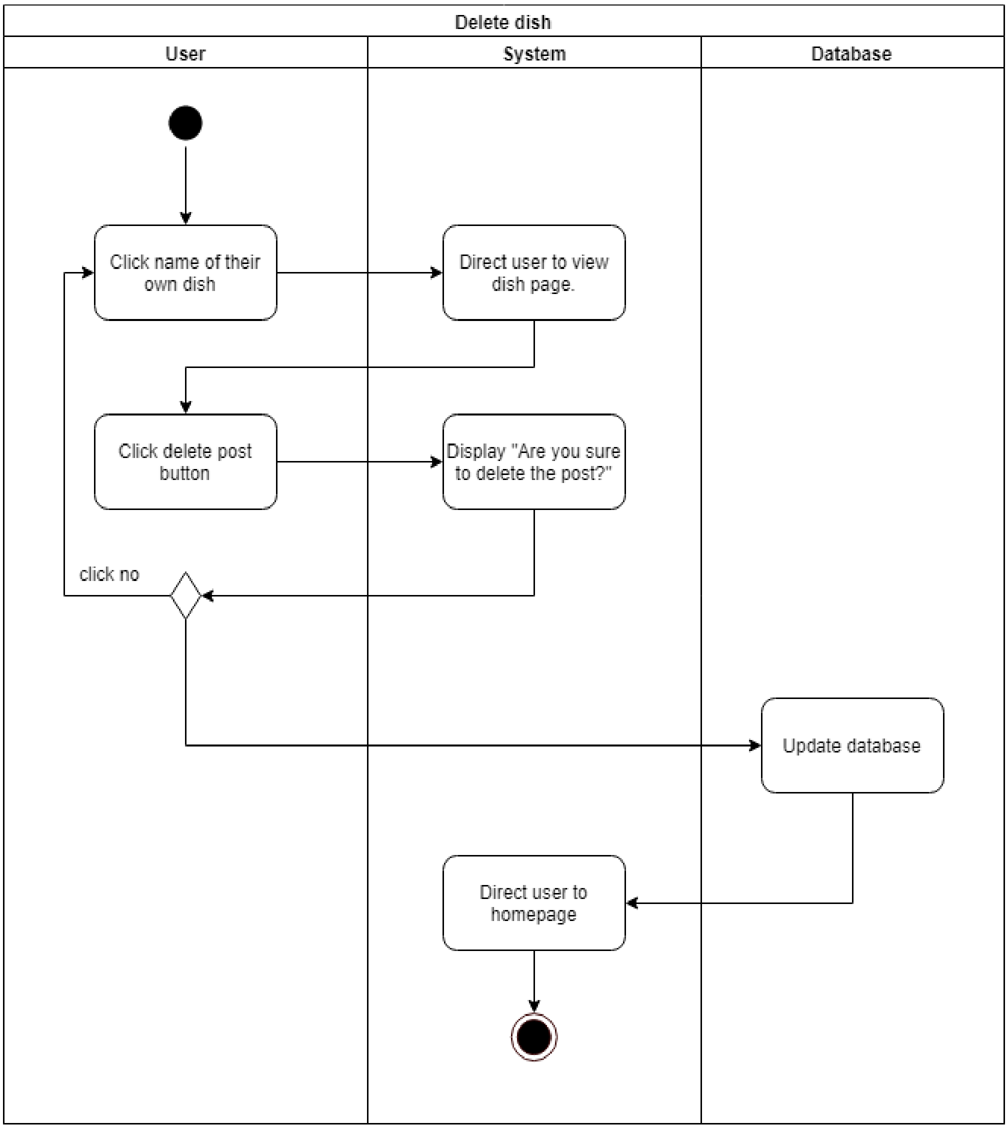
Activity diagram 8: AC08



Activity diagram 9: AC09

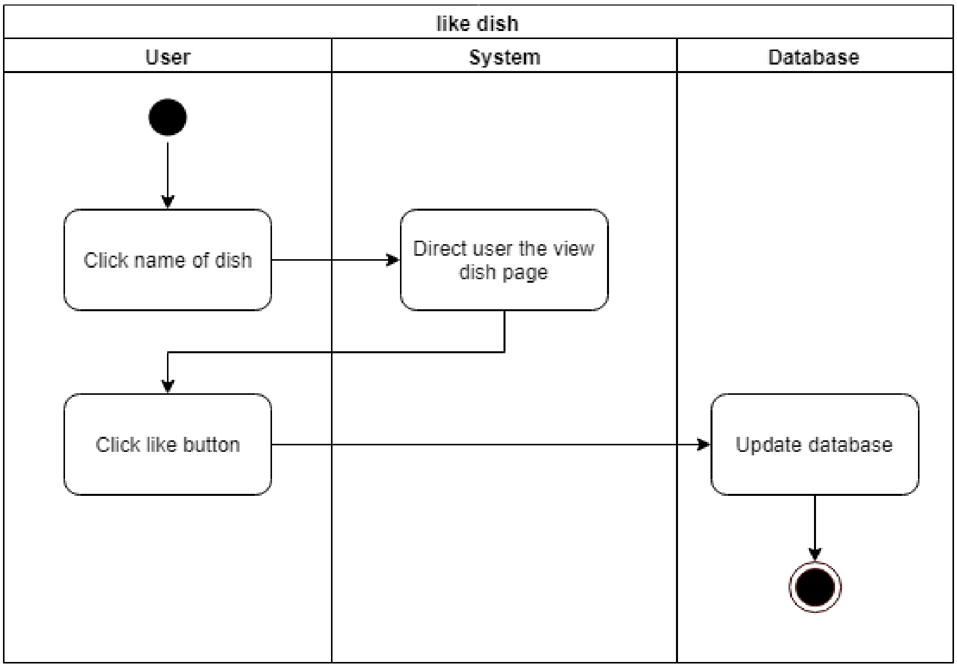

Post dish
User
System
Database
Click post dish nav bar
Direct user to post dish page
Input name of dish, ingredients, how-to-cook.
Select thumbnail photo
Click create post button
file size > 100 kb
Display "Photo size should be less than 100kb"
Check text box
text box is empty
Display "This [input] field can not empty"
Update database
Direct user to posted view dish.

Activity diagram 10: AC10

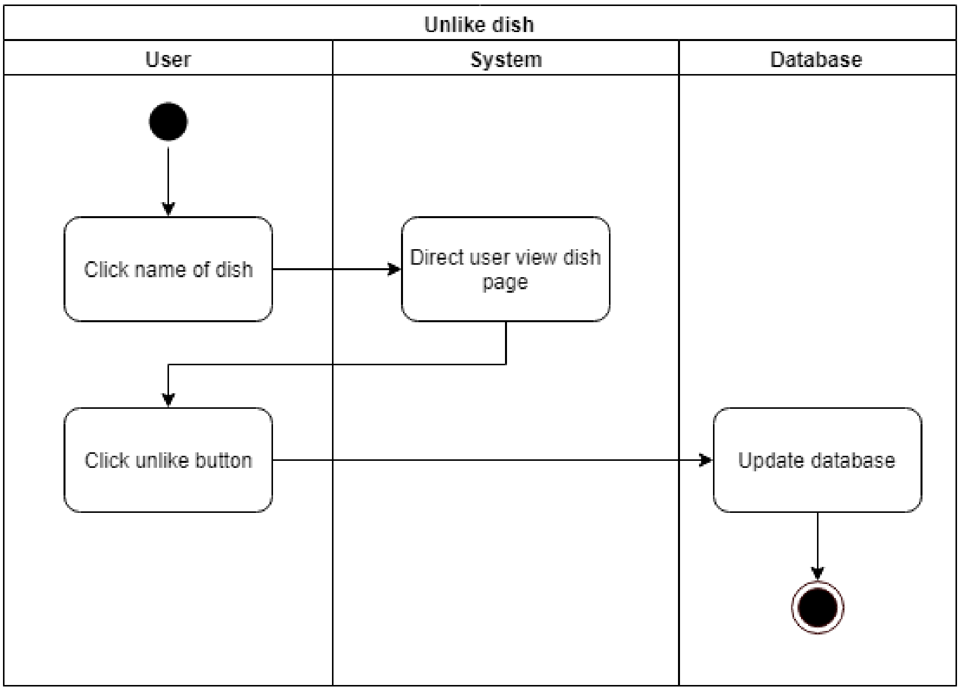


Delete dish
User
System
Database
Click name of their own dish
Direct user to view dish page.
Click delete post button
Display "Are you sure to delete the post?"
click no
Update database
Direct user to homepage

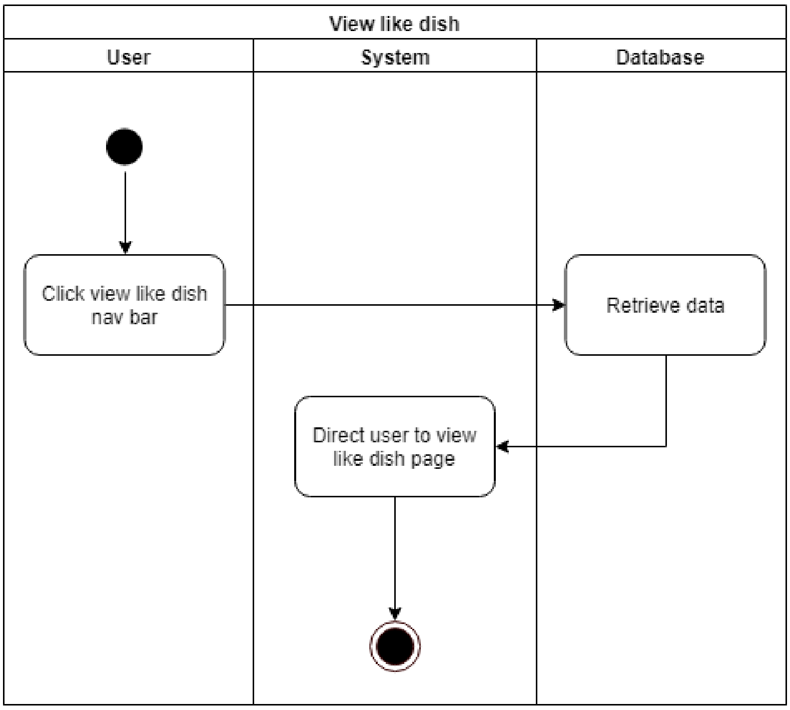
Activity diagram 11: AC11



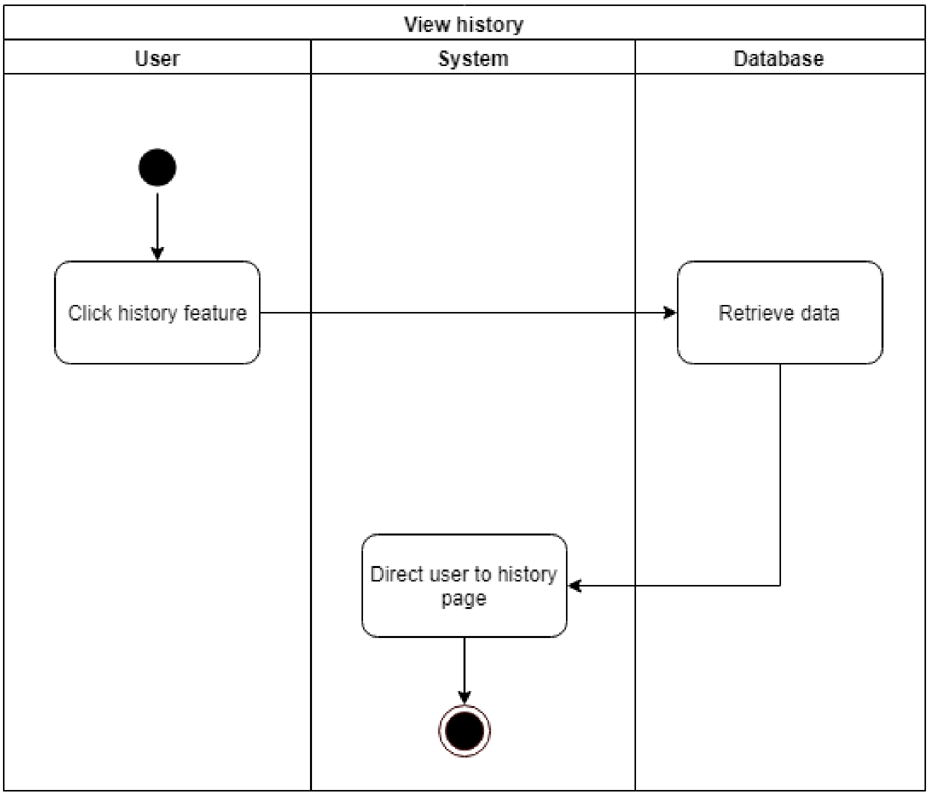
Activity diagram 12: AC12



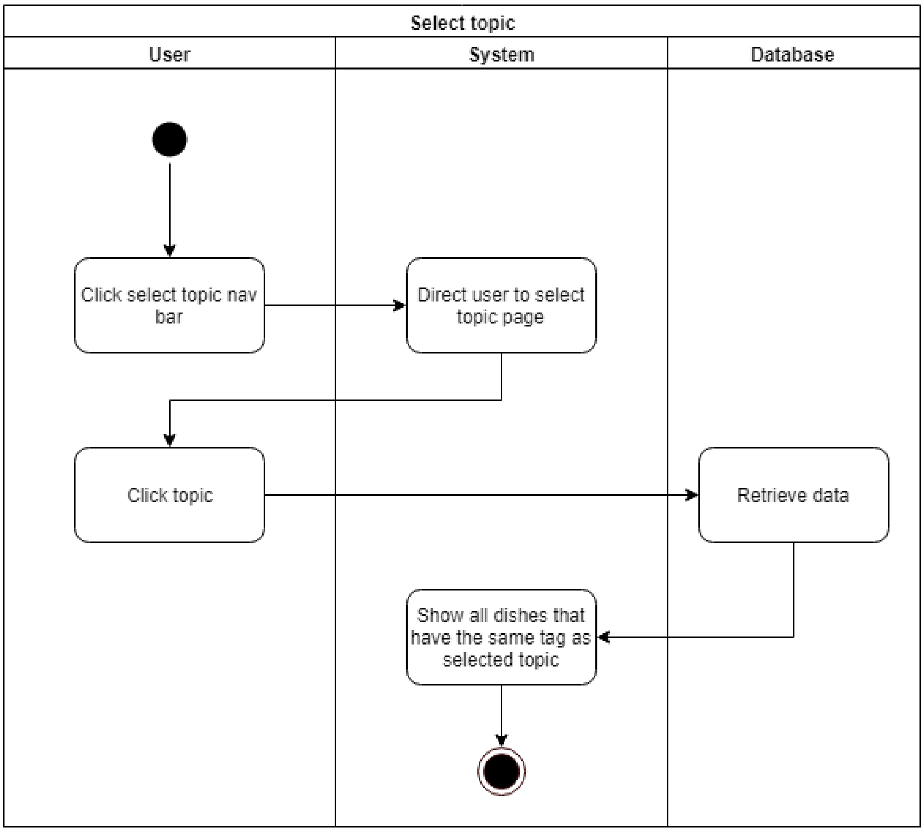
Activity diagram 13: AC13


View like dish
User
System
Database
Click view like dish nav bar
Retrieve data
Direct user to view like dish page

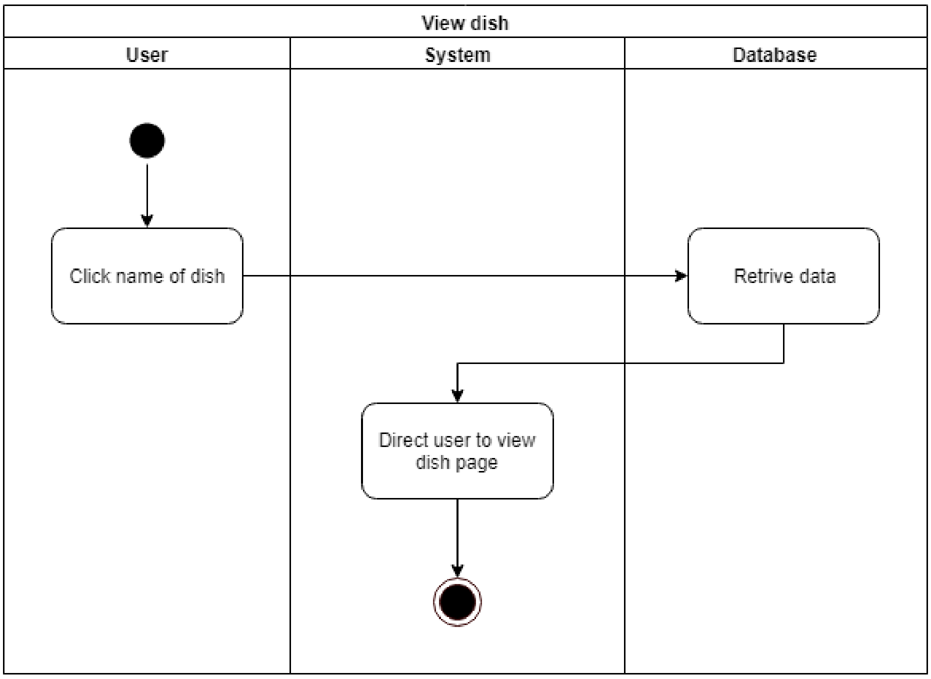
Activity diagram 14: AC14



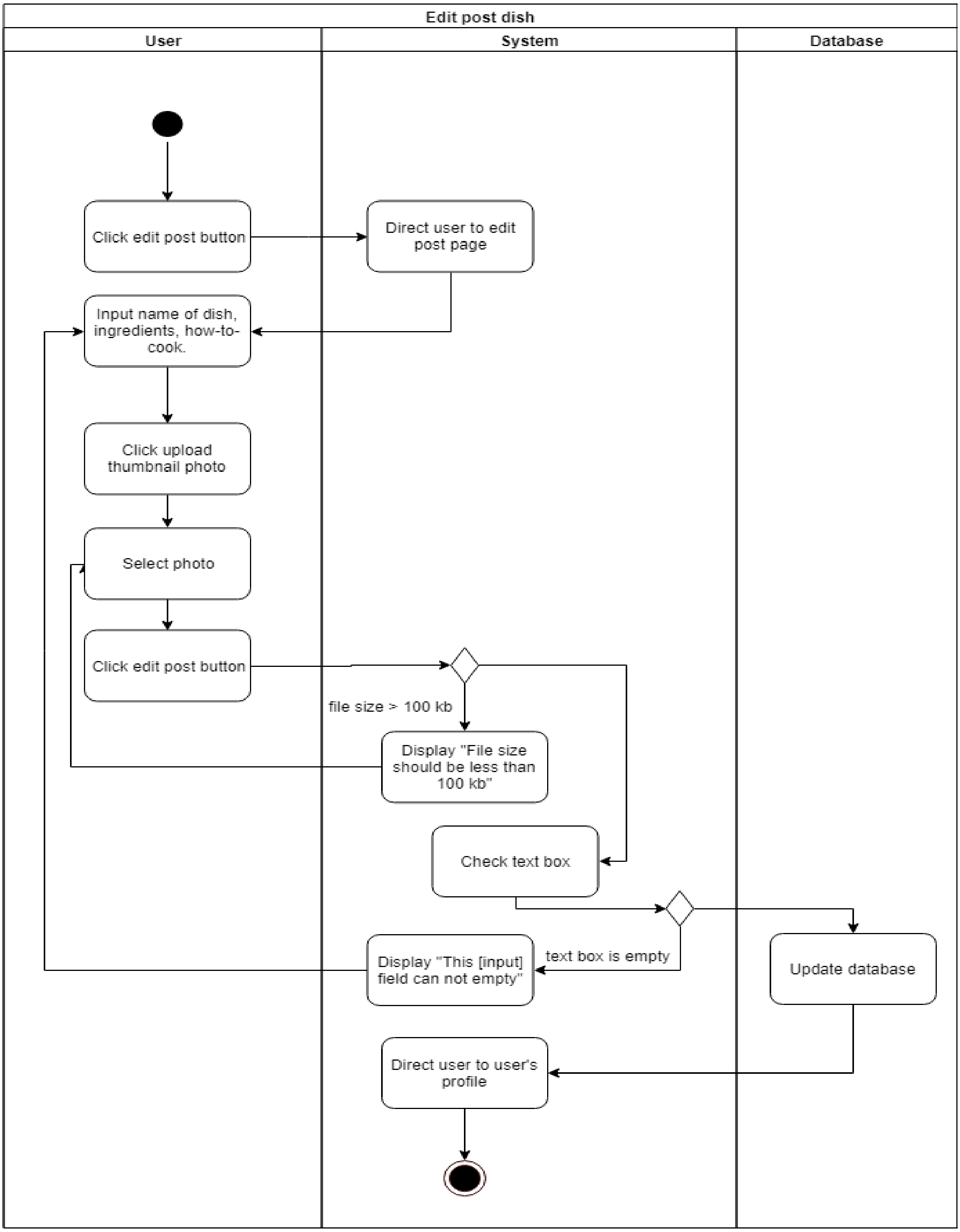
Activity diagram 15: AC15


Select topic
User
System
Database
Click select topic nav bar
Direct user to select topic page
Click topic
Retrieve data
Show all dishes that have the same tag as selected topic

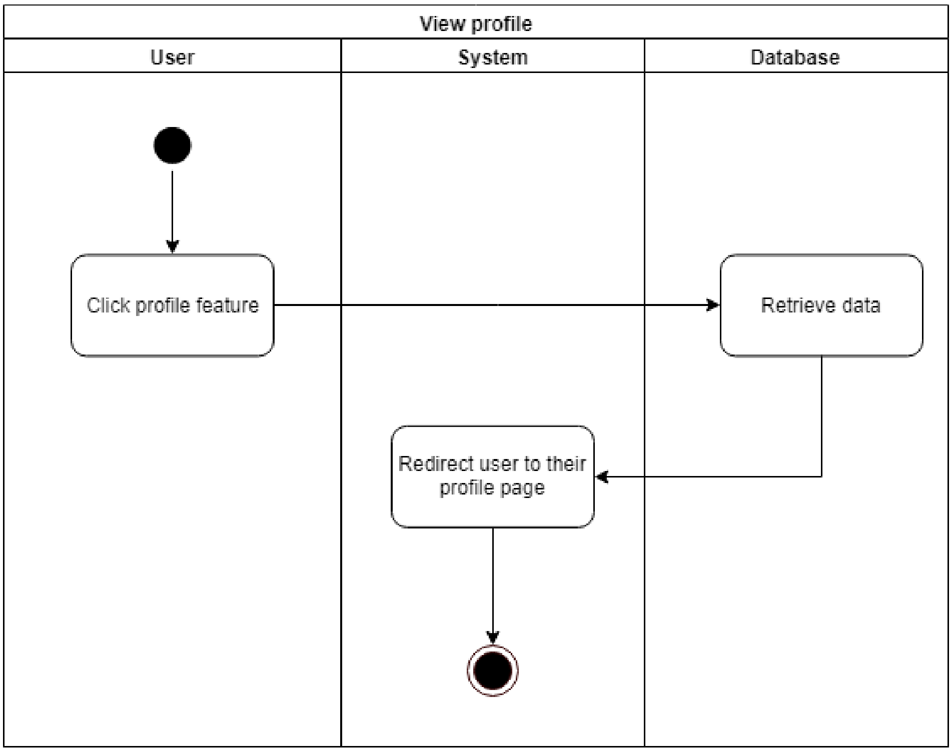
Activity diagram 16: AC16



Activity diagram 17: AC17


Edit post dish
User
System
Database
Click edit post button
Direct user to edit post page
Input name of dish, ingredients, how-to-cook.
Click upload thumbnail photo
Select photo
Click edit post button
file size > 100 kb
Display "File size should be less than 100 kb"
Check text box
text box is empty
Display "This [input] field can not empty"
Update database
Direct user to user's profile

Activity diagram 18: AC18


View profile
User
System
Database
Click profile feature
Retrieve data
Redirect user to their profile page