

MINISTRY OF EDUCATION AND TRAINING

FPT UNIVERSITY

CAPSTONE PROJECT DOCUMENT AGC101

Report #3 – Software Requirement Specification

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1 USER REQUIREMENTS SPECIFICATION

1.1 Introduction

1.1.1 Purposes

This is an SRS for the AGC web application. Document describes general function and non-functional requirements of the system which will be used as input for software design document and will be used as a checklist for software test documentation. Meanwhile users and stakeholders can use it to have an overview of the whole system requirements.

1.1.2 Definition and Acronyms

| Term | Description |
|------------------|---|
| Tra Da | Group name |
| AGC | Tra Da project name |
| AGC101 | Project code |
| SRS | Software requirement specification |
| GUI | Graphical user interface |
| API | Application program interface |
| User | Anyone who uses the system |
| Admin | A website owner and also a person who is given specific permission for managing and controlling the system. |
| Customer | A user who have registered on the system |
| Restaurant owner | Someone who has a restaurant and wants his restaurant to be a part the application, and he/she is also a customer |

| Guest Anyone who is not a customer | |
|------------------------------------|--|
| Stakeholder | Any person who has interaction with the system |
| index page | Home page or main page |

Table 1 Definition and Acronyms

1.2 Overall Description

1.2.1 Business Process Overview

AGC is a web application aiming to connect customers and restaurants together. AGC will be available on modern web browers which also compatible on mobile and tablets devices. The site is reliable and convenient which help users to easily access, search for information about the best places to eat, the promotions, the food and the service provided; refer, evaluate the quality of the venue through user reviews and rates features. Besides, AGC provides information of restaurants addresses, food, and table booking service.

1.2.2 Product Features

AGC provides huge advantages of helping customers to find their best fits restaurants and menus as well all others basic information needed such as contact information, address, etc.

On the other hand, restaurants owner also have chances to show their products and services on AGC, which will gain their potential customers. Besides, the owners will also able to access some business statistical data such as total amount of booking, etc.

Our main functions are grouped by users as follow:

1. Admin

- ✓ Control users' accounts.
- ✓ Add/modify restaurants' categories.
- ✓ Add/modify news.
- ✓ View statistical information.
- ✓ View Customers and Restaurant owners information

2. Customers

- ✓ Access to plenty of restaurant basic information and information of the system as a whole.
- ✓ View specific restaurant information in detail.
- ✓ Reserve tables if needed.
- ✓ Search for interested restaurants or even dishes.
- ✓ View restaurants' list based on interest, address, restaurant category, etc.
- ✓ Interact with social network

3. Restaurant owners

- ✓ Create and publish restaurant information on the websites.
- ✓ View customers table booking as well as customers' basic information.
- ✓ Update table booking status for customers.
- ✓ Interact with social network.

4. Guests

- ✓ View general information in AGC.
- ✓ Register with AGC.

1.2.3 User Characteristic

AGC users are grouped into 4 categories:

- 1 Admin: is AGC system owner, who have a high knowledge in information technology, specifically internet and web service. In practical admin is a person who have a high understanding of overall system and system in detail. Furthermore admin also have to have ability to make a deal with restaurant owners as clients.
- 2 Customers: are anyone who have registered on AGC website, but not restaurant owners. They want to know both general and in detail information of what AGC provides, also need a fast service with friendly user interface.
- 3 Restaurant owners: are anyone who have registered with AGC website as restaurant owner, they want to gain as many customers as possible, also need a clear content manager as well as accurate business statistical data with a cheap prices.
- 4 Guests: are general users who come to browse on AGC website, they might be interested or not interested in finding restaurants, but if they are interested in the want to have found their desirable one.

1.3 Functional Requirements

1.3.1 Activate/deactivate user

Access right: Admin

Description: When admin checks all requirement of registration he/she will immediately activate that specific user. On the other hand the admin also have right to deactivate accounts those are unvalid.

1.3.2 Activate/deactivate restaurant

Access right: Admin

Description: Before any of restaurant information fields to be inserted and display admin will check all requirement and decide whether to activate or not. On the other hand if the restaurant is not valid on the time gone by the admin will also deactivate that account.

1.3.3 Rate restaurant

Access right: Admin

Description: Admin will give rating to restaurants based on restaurant reputation calculate from amount of likes, shares, comments, and about of table booking.

1.3.4 Delete restaurant

Access right: Admin

Description: If a restaurant have vilolate any rules, those considered to be deleted, admin will use this function to delete or if those account which are no longer exist will be removed as well.

1.3.5 Delete user

Access right: Admin

Description: Admin will use this function to remove account that no longer exist or invalid and is condered to be removed.

1.3.6 View statistical data

Access right: Admin

Description: This is the place where admin is able to view amount of restaurants, customers, booking amount and others.

1.3.7 Add/delete category

Access right: Admin

Description: All categories to be used by restaurant will be added by admin.

1.3.8 Write/delete/update news

Access right: Admin

Description: Admin will use this function to publish news to users, meanwhile the admin can also edit and delete the news as well.

1.3.9 View all users

Access right: Admin

Description: Admin will be able to view all users' accounts information.

1.3.10 View restaurant information

Access right: Customer/Restaurant owner

Description: This function allow user to view restaurant information basic information and in detail, which will be display as a list of restaurant or can be displayed as specific restaurant index page.

1.3.11 View all restaurants' categories

Access right: Admin

Description: Admin will be able to view all categories those have been created in AGC system.

1.3.12 View all news

Access right: Admin

Description: Admin will be able to view all news those have been created in AGC system both news that displaying to users and non-displaying news.

1.3.13 View all booking

Access right: Admin

Description: Admin will be able to view all table booking from all restaurants.

1.3.14 View booking detail

Access right: Admin

Description: Admin will be able to view each table booking detail from all restaurants.

1.3.15 Book restaurant

Access right: Customer/Restaurant owner

Description: This function allows customer as well as restaurant owner as a normal users to make a table reservation from any restaurants.

1.3.16 View booking history

Access right: Customer/Restaurant owner

Description: This function allows users to view their table booking history, by simply click on View booing history tab on profile information page.

1.3.17 View account

Access right: Customer/Restaurant owner

Description: This is a general function allows users to view their profile information

1.3.18 Update account

Access right: Customer/Restaurant owner

Description: This is a function that allows users to update their personnel profile information; it will be displayed in the profile pages.

1.3.19 Update password

Access right: Customer/Restaurant owner

Description: Users have ability to change their personnel password, this by access to Change password tab in the account information page.

1.3.20 Add/update/delete restaurant information

Access right: Restaurant owner

Description: This function is strictly used by only restaurant owner, he/she can use this function to add, update, and delete his /her own restaurant information.

1.3.21 Add/update/delete restaurant banner

Access right: Restaurant owner

Description: This function allow user to add banner image to his or her restaurant, the users are able to choose images from their computer devices, and then it will be uploaded to AGC server.

1.3.22 Set restaurant profile picture

Access right: Restaurant owner

Description: User will choose one image from banner images which are added previously to be used as restaurant profile picture.

1.3.23 Add/update/delete food information

Access right: Restaurant owner

Description: This function allows user to add menu/dishes, as well as images, names, description, etc. On the other hand user can also update and deleted as needed.

1.3.24 Update booking status

Access right: Restaurant owner

Description: When customer have fulfilled their table booking or cancelled, or invalid, restaurant will come to manage booking tap and update those status, this status will be display in customers booking history as well.

1.3.25 Register

Access right: Guest

Description: This is a general function that allows none registered users to be able to register their account with AGC.

1.3.26 View general information

Access right: Guest

Description: As a guest, this function allow to none logged in or none account users to view general information from AGC such as home page, about page, user guide page, etc.

1.3.27 View restaurant information

Access right: Guest

Description: This function allow user to view restaurant information in depth by clicking on any restaurant profile pictures or any links provided.

1.3.28 Log in/log out

Access right: Customer/Restaurant owner/Admin

Description: This is a general function allow logged in users to log out by clicking on log out on the top right corner of the header bar, or by clicking on Log out tab in the account page.

1.3.29 Search

Access right: All users

Description: This a function where users can input keyword on the textbox and click on search button to see restaurants results related to their keyword.

1.3.30 Social interaction

Access right: All users

Description: This function use third party software such as Facebook API to allow users to interact with social network on AGC web pages such as like, share, comment, etc.

1.4 Non – Functional Requirements

- ✓ **Availability**: The web application must be available 24/7, even if many users are accessing at the same time.
- ✓ **Maintainability**: Many functions will be added and upgraded in future versions; therefore the codes must be clear and clean, extendable and reusable.
- ✓ **Reliability**: Information display in AGC website must be accurate and reliable.
- ✓ **Portability**: Users must be able to access AGC through any of their modern web browsers and any device and AGC website must display the right screen for the right devices.
- ✓ **User interface friendliness**: Users must be able to understand general GUI by sense, with giving any directions.

2 SOFTWARE REQUIREMENTS SPECIFICATION

2.1 Introduction

2.1.1 Purposes

This SRS aims at describing functional and non-functional requirement in details. This document will be used by project team and stakeholders to review and check the progress of the project as well as giving direction to development team to know what to be implemented and also to assure the system will correctly perform its intended functionalities.

2.1.2 Definition and Acronyms

This section describes the definitions, terms, and acronyms that are used in software requirements specification.

| Items | Description | |
|--|---|--|
| SRS | software requirement specification | |
| Tra Da | group name | |
| AGC | project name | |
| AGC101 | project code | |
| Admin | administrator | |
| GUI | graphical user interface | |
| User | anyone who uses the system | |
| Admin | A website owner and also a person who is given specific permission for managing and controlling the system. | |
| Customer | a user who have registered on the system | |
| Restaurant owner | Someone who has a restaurant and wants his restaurant to be a part the application | |
| Stakeholder | Any person who has interaction with the system | |
| User | anyone who uses the system | |
| Admin | A website owner and also a person who is given specific permission for managing and controlling the system and also be a customer | |
| Customer a user who have registered on the system | | |
| Restaurant owner Someone who has a restaurant and wants his restaurant | | |

| | be a part the application, and he/she is also a customer | |
|-------------|--|--|
| Guest | anyone who is not a Customer | |
| Stakeholder | Any person who has interaction with the system | |
| index page | home page or main page | |
| http | Hypertext Transfer Protocol | |
| CodeIgniter | Php framework | |

Table 2 Definition and Acronyms

2.2 System Purpose

The purpose of developing AGC web application is divided into 2 main categories:

- 1. To provide solution for users who are looking for restaurant information before entering to the physical place.
- 2. To provide a cheap channel for restaurant owner to publish their products and/or services to gain potential customers.

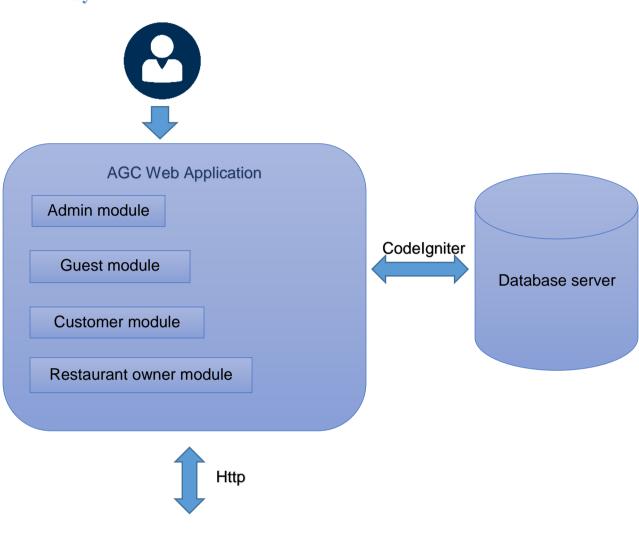
The users can be any people who just have no idea of what/where to be eating, or can be any people just need more information about restaurants, therefore, AGC come into take place. We aim to connect consumers and providers together. Finally, it will benefits all sides.

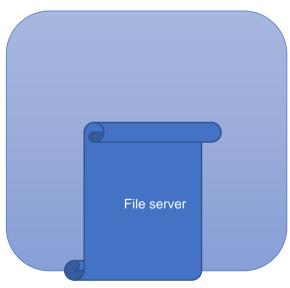
2.3 Scope

- The system aim to develop for web platform which can be accessible from all types of devices with responsive GUI.
 - All restaurants to be displayed of AGC website will be inside Hanoi, Vietnam only.
 - Language to be used is Vietnamese.
 - The functions to be developed are based on 4 types of users:
 - Admin
 - Customer
 - Restaurant owner
 - Guest

2.4 Overall Description

2.4.1 System overview





AGC system comprises of 3 part: Web server, File server, and database server.

Webserver will be used for managing and displaying information about restaurants and the system as a whole. Every function will be kept in its own module. Admin module will be used by admin, Restaurant owner module will be used by restaurant owner, Customer module will be used by customer, and Guest module will be used by guest.

File server will be used for storing and managing image files.

Database server is where contents and information are stored. Web server will communicate with the database to get data, add, delete and update contents on the website.

2.4.2 Product Features

AGC system has following group of main functions and supported functions

| Use case No. | Group of function | Function | Description |
|--------------|---------------------|--------------------------------|---|
| UC001 | Admin management | Activate/deactivate user | Allow users who have account to use system or not |
| | | Activate/deactivate restaurant | Allow restaurant information to display on AGC website or not |
| | | Rate restaurant | Increase or decrease restaurant rating |
| | | Delete restaurant | Remove all restaurant data |

| | | Delete user | Delete account registered in AGC system |
|-------|------------------------|--------------------------|---|
| | | View statistical data | View total number of restaurant, table booking, etc. |
| | | Add/delete category | Add new or delete category to be used by restaurant |
| | | Write/delete/update news | Fully modify and publish news |
| | | View all users | View users' accounts |
| | | View all categories | View restaurant' categories those available on AGC system |
| | | View all restaurant | View restaurants' information to decide whether to activate or deactivate |
| | | View all news | Views all news those have been written in AGC system |
| | | View all booking | View all tables booking |
| | | View detail booking | Views each table booking in detail |
| UC002 | Customer management | Login | General function used for login to the system |
| | | Logout | General function used for logout of the system |

| | | View restaurant information | View index page of the restaurant |
|-------|------------------|-----------------------------|---|
| | | Book restaurant | Book tables in a restaurant |
| | | View booking history | View all his/her own tables booking details |
| | | View account | View information related to personnel information |
| | | Update password | Change password |
| UC003 | Restaurant owner | Add/update/delete | Fully modify his/her own |
| | management | restaurant information | restaurant information |
| | | Add/update/delete | Fully modify his/her own |
| | | restaurant banner | restaurant banner images |
| | | Set restaurant profile | Choose image from |
| | | picture | banner images to use us |
| | | | restaurant profile picture |
| | | Add/update/delete food | Fully modify dishes/menu |
| | | information | in his/her own restaurant |
| | | Update booking status | Change table booking status for customers |
| UC004 | Guest | Register | Become a member or |
| | management | | customer of AGG website |
| | | View general | View all general |
| | | information | information which is not |
| | | | reserved for only specific |
| | | | users |
| | | View restaurant | View restaurant |
| | | information | information in detail in |
| | | | restaurant index page |

| Search | General function used for search restaurant based on users keyword |
|---------|--|
| Like | Like a restaurant using Facebook account |
| Comment | Comment a restaurant using Facebook account |
| Share | Share a restaurant using Facebook account |

Note: Admin and Restaurant owners are able to perform all functionalities those customers are able to, Customer can perform all functionalities those Guest is able to except register

Table 3 AGC product features

2.4.3 User Characteristics

There are 4 types of users in AGC system: Admin, Customer, Restaurant owner, and Guest. Each type of users is able to perform only his own functionalities which is clearly described in product features and other parts in this document. The users only need internet connection and a web browsers to access AGC system.

2.4.4 User Documentation

In AGC website there will be a user guide tap for users, which will be displayed on the top of the navigation bar. The contents will instruct users to have more understanding about AGC systems. This includes: instruction for restaurant owner to manage contents, Answers to users for those that might have, and many more.

2.4.5 Assumption

AGC has made the following assumption in developing this system

- The functionalities provided will be enough for restaurant owners to manage their basic restaurant contents
- Restaurant owner will visit the website daily or hourly to check if there is a table booking
 - Users have electronic devices those can connect to the internet.
- General data inserted by users which is cannot be checked by the system will be accurate
- Users will have prior social network account such as Facebook and Email to perform social network interaction functions

2.5 Entity Relation Model

2.5.1 Entity-Relationship Diagram

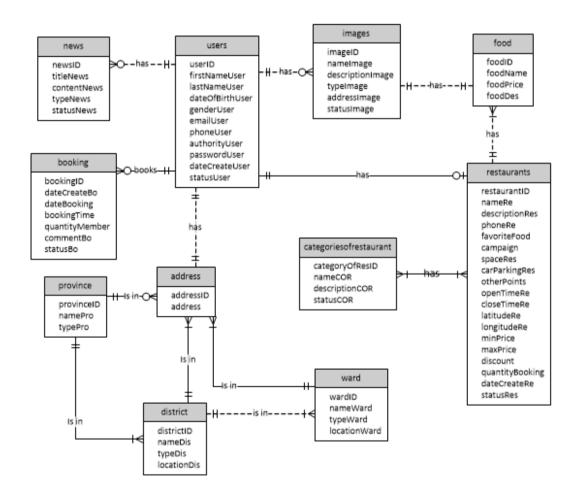


Figure 1 AGC entity relationship diagram

2.5.2 Entity Detail

| Entity name | Description | Occurrence |
|------------------------|--|--|
| Address | Users' specific address | Each address is occupied by a user |
| Booking | Making reservation or book tables in restaurants | Each booking is made by a customer |
| News | news that posted in a website | News is information that admin want to send to users |
| Users | All people who visit AGC website | There are admin, customer, restaurant owner and guest as users |
| Images | A general term describes all images | Each image will be added by a user |
| Food | a term describes menu or dishes | Food is a menu in a restaurant |
| Restaurants | A general term describes all restaurants | Each restaurant has one restaurant owner |
| categoriesofrestaurant | Restaurants category | categoriesofrestaurant Is a type of restaurant |
| Ward | A term describes a villages | A ward is an address of users |
| District | A general term describes all districts | A district is an address of users |
| Province | A general term describes all provinces | A province is an address of users |

Table 4: Entity data dictionary

2.6 Functional Specification

2.6.1 UC001 Admin management

2.6.1.1 Use Case Diagram

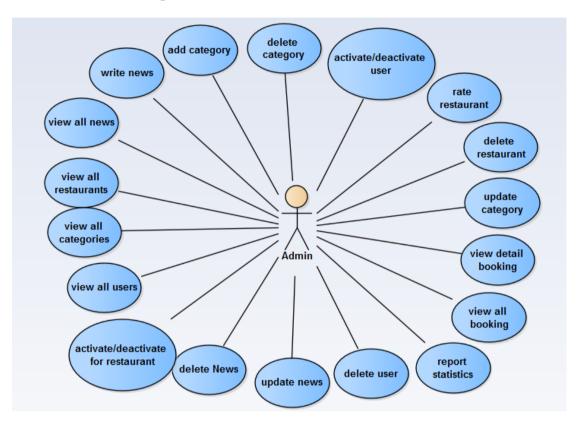


Figure 2 AGC admin management use case diagram

2.6.1.2 Use Case Specification

2.6.1.2.1 UC001 – 01 Write news

| Use Case ID | UC001-01 | Version | 1.0 |
|-------------|--|---------|-----|
| Use Name | Write news | | |
| Actor | Admin | | |
| Description | The function allows admin to create new news in AGC. | | |

| Precondition | | After admin login AGC, choose "Quản trị" → "Tin tức" → "Thêm mới" | | |
|--|-------------------------------------|--|--|--|
| Trigger | | Click button "Cập nhật" | | |
| Post-Condition | | Message "Cập nhật thành công" appear and redirect to list news screen. | | |
| Main | flows | | | |
| Step | Actor | Action | | |
| 1 | Admin | User types the URL into internet browser and then enters. | | |
| 2 | AGC | The system displays Login screen | | |
| 3 | Admin | Enter the username and password into the login panel. | | |
| 4 | AGC | Display Home screen | | |
| 5 Admin Click the "Quan tri!" Tab from the menu panel. | | Click the "Quan tri" Tab from the menu panel. | | |
| 6 AGC Display Admin screen | | Display Admin screen | | |
| 7 Admin Click "Tin tức" → "Thêm mới" | | Click "Tin tức" → "Thêm mới" | | |
| 8 | AGC | Display create news screen | | |
| 9 | Admin | Enter new data for news. | | |
| 10 | Admin | Click button "Cập nhật" | | |
| 11 | 1 AGC Display success update status | | | |
| 12 | 12 AGC Go to list news screen | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| Alteri | Alternative flows | | | |
|--------|--|-------------------------------|--|--|
| AT1 | At step 10 in the main flows, if admin click button "Quay về" | | | |
| Step | Actor | Actor Action | | |
| 10.1 | Admin | Click button "Quay về" | | |
| 11.1 | AGC | Go to list news screen | | |
| | | | | |
| Alteri | native flows | | | |
| AT2 | At step 10 in the main flows, if admin do not full information | | | |
| Step | Actor | Action | | |
| 11.2 | AGC | Error message appear. | | |
| 12.2 | Admin | Enter full information | | |
| 13.2 | 2 Admin Click button "Cập nhật" | | | |
| 14.2 | AGC | Display success update status | | |
| 15.2 | AGC | Go to list news screen | | |
| | | | | |

2.6.1.2.2 UC001 – 02 Create category

| Use Case ID | UC001-02 | Version | 1.0 |
|--------------|--|---------|-----|
| Use Name | Create category | | |
| Actor | Admin | | |
| Description | The function allows admin to create new categories in AGC. | | |
| Precondition | After admin login AGC, choose "Quản trị" → "Danh mục" → "Thêm mới" | | |
| Trigger | Click button "Luu" | | |

| Post- | Post-Condition Redirect to list categories screen | | | | |
|-------------------|--|---|--|--|--|
| Main | Main flows | | | | |
| Step | Actor Action | | | | |
| 1 | Admin | User types the URL into internet browser and then enters. | | | |
| 2 | AGC | The system displays Login screen | | | |
| 3 | Admin | Enter the username and password into the login panel. | | | |
| 4 | AGC | Display Home screen | | | |
| 5 | Admin | Click the "Quản trị" Tab from the menu panel. | | | |
| 6 | AGC | Display Admin screen | | | |
| 7 | Admin | Click "Danh mục" → "Thêm mới" | | | |
| 8 | AGC | Display create category screen | | | |
| 9 | Admin | Enter new data for category. | | | |
| 10 | Admin | Click button "Luu" | | | |
| 11 | AGC | Go to list categories screen | | | |
| | | | | | |
| Alter | native flows | | | | |
| AT1 | At step 10 | in the main flows, if admin click button "Quay về" | | | |
| Step | Actor | Action | | | |
| 10.1 | Admin | Click button "Quay về" | | | |
| 11.1 | AGC Go to list category screen | | | | |
| | | | | | |
| Alternative flows | | | | | |
| AT2 | At step 10 in the main flows, if admin do not full information | | | | |

| Step | Actor | Action |
|------|-------|-------------------------------|
| 11.2 | AGC | Error message appear. |
| 12.2 | Admin | Enter full information |
| 13.2 | Admin | Click button "Luru" |
| 14.2 | AGC | Display success update status |
| 15.2 | AGC | Go to list category screen |

2.6.1.2.3 UC001 – 03 Update news

| Use C | Case ID | UC001-03 Version 1.0 | | | | |
|---|----------|--|-----------------------|--------------|--|--|
| Use N | lame | Update News | | | | |
| Actor | • | Admin | | | | |
| Descr | ription | The function allows adm | in to edit new news i | n AGC. | | |
| Preco | ondition | After admin login AGC, choose "Quản trị" → "Tin tức" → "Xem" | | | | |
| | | 710111 | | | | |
| Trigg | ger | Click button "Cập nhật" | | | | |
| Post-Condition Message "Cập nhật thành công" appear and r | | | redirect to list news | | | |
| | screen. | | | | | |
| Main | flows | | | | | |
| Step | Actor | Action | | | | |
| 1 | Admin | User types the URL into | internet browser and | then enters. | | |
| 2 | AGC | AGC The system displays Login screen | | | | |
| 3 | Admin | Enter the username and password into the login panel. | | | | |
| 4 | AGC | Display Home screen | | | | |
| 5 | Admin | Click the "Quản trị" Tab from the menu panel. | | | | |

| 6 | AGC | Display Admin screen | | | |
|-------|---|--------------------------------------|--|--|--|
| 7 | Admin | Click "Tin tức" | | | |
| 8 | AGC | Display list news screen | | | |
| 9 | Admin | Click "Xem" to view and edit a news. | | | |
| 10 | AGC | Display information of news. | | | |
| 11 | Admin | Edit data in news. | | | |
| 12 | Admin | Click button "Cập nhật" | | | |
| 13 | AGC | Display success update status | | | |
| 14 | AGC | Go to list news screen | | | |
| | | | | | |
| Alter | Alternative flows | | | | |
| AT1 | At step 10 in the main flows, if admin click button "Quay về" | | | | |
| Step | Actor | Action | | | |
| 10.1 | Admin | Click button "Quay vè" | | | |

2.6.1.2.4 UC001 – 04 Update category

AGC

11.1

| Use Case ID | UC001-04 | Version | 1.0 |
|--------------|---|---------|-----|
| Use Name | Update category | | |
| Actor | Admin | | |
| Description | The function allows admin to update category in AGC. | | |
| Precondition | After admin login AGC, choose "Quản trị" → "Danh mục" → "Sửa" | | |
| Trigger | Click button "Luu" | | |

Go to list category screen

| Condition | Redirect to list categories screen | | | |
|--|---|--|--|--|
| Main flows | | | | |
| p Actor Action | | | | |
| Admin | User types the URL into internet browser and then enters. | | | |
| AGC | The system displays Login screen | | | |
| Admin | Enter the username and password into the login panel. | | | |
| AGC | Display Home screen | | | |
| Admin | Click the "Quản trị" Tab from the menu panel. | | | |
| AGC | Display Admin screen | | | |
| Admin | Click "Danh mục" | | | |
| AGC | Display list categories screen | | | |
| Admin | Update new data for category. | | | |
| Admin | min Click button "Luru" | | | |
| AGC Go to list categories screen | | | | |
| | | | | |
| Alternative flows | | | | |
| T1 At step 10 in the main flows, if admin click button "Quay về" | | | | |
| Actor | Action | | | |
| Admin | Click button "Quay vè" | | | |
| AGC | Go to list categories screen | | | |
| | Actor Admin AGC Admin Admin AGC Admin Admin AGC | | | |

2.6.1.2.5 UC001 – 05 Delete news

| Use Case ID | UC001-05 | Version | 1.0 |
|--------------------|----------|---------|-----|
| | | | |

| Use Name | | Delete News | | | |
|-------------|--|---|--|--|--|
| Actor | | Admin | | | |
| Description | | The function allows admin to delete news in AGC. | | | |
| Preco | ndition | After admin login AGC, choose "Quản trị" → "Tin tức" | | | |
| Trigger | | Click button "Xóa" | | | |
| Post-C | Condition | Refresh list news screen. | | | |
| Main | flows | | | | |
| Step | Actor | Action | | | |
| 1 | Admin | User types the URL into internet browser and then enters. | | | |
| 2 | AGC | The system displays Login screen | | | |
| 3 | Admin | Enter the username and password into the login panel. | | | |
| 4 | AGC | Display Home screen | | | |
| 5 | Admin | Click the "Quan tri" Tab from the menu panel. | | | |
| 6 | AGC | Display Admin screen | | | |
| 7 | Admin | Click "Tin tức" | | | |
| 8 | AGC | Display list news screen | | | |
| 9 | Admin | Click "Xóa" to delete a news. | | | |
| 10 | AGC Display dialog with message "Xóa XXX". | | | | |
| 11 | Admin Click button "OK". | | | | |
| 12 | AGC | Refresh list news screen. | | | |
| | | | | | |
| Alterr | Alternative flows | | | | |
| AT1 | At step 9 in the main flows, if admin click button "Hůy" | | | | |

| Step | Actor | Action |
|------|-------|-------------------------|
| 9.1 | Admin | Click button "Hůy" |
| 10.1 | AGC | Return list news screen |

2.6.1.2.6 UC001 – 06 Delete category

| Use Case ID | | UC001-06 | Version | 1.0 | |
|--------------|------------|---|---------|-----|--|
| Use Name | | Delete category | | | |
| Actor | | Admin | | | |
| Description | | The function allows admin to delete category in AGC. | | | |
| Precondition | | After admin login AGC, choose "Quản trị" → "Danh mục" | | | |
| Trigger | | Click button "Xóa". | | | |
| Post- | Condition | Refresh list news screen. | | | |
| Main | Main flows | | | | |
| Step | Actor | Action | | | |
| 1 | Admin | User types the URL into internet browser and then enters. | | | |
| 2 | AGC | The system displays Login screen | | | |
| 3 | Admin | Enter the username and password into the login panel. | | | |
| 4 | AGC | Display Home screen | | | |
| 5 | Admin | Click the "Quan tri" Tab from the menu panel. | | | |
| 6 | AGC | Display Admin screen | | | |
| 7 | Admin | Click "Danh mục" | | | |
| 8 | AGC | Display list categoríe screen | | | |
| 9 | Admin | Click "Xóa" to delete a category. | | | |

| 10 | AGC | Display dialog with message "Xóa XXX". | | | |
|-------|--|--|--|--|--|
| 11 | Admin | Click button "OK". | | | |
| 12 | AGC | Refresh list categories screen. | | | |
| | | | | | |
| Alter | Alternative flows | | | | |
| AT1 | At step 9 in the main flows, if admin click button "Hůy" | | | | |
| Step | Actor | Action | | | |
| | | | | | |
| 9.1 | Admin | Click button "Hůy" | | | |

2.6.1.2.7 UC001 – 07 Activate/deactivate restaurant

| Use C | Case ID | UC001-07 | Version | 1.0 |
|----------------|---------|--|---------|-----|
| Use Name | | Activate/deactivate restaurant | | |
| Actor Admin | | | | |
| Descr | ription | The function allows admin to active/deactive for restaurant in AGC. | | |
| Precondition | | After admin login AGC, choose "Quản trị" → "Nhà hàng" → "Sửa" | | |
| Trigger | | Click button "Luu". | | |
| Post-Condition | | Message "Cập nhật thành công" appear and redirect to list restaurant screen. | | |
| Main flows | | | | |
| Step | Actor | Action | | |
| 1 | Admin | User types the URL into internet browser and then enters. | | |

| 2 | AGC | The system displays Login screen | | | |
|---------|---|---|--|--|--|
| 3 | Admin | Enter the username and password into the login panel. | | | |
| <i></i> | Admin | | | | |
| 4 | AGC | Display Home screen | | | |
| 5 | Admin | Click the "Quản trị" Tab from the menu panel. | | | |
| 6 | AGC | Display Admin screen | | | |
| 7 | Admin | Click "Nhà hàng" → "Sửa" | | | |
| 8 | AGC | Display detail restaurant screen | | | |
| 9 | Admin | Tick "Kích hoạt" to active/deactive user. | | | |
| 10 | Admin | Click button "Luu". | | | |
| 11 | AGC | Display success update status | | | |
| 12 | AGC Go to list restaurant screen. | | | | |
| | | | | | |
| Alter | Alternative flows | | | | |
| AT1 | At step 10 in the main flows, if admin click button "Quay về" | | | | |
| Step | Actor Action | | | | |
| 10.1 | Admin | Click button "Quay về" | | | |
| 11.1 | AGC | Return list restaurant screen. | | | |

2.6.1.2.8 UC001 – 08 Delete restaurant

| Use Case ID | UC001-08 | Version | 1.0 |
|-------------|--|---------|-----|
| Use Name | Delete restaurant | | |
| Actor | Admin | | |
| Description | The function allows admin to delete restaurant in AGC. | | |

| Precondition | | After admin login AGC, choose "Quản trị" → "Nhà hàng" | | | |
|-----------------------|--|---|--|--|--|
| Trigg | er | Click button "Xóa". | | | |
| Post-Condition | | Refresh list restaurant screen. | | | |
| Main | flows | | | | |
| Step | Actor | Action | | | |
| 1 | Admin | User types the URL into internet browser and then enters. | | | |
| 2 | AGC | The system displays Login screen | | | |
| 3 | Admin | Enter the username and password into the login panel. | | | |
| 4 | AGC | Display Home screen | | | |
| 5 | Admin | Click the "Quản trị" Tab from the menu panel. | | | |
| 6 | AGC | Display Admin screen | | | |
| 7 | Admin | Click "Nhà hàng" | | | |
| 8 | AGC | Display list restaurant screen | | | |
| 9 | Admin | Click "Xóa" to delete a restaurant. | | | |
| 10 | AGC | Display dialog with message "Xóa XXX". | | | |
| 11 | Admin Click button "OK". | | | | |
| 12 | AGC | Refresh list restaurant screen. | | | |
| | | | | | |
| Alternative flows | | | | | |
| AT1 | At step 9 in the main flows, if admin click button "Hůy" | | | | |
| Step | Actor | Action | | | |
| 9.1 | Admin | Click button "Hůy" | | | |
| 10.1 | AGC | Return list restaurant screen | | | |

2.6.1.2.9 UC001 – 09 Rate restaurant

| Use C | Case ID | UC001 - 09 | Version | 1.0 | |
|----------------|---------|--|---|--------------|--|
| Use Name | | Rate restaurant | | | |
| Actor | | Admin | | | |
| Description | | The function allows adm | in to rate restaurant i | n AGC. | |
| Precondition | | After admin login AGC, choose "Quản trị" → "Nhà hàng" → "Sửa" | | | |
| Trigger | | Click button "Luu". | | | |
| Post-Condition | | Message "Cập nhật thành công" appear and redirect to list restaurant screen. | | | |
| Main | flows | | | | |
| Step | Actor | Action | Action | | |
| 1 | Admin | User types the URL into | internet browser and | then enters. | |
| 2 | AGC | The system displays Login screen | | | |
| 3 | Admin | Enter the username and J | Enter the username and password into the login panel. | | |
| 4 | AGC | Display Home screen | | | |
| 5 | Admin | Click the "Quản trị" Tab from the menu panel. | | | |
| 6 | AGC | Display Admin screen | Display Admin screen | | |
| 7 | Admin | Click "Nhà hàng" → "Sửa" | | | |
| 8 | AGC | Display detail restaurant | screen | | |
| 9 | Admin | Choose value in "Đánh giá chất lượng" to rate restaurant. | | | |
| 10 | Admin | Click button "Luu". | | | |
| 11 | AGC | Display success update status | | | |
| 12 | AGC | Go to list restaurant screen. | | | |
| | | | | | |

| Alternative flows | | | |
|-------------------|---|--------------------------------|--|
| AT1 | At step 10 in the main flows, if admin click button "Quay về" | | |
| Step | Actor | Action | |
| 10.1 | Admin | Click button "Quay về" | |
| 11.1 | AGC | Return list restaurant screen. | |

2.6.1.2.10 UC001 – 10 Delete user

| Use Case ID | | UC001-10 | Version | 1.0 |
|-------------|-----------|---|----------------------|---------------|
| Use Name | | Delete user | | |
| Actor | | Admin | | |
| Description | | The function allows admin to delete user in AGC. | | |
| Preco | ondition | After admin login AGC, | choose "Quản trị" — | · "Tài khoản" |
| Trigg | ger | Click button "Xóa". | | |
| Post- | Condition | Refresh list user screen. | | |
| Main | flows | | | |
| Step | Actor | Action | | |
| 1 | Admin | User types the URL into | internet browser and | then enters. |
| 2 | AGC | The system displays Log | rin screen | |
| 3 | Admin | Enter the username and password into the login panel. | | |
| 4 | AGC | Display Home screen | | |
| 5 Admin | | Click the "Quan tri" Tab from the menu panel. | | |
| 6 | AGC | Display Admin screen | | |
| 7 | Admin | Click "Tài khoản" | | |

| 8 | AGC | Display list user screen | | |
|-------|-------------------|---|--|--|
| 9 | Admin | Click "Xóa" to delete a user. | | |
| 10 | AGC | Display dialog with message "Xóa XXX". | | |
| 11 | Admin | Click button "OK". | | |
| 12 | AGC | Refresh list user screen. | | |
| | | | | |
| Alter | Alternative flows | | | |
| AT1 | At step 9 is | n the main flows, if admin click button "Hůy" | | |
| Step | Actor | Action | | |
| 9.1 | Admin | Click button "Hůy" | | |
| | Aumin | Chek button Truy | | |
| 10.1 | AGC | Return list user screen | | |

2.6.1.2.11 UC001 – 11 Activate/deactivate user

| Use Case ID | | UC001-11 | Version | 1.0 |
|-----------------------|--|--|---------|-----|
| Use Name | | Activate/deactivate user | | |
| Actor | | Admin | | |
| Description | | The function allows admin to deactive/active in AGC. | | |
| Precondition | | After admin login AGC, choose "Quản trị" → "Tài khoản" | | |
| Trigger | | Click button "Cập nhật". | | |
| Post-Condition | | Redirect to list user screen. | | |
| Main flows | | | | |
| Step Actor | | Action | | |

| Admin | User types the URL into internet browser and then enters. |
|--------------|--|
| AGC | The system displays Login screen |
| Admin | Enter the username and password into the login panel. |
| AGC | Display Home screen |
| Admin | Click the "Quản trị" Tab from the menu panel. |
| AGC | Display Admin screen |
| Admin | Click "Tài khoản" → "Sửa" |
| AGC | Display detail restaurant screen |
| Admin | Tick "Duyệt" to deactive/active user. |
| Admin | Click button "Cập nhật". |
| AGC | Display success update status |
| AGC | Go to list user screen. |
| | |
| native flows | |
| At step 10 | in the main flows, if admin click button "Quay về" |
| Actor | Action |
| Admin | Click button "Quay về" |
| AGC | Return list user screen. |
| | AGC Admin AGC Admin AGC Admin AGC Admin AGC Admin AGC Admin AGC AGC AGC AGC AGC AGC At step 10 Actor Admin |

2.6.1.2.12 UC001 – 12 View all news

| Use Case ID | UC001-12 | Version | 1.0 |
|-------------|---------------|---------|-----|
| Use Name | View all news | | |
| Actor | Admin | | |

| Description | | The function allows admin to view all news in AGC. |
|---|--|---|
| Precondition | | After admin login AGC, choose "Quản trị" → "Tin tức" |
| Trigger | | Click button "Tất cả" |
| Post- | Condition | Díplay list news screen. |
| Main | flows | |
| Step | Actor | Action |
| 1 | Admin | User types the URL into internet browser and then enters. |
| 2 | 2 AGC The system displays Login screen | |
| 3 Admin Enter the username and password into the login pa | | Enter the username and password into the login panel. |
| 4 | AGC | Display Home screen |
| 5 | Admin | Click the "Quan tri" Tab from the menu panel. |
| 6 | AGC | Display Admin screen |
| 7 Admin | | Click "Tin tức" → "Tất cả" |
| 8 AGC | | Díplay list news screen. |
| | | |

2.6.1.2.13 UC001 – 13 View all categories

| Use Case ID | UC001-13 | Version | 1.0 |
|--------------------------------------|--|---------|-----|
| Use Name | View all categories | | |
| Actor | Admin | | |
| Description | The function allows admin to view all categories in AGC. | | |
| Precondition | After admin login AGC, choose "Quản trị" → "Danh mục" | | |
| Trigger Click button "Tất cả" | | | |

| Post-Condition | | Display list categories screen. | |
|-----------------------|-----------------------------------|---|--|
| Main flows | | | |
| Step Actor Action | | Action | |
| 1 | Admin | User types the URL into internet browser and then enters. | |
| 2 | AGC | The system displays Login screen | |
| 3 | Admin | Enter the username and password into the login panel. | |
| 4 | AGC | Display Home screen | |
| 5 | Admin | Click the "Quan tri" Tab from the menu panel. | |
| 6 | AGC | Display Admin screen | |
| 7 | Admin Click "Danh mục" → "Tất cả" | | |
| 8 AGC I | | Díplay list categories screen. | |
| | | | |

2.6.1.2.14 UC001 – 14 View all restaurants

| Use C | ase ID | UC001-14 | Version | 1.0 |
|----------------|--------|---|---------|-----|
| Use Name | | View all restaurants | | |
| Actor | | Admin | | |
| Description | | The function allows admin to view all restaurants in AGC. | | |
| Precondition | | After admin login AGC, choose "Quan tri" | | |
| Trigger | | Click button "Nhà hàng" | | |
| Post-Condition | | Display list restaurants screen. | | |
| Main flows | | | | |
| Step | Actor | Action | | |

| 1 | Admin | User types the URL into internet browser and then enters. |
|---|-------|---|
| 2 | AGC | The system displays Login screen |
| 3 | Admin | Enter the username and password into the login panel. |
| 4 | AGC | Display Home screen |
| 5 | Admin | Click the "Quan tri" Tab from the menu panel. |
| 6 | AGC | Display Admin screen |
| 7 | Admin | Click "Nhà hàng" |
| 8 | AGC | Display list restaurants screen. |
| | | |

2.6.1.2.15 UC001 – 15 View all users

| Use C | ase ID | UC001-15 | Version | 1.0 |
|--------------|-----------|---|-----------------------|-------------|
| Use Name | | View all users | | |
| Actor | | Admin | | |
| Description | | The function allows admin to view all users in AGC. | | |
| Precondition | | After admin login AGC, choose "Quản trị" | | |
| Trigger | | Click button "Tài khoản" | | |
| Post-C | Condition | Display list users screen. | | |
| Main | flows | | | |
| Step | Actor | Action | | |
| 1 Admin | | User types the URL into internet browser and then enters. | | |
| 2 | AGC | The system displays Login screen | | |
| 3 Admin | | Enter the username and | d password into the l | ogin panel. |

| 4 | AGC | Display Home screen |
|---|-------|---|
| 5 | Admin | Click the "Quan tri" Tab from the menu panel. |
| 6 | AGC | Display Admin screen |
| 7 | Admin | Click "Tài khoản" |
| 8 | AGC | Display list users screen. |
| | | |

2.6.1.2.16 UC001 – 16 View all booking

| Use Case ID | | UC001-16 Version 1.0 | | 1.0 |
|-------------|-----------|---|-----------------------|-------------|
| Use Name | | View all booking | | |
| Actor | | Admin | | |
| Descr | iption | The function allows ad | lmin to view all book | ing in AGC. |
| Preco | ndition | After admin login AG | C, choose "Quản trị" | |
| Trigg | er | Click button "Đặt chỗ' | , | |
| Post-0 | Condition | Display list booking screen. | | |
| Main flows | | | | |
| Step | Actor | Action | | |
| 1 | Admin | User types the URL into internet browser and then enters. | | |
| 2 | AGC | The system displays Login screen | | |
| 3 | Admin | Enter the username and password into the login panel. | | ogin panel. |
| 4 | AGC | Display Home screen | | |
| 5 | Admin | Click the "Quản trị" Tab from the menu panel. | | |
| 6 | AGC | Display Admin screen | | |

| 7 | Admin | Click "Đặt chỗ" |
|---|-------|------------------------------|
| 8 | AGC | Display list booking screen. |

2.6.1.2.17 UC001 – 17 View detail booking

| Use Case ID | | UC001-17 | Version | 1.0 | |
|-------------|-----------|---|---|----------------|--|
| Use Name | | View detail booking | | | |
| Actor | | Admin | | | |
| Descr | iption | The function allows ad | lmin to view detail b | ooking in AGC. | |
| Preco | ndition | After admin login AG | C, choose "Quản trị" | → "Đặt chỗ" | |
| Trigg | er | Click button "Xem" | | | |
| Post-G | Condition | Display detail booking | screen. | | |
| Main | flows | | | | |
| Step | Actor | Action | | | |
| 1 | Admin | User types the URL in | User types the URL into internet browser and then enters. | | |
| 2 | AGC | The system displays Login screen | | | |
| 3 | Admin | Enter the username and password into the login panel. | | | |
| 4 | AGC | Display Home screen | | | |
| 5 | Admin | Click the "Quan tri" Tab from the menu panel. | | nel. | |
| 6 | AGC | Display Admin screen | | | |
| 7 | Admin | Click "Đặt chỗ" → "Xem" | | | |
| 8 | AGC | Display detail booking screen. | | | |
| | | | | | |

2.6.1.2.18 UC001 – 18 Report statistics

| Use C | ase ID | UC001-18 | Version | 1.0 | |
|----------|-----------|---|---|------------|--|
| Use Name | | Report statistics | | | |
| Actor | | Admin | | | |
| Descr | iption | The function allows ad | lmin to report statisti | cs in AGC. | |
| Preco | ndition | After admin login AG | C, choose "Quản trị" | | |
| Trigg | er | Click button "Báo cáo" | , | | |
| Post-0 | Condition | Display report statistic | s screen. | | |
| Main | flows | | | | |
| Step | Actor | Action | Action | | |
| 1 | Admin | User types the URL in | User types the URL into internet browser and then enters. | | |
| 2 | AGC | The system displays Login screen | | | |
| 3 | Admin | Enter the username and | Enter the username and password into the login panel. | | |
| 4 | AGC | Display Home screen | Display Home screen | | |
| 5 | Admin | Click the "Quan tri" Tab from the menu panel. | | nel. | |
| 6 | AGC | Display Admin screen | | | |
| 7 | Admin | Click "Báo cáo" | | | |
| 8 AGC | | Display report statistics screen. | | | |
| | | | | | |

2.6.2 UC002 Customer management

2.6.2.1 Use Case Diagram

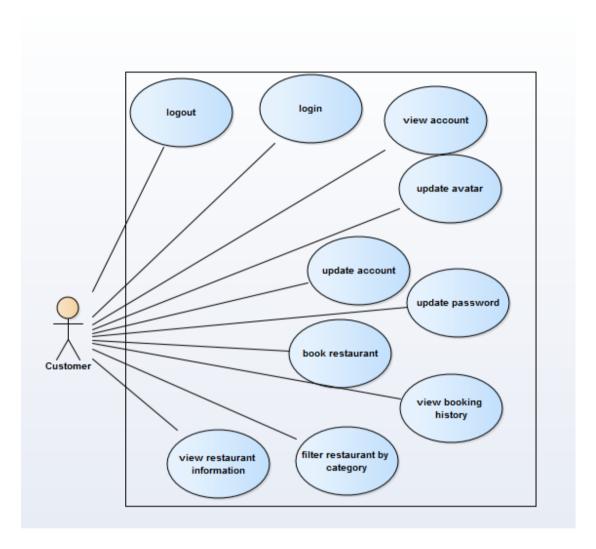


Figure 3 AGC customer use case diagram

2.6.2.2 Use Case Specification

2.6.2.2.1 UC002 – 01 Login

| Use Case ID | UC002 - 01 | Version | 1.0 |
|-------------|---------------|----------------------|-------|
| Use Name | Login | | |
| Actor | Admin or Rest | taurant owner or Cus | tomer |

| Description | | | The function allows a user to login in the software when he/she have registered an account and his/her account is still active. |
|--|------------------|--|---|
| Preco | ndition | | Enter http://angivn.top/ in web browsers and click on login button in the top right of the header bar |
| Trigg | er | | Logging in dialog is displayed |
| Post- | Condition | | User login to his/her account successful |
| Main | flows | | |
| Step | Actor | | Action |
| 1 | Customer | | Enter user name & password into User Name & Password fields on the Login screen, then click on Login button. |
| 2 | AGC | | Validate the entered user name & password and then display Home screen |
| | | | |
| Alteri | native flows | | |
| AT1 | on step 2 i | in the r | main flows, if AGC failed to validate user name & |
| Step | Actor | Action | n |
| 1 | AGC | Display dialog with message "Tên đăng nhập không đúng" | |
| 2 | Customer Click ' | | "ok" button |
| 3 | AGC Return | | n to login dialog |
| Business Rules: - User name is required - Password is required | | | |

2.6.2.2.2 UC002 – 02 Logout

| Use C | Case ID | UC002 - 02 | Version | 1.0 |
|-------------------|-----------|--|----------------------|--------|
| Use N | ame | Logout | | |
| Actor | , | Admin or Restaurant owner or Customer | | |
| Descr | iption | The function allows a u | ser to logout of the | system |
| Preco | ndition | users have logged in | | |
| Trigg | er | log out button is clicked | | |
| Post- | Condition | home page is display with login button in the navigation bar | | |
| Main flows | | | | |
| Step | Actor | Action | | |
| 1 | Customer | Click on logout button | | |
| 2 AGC | | Display home page with login button in the navigation bar | | |
| Alternative flows | | | | |
| AT1 | N/A | | | |

2.6.2.2.3 UC002 – 03 View account

| Use Case ID | UC002 – 03 | Version | 1.0 |
|--------------|--|----------------------|-----|
| Use Name | View account | | |
| Actor | Customer | | |
| Description | The function allows a user to view when he/she have registered an account and his/her account is still active. | | |
| Precondition | User login AGC website | by registered accoun | t |

| Trigger | | Clicks on Thông tin cá nhân |
|---------|-----------|---|
| Post- | Condition | Show information of Customer in Account management screen |
| Main | flows | |
| Step | Actor | Action |
| 1 | Customer | Clicks on Thông tin cá nhân in AGC Dashboard |
| 2 | AGC | Display View Customer screen with the following fields: - Left menu: avatar, ID Angi, User name, Account Information, Booking History, Password Change, Logout. - Tên - Email - Ngày sinh - Giới tính - Cập nhật button |
| 3 | Customer | View all their information. |

2.6.2.2.4 UC002 – 04 Update account

| Use Case ID | UC002 - 04 | Version | 1.0 |
|--------------|--|---------------------|-----|
| Use Name | Update account | | |
| Actor | Customer | | |
| Description | The function allows user to update his/her account information when he/she have registered an account and his/her account is still active. | | |
| Precondition | User is staying in Accou | nt management scree | n |

| Trigg | er | User profile page is displayed |
|-------|-----------|---|
| Post- | Condition | Show new information of Customer in Account management |
| | | screen |
| Main | flows | |
| Step | Actor | Action |
| 1 | Customer | Update his/ her account information: |
| | | - Tên |
| | | - Email |
| | | - Ngày sinh |
| | | - Giới tính |
| | | and clicks on Cập nhật button |
| 2 | Customer | New Account information of Customer will be updated into |
| | | AGC system. |
| | | Successful confirmation message "Cập nhật thông tin thành |
| | | công" will be shown. |

2.6.2.2.5 UC002 – 05 Update password

| Use Case ID | UC002 – 05 | Version | 1.0 | | |
|--------------|---|--------------------|---------------------|--|--|
| Use Name | Update password | | | | |
| Actor | Customer | | | | |
| Description | The function allows a user to update his/her new password when he/she have registered an account and his/her account is still active. | | | | |
| Precondition | User is staying in Acco | unt management scr | een and selects Đổi | | |

| Trigg | er | Password page is displayed | | | |
|----------------|--|---|--|--|--|
| Post-Condition | | Customer new password will be updated into AGC System and successful confirmation message will be shown | | | |
| Main | flows | | | | |
| Step | Actor | Action | | | |
| 1 | Customer | Selects Đổi mật khẩu on left menu from Thông tin cá nhân screen | | | |
| 2 | AGC Display Update Password dialog with the following fields: - Mật khẩu cũ - Mật khẩu mới - Gỗ lại | | | | |
| 3 | AGC Customer | Enters old password, new password & new password again into three fields on the Change password screen then clicks on Cập nhật button. | | | |
| 4 | AGC | Validate data and update new password for customer into AGC system. Successful notification about password update and Login screen will be showed. | | | |
| Alter | native flows | | | | |
| AT1 | At step 3 is | n the main flows, if AGC failed to validate password | | | |
| Step | Actor | Action | | | |
| 1 | AGC | Display dialog with message "Mật khẩu cũ không khớp" | | | |
| 2 | Customer | Retypes again and clicks on Cập nhật button | | | |
| AT2 | At step 3 is | n the main flows, if AGC failed to match new password | | | |

| Step | Actor | Action |
|------|----------|--|
| 3 | AGC | Display dialog with message "Mật khẩu nhập lại khớp" |
| 4 | Customer | Retypes again and clicks on Cập nhật button |

2.6.2.2.6 UC002 – 06 Book restaurant

| Use C | Case ID | | UC002 - 06 | Version | 1.0 | |
|----------|----------------|-----------------|---|------------------------|---------------|--|
| Use Name | | Book restaurant | | | | |
| Actor | | | Customer | Customer | | |
| Descr | iption | | Book tables or | n general restaurants | | |
| Preco | ndition | | Logged in as o | customer, in restaurar | nt index page | |
| Trigg | er | | Restaurant inc | lex page is displayed | | |
| Post- | Condition | | Restaurant rec | eives booking tables | detail | |
| Main | flows | | | | | |
| Step | Actor | | Action | | | |
| 1 | Customer | | Fill out input fields | | | |
| 2 | Customer | | Click on "Luru" button | | | |
| 3 | AGC | | display message "Cập nhật thông tin thành công" | | | |
| | | | | | | |
| Alter | native flows | | | | | |
| AT1 | On step 3 ir | the mair | flows, if AGC | failed to validate | | |
| Step | Actor | Action | | | | |
| 1 | AGC | Display | error message | | | |
| Busin | Business rule: | | | | | |
| _ | (*) fields ca | nnot be e | mpty | | | |

- Restaurant owner must input accurate information

2.6.2.2.7 UC002 – 07 View booking history

| Use C | Case ID | UC002 – 07 | Version | 1.0 | | |
|-------|---|--|------------------------|------------|--|--|
| Use N | lame | View booking history | | | | |
| Actor | • | Customer | | | | |
| Descr | ription | The function allows user | rs to view their booki | ng history | | |
| Preco | ondition | Logged in as customer, in "Lịch sử đặt chỗ" page | | | | |
| Trigg | Trigger Click on "Lịch sử đặt chỗ" tab | | | | | |
| Post- | Condition | | | | | |
| Main | flows | | | | | |
| Step | Actor | Action | | | | |
| 1 | AGC | Display "Lịch sử đặt chỗ" page | | | | |
| | | | | | | |

2.6.2.2.8 UC002 – 08 Upload avatar

| Use Case ID | UC002-08 | Version | 1.0 |
|----------------|--|---------|-----|
| Use Name | Update avatar | | |
| Actor | Admin or Restaurant owner or Customer | | |
| Description | The function allows a user change his/her avatar | | |
| Precondition | Logged in system and stay in profile page | | |
| Trigger | Logged in system and stay in profile page, click | | |
| | "Chọn ảnh" | | |
| Post-Condition | Changed avata | r | |

| Main | Main flows | | | | |
|-------|--|--|--|--|--|
| Step | Actor | Action | | | |
| 1 | Customer | Click on "Chọn ảnh" | | | |
| 2 | AGC | Use CK editor to load upload file-browser UI | | | |
| 3 | Customer | Upload a picture by using CK editor API | | | |
| 4 | Customer | Chose a picture | | | |
| 5 | AGC | Display profile with new avatar with "Luru" button after | | | |
| 6 | Customer | Click 'save' | | | |
| 7 | AGC | Change avatar | | | |
| Alter | Alternative flows | | | | |
| AT1 | On step 3 in the main flows, if user don't upload image and chose an | | | | |
| | image in user's library, skip step 3 | | | | |

2.6.3 UC003 Restaurant owner management

2.6.3.1 Use Case Diagram

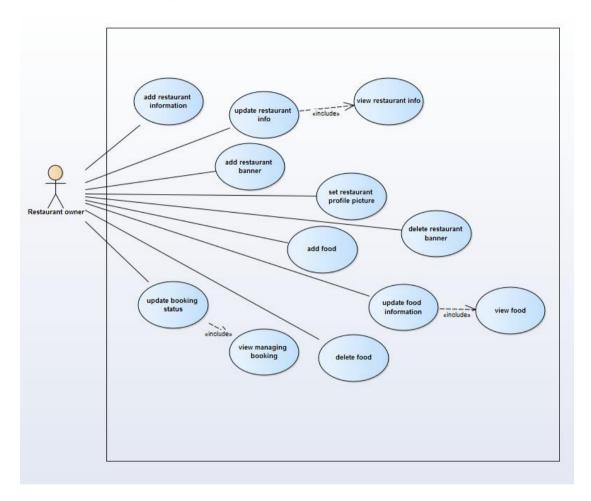


Figure 4 AGC restaurant owner use case diagram

2.6.3.2 Use Case Specification

2.6.3.2.1 UC003 - 01 Add restaurant information

| Use Case ID | UC003 – 01 | Version | 1.0 | |
|-------------|--------------------------------|---------|-----|--|
| Use Name | Add restaurant information | | | |
| Actor | Restaurant owner | | | |
| Description | Add new restaurant information | | | |

| Preco | recondition | | Logged in as restaurant owner, view "Thông tin nhà | | |
|--------|--|-----------------------|--|--|--|
| | | | hàng" page | | |
| Trigg | er | | Logged in as restaurant owner, view "Thông tin nhà | | |
| | | | hàng" page, and "Thông tin nhà hang" page is | | |
| | | | displayed | | |
| Post-0 | Condition | | New restaurant information will be added | | |
| Main | flows | | | | |
| Step | Actor | | Action | | |
| 1 | restaurant owner | | Add new information | | |
| 2 | restaurant owner | | Click on "Luru" button | | |
| 3 | ACG | | Validate data and saved to database | | |
| 4 | AGC | | Display message "Cập nhật thông tin thành công" | | |
| | | | | | |
| Alteri | native flows | | | | |
| AT1 | On step 3 in the main flows, if AGC failed to validate | | | | |
| Step | Actor | Action | | | |
| 1 | AGC | Display error message | | | |
| Busin | ess rule: | I | | | |
| | (*) Fields ca | unnot be e | amnty | | |

- (*) Fields cannot be empty
- Restaurant owner must input accurate information

2.6.3.2.2 UC003 - 02 Update restaurant info

| Use Case ID | UC003 - 02 | Version | 1.0 |
|-------------|----------------|-----------|-----|
| Use Name | Update restau: | rant info | |

| Actor | , | | Restaurant owner | | |
|-------------------|-------------------------|---------|---|--|--|
| Descr | iption | | Update general information related to restaurant information | | |
| Precondition | | | Logged in as restaurant owner, added restaurant information, view "Thông tin nhà hàng" page | | |
| Trigger | | | Logged in as restaurant owner, added restaurant information, view "Thông tin nhà hàng" page, and "Thông tin nhà hang" page is displayed | | |
| Post- | Condition | | Restaurant information will be updated | | |
| Main | flows | | | | |
| Step | Actor | | Action | | |
| 1 | restaurant ov | vner | Modify information as need | | |
| 2 | restaurant ov | vner | Click on "Luru" button | | |
| 3 | AGC | | Validate information and save to database | | |
| 4 | AGC | | Display message "Cập nhật thông tin thành công" | | |
| | | | | | |
| Alternative flows | | | | | |
| AT1 | 1 On step 3 in the main | | n flows, if AGC failed to validate | | |
| Step | Actor | Action | | | |
| 1 | AGC | display | error message | | |
| Rusin | Rusiness rule: | | | | |

Business rule:

- (*) Fields cannot be empty
- Restaurant owner must input accurate information

2.6.3.2.3 UC003 – 03 Add restaurant banner

| Use C | Case ID | UC003 – 03 | Version | 1.0 | |
|-------------|--|---|---|------------------|--|
| Use Name | | Add restaurant banner | | | |
| Actor | • | Restaurant own | ner | | |
| Description | | | The function helps restaurant owners to add new banner, only 6 images are allowed | | |
| Preco | ondition | Logged in as hàng" page | restaurant owner, | view "Banner nhà | |
| Trigg | er | | Logged in as restaurant owner, view "Banner nhà hàng" page, and "Banner nhà hàng" page is displayed | | |
| Post- | Condition | New restaurant banner will be added | | | |
| Main | flows | 1 | | | |
| Step | Actor | Action | | | |
| 1 | Restaurant owner | Click on image | icon | | |
| 2 | AGC | Display file choosing dialog | | | |
| 3 | Restaurant owner | Choose an image, and click ok or choose | | | |
| 4 | Restaurant owner | Click on 'luu' button | | | |
| Alter | Alternative flows | | | | |
| AT1 | AT1 N/A | | | | |
| Busin | Business Rules: | | | | |
| - | - Add a proper image height, width, and size | | | | |

2.6.3.2.4 UC003 – 04 Set restaurant profile picture

| Use Case ID | | UC003 – 04 | Version | 1.0 |
|-----------------------|---|---|---|-------------------|
| Use Name | | Set restaurant profile picture | | |
| Actor | | Restaurant ow | ner | |
| Descr | ription | This is a profil | e picture of a restaur | ant |
| Precondition | | Logged in as page | restaurant owner, | view user_profile |
| Trigger | | | restaurant owner, "Chọn ảnh" button | view user_profile |
| Post- | Condition | Restaurant pro | file picture will be so | et |
| Main | flows | | | |
| Step | Actor Action | | | |
| | | | | |
| 1 | Restaurant owner | Click on "Cho | n ånh" button | |
| 1 2 | Restaurant owner AGC | Click on "Chọ Display file ch | | |
| | | Display file ch | | _ |
| 2 | AGC | Display file ch Click on uploa his/her device | oosing dialog | 1 |
| 3 | AGC Restaurant owner | Display file ch Click on uploa his/her device | oosing dialog ad button, and choo then click OK buttor es folder, then click o | 1 |
| 3 | AGC Restaurant owner Restaurant owner | Display file che Click on uploon his/her device Move to image | oosing dialog ad button, and choo then click OK buttor es folder, then click of er_profile page | 1 |
| 2 3 4 5 6 | AGC Restaurant owner Restaurant owner AGC | Display file check to use | oosing dialog ad button, and choo then click OK buttor es folder, then click of er_profile page | 1 |

2.6.3.2.5 UC003 – 05 Delete restaurant banner

| Use Case ID | | | UC003 – 05 | Version | 1.0 | |
|-------------|--------------|---------|---|-----------------------|---------------------|--|
| Use Name | | | Delete restaurant banner | | | |
| Actor | | | Restaurant owner | | | |
| Descr | iption | | Delete banner i | mage(s) | | |
| Preco | ndition | | Logged in as re | estaurant owner, add | ed banner, and view | |
| | | | "Banner nhà hà | ing" page | | |
| Trigg | er | | Logged in as | restaurant owner, a | added banner, view | |
| | | | "Banner nhà h | àng" page , and "Bar | nner nhà hàng" page | |
| | | | is displayed | | | |
| Post-0 | Condition | | Restaurant banner picture will be removed | | | |
| Main | flows | | l | | | |
| Step | Actor | | Action | | | |
| 1 | Restaurant o | wner | Click on "X" sign on the right corner of the picture(s) | | | |
| 2 | AGC | | Display confirmation dialog | | | |
| 3 | Restaurant o | wner | Click on yes button | | | |
| 4 | AGC | | Remove banner picture(s) | | | |
| Alteri | native flows | | | | | |
| AT1 | On step 2 in | the mai | n flows, if restau | rant owner click on l | No | |
| Step | Actor | Action | on | | | |
| 1 | AGC | Does no | ot make any cha | nges | | |

2.6.3.2.6 UC003 – 06 Add food

| Use C | ase ID | | UC003 – 06 | Version | 1.0 | |
|--------------|---------------|---------|--------------------------------------|---------------------------------|--------------------|--|
| Use Name | | | Add food | | | |
| Actor | | | Restaurant own | Restaurant owner | | |
| Description | | | The function restaurant men | help owner add ne u | ew food to his/her | |
| Precondition | | | Logged in as roon restaurant in | estaurant owner and nfo page | view 'môn ăn' tab | |
| Trigg | er | | Logged in as r | estaurant owner, vie | ew 'món ăn' tab on | |
| | | | restaurant info | page, and click 'The | èm món ăn' button | |
| Post- | Condition | | A new food wi | ill be added | | |
| Main | flows | | | | | |
| Step | Actor | | Action | | | |
| 1 | AGC | | Display add food dialog | | | |
| 2 | Restaurant or | wner | Add correct info to the input fields | | | |
| 3 | Restaurant or | wner | Click on cập nhập món ăn button | | | |
| 4 | AGC | | Validate input | and add food to data | base | |
| | | | | | | |
| Alter | native flows | | | | | |
| AT1 | At step 3 in | the mai | n flows, if users | click on "Đóng" bu | tton | |
| Step | Actor Action | | 1 | | | |
| 1 | AGC | Close | food dialog | | | |
| AT2 | At step 4 in | the mai | n flows, if the sy | ystem fail to validate | data | |

| Step | Actor | Action |
|------|-------|-----------------------|
| 1 | AGC | Display error message |
| | | |

Business Rules:

- "Tên" is required
- "Giá" is required
- If user type un-number character to "Giá" field, add 0 to price in database.
- If user don't up picture, use default food picture.

2.6.3.2.7 UC003 – 07 Update food information

| Use C | Case ID | UC003 - 07 | Version | 1.0 |
|-------|------------------|---|-----------------|-----|
| Use N | lame | Update food in | formation | |
| Actor | • | Restaurant own | ner | |
| Descr | ription | Update inform | ation for food | |
| Preco | ondition | Logged in as restaurant owner and view "Món ăn" tab on restaurant info page | | |
| Trigg | er | Logged in as restaurant owner and in "Món ăn" tab | | |
| | | on restaurant info page, and click "Sửa món ăn" | | |
| | | button | | |
| Post- | Condition | Food information will be updated | | |
| Main | flows | | | |
| Step | Actor | Action | | |
| 1 | AGC | Display add food dialog | | |
| 2 | Restaurant owner | Modify inform | ation as needed | |

| 3 | Restaurant o | wner | Click on cập nhập món ăn button | | |
|-------|--|-----------------------|---|--|--|
| 4 | AGC | | Validate input and add food to database | | |
| | | | | | |
| Alter | native flows | | | | |
| AT1 | At step 3 in | the mai | in flows, if users click on "Đóng" button | | |
| Step | Actor | Action | | | |
| 1 | AGC | Close food dialog | | | |
| AT2 | At step 4 in the main flows, if the system fail to validate data | | | | |
| Step | Actor | Action | | | |
| 1 | AGC | Display error message | | | |
| | | | | | |
| D | D1 | 1 | | | |

Business Rules:

- (*) Fields cannot be empty
- Restaurant owner must input accurate information

2.6.3.2.8 UC003 – 08 Update booking status

| Use Case ID | UC003 - 08 | Version | 1.0 |
|--------------|---|---|-----|
| Use Name | Update booking status | | |
| Actor | Restaurant owner | | |
| Description | Update booking status for customers | | |
| Precondition | Logged in as restaurant owner and view 'Quản lý đặt chỗ' page | | |
| Trigger | | restaurant owner and view click on book s | - |

| Post-Condition | | Booking status will be updated | | |
|-----------------------|------------------|--------------------------------|--|--|
| Main flows | | | | |
| Step | Actor | Action | | |
| 1 | Restaurant owner | Change booking status | | |
| 2 | Restaurant owner | Click on "cập nhật" button | | |
| 3 | AGC | Update booking status | | |

2.6.4 UC004 Guest management

2.6.4.1 Use Case Diagram

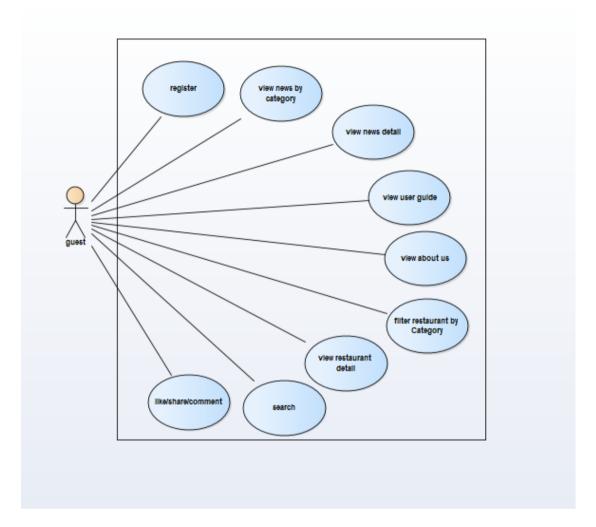


Figure 5 AGC guest use case diagram

2.6.4.2 Use Case Specification

2.6.4.2.1 UC004 – 01 Register

| Use Case ID | UC004 – 01 | Version | 1.0 |
|-------------|------------|---------|-----|
| Use Name | Register | | |
| Actor | Guest | | |

| Description | | The function allows a user to register new account | | |
|--------------|--------------|--|--|--|
| Precondition | | User is staying on Home page | | |
| Trigg | er | Click on register button | | |
| Post- | Condition | User has an account in AGC | | |
| Main | flows | | | |
| Step | Actor | Action | | |
| 1 | Guest | Click on register button in the top right of home page | | |
| 2 | AGC | Display register page with the following fields: | | |
| | | - Tên đầy đủ(*) | | |
| | | - Tên đăng nhập(*) | | |
| | | - Mật khẩu(*) | | |
| | | - Mật khẩu(Re) (*) | | |
| | | - Tỉnh/Thành phố(*) | | |
| | | - Quận/Huyện | | |
| | | - Xã/Phường | | |
| | | - Địa chỉ | | |
| | | - Ngày sinh | | |
| | | - Giới tính | | |
| | | - Loại | | |
| 3 | Guest | Enter information to input form | | |
| 4 | AGC | Validate the entered information and then go to success page | | |
| Alteri | native flows | | | |
| AT1 | At step 4 i | n the main flows, if AGC failed to validate | | |

| Step | Actor | Action |
|------|-------|--|
| 1 | AGC | Back to register page with all error message |
| 2 | Guest | Input good information |
| 3 | AGC | Validate the entered information and then go to success page |

Business Rules:

- (*) field is required
- "Mật khẩu" have to match "Mật khẩu(Re)"

2.6.4.2.2 UC004 – 02 View news by category

| UC004 – 02 | Version | 1.0 | | |
|---|--|--|--|--|
| View news by category | | | | |
| Guest | | | | |
| The function allows a us | er to find all news ba | se on category | | |
| User is staying on Home | page | | | |
| Choose link on new category | | | | |
| Stay in news page with chosen category | | | | |
| | | | | |
| Action | | | | |
| Click on news button in | the top menu | | | |
| 2 AGC Display drop down dialog with all category: | | | | |
| Guest Click on one of category | | | | |
| 4 AGC Move to News page list all items that match this category | | | | |
| | View news by category Guest The function allows a us User is staying on Home Choose link on new cate Stay in news page with consumption Action Click on news button in the Display drop down dialogous Click on one of category | View news by category Guest The function allows a user to find all news bar User is staying on Home page Choose link on new category Stay in news page with chosen category Action Click on news button in the top menu Display drop down dialog with all category: Click on one of category | | |

Business rule

- News page has pagination, each "child" page has maximum 20 items(news)
- Category items is loaded from database dynamically

2.6.4.2.3 UC004 – 03 View news detail

| Use Case ID | | UC004 – 03 | Version | 1.0 | |
|----------------|--------------------------------------|---|---------|-----|--|
| Use Name | | View news detail | | | |
| Actor | • | Guest | | | |
| Description | | The function allows a user read info of a news | | | |
| Preco | ondition | User saw news in News page or at the bottom of home page | | | |
| Trigger | | Click on news tab | | | |
| Post-Condition | | Stay in new detail page that show all info about this new | | | |
| Main | flows | | | | |
| Step | Actor | Action | | | |
| 1 | Guest | Click on news avatar | | | |
| 2 | 2 AGC Move to new detail of this new | | | | |
| | | | | | |

2.6.4.2.4 UC004 – 04 View user guide

| Use Case ID | UC004 – 04 | Version | 1.0 | | |
|-----------------------------------|--|---------|-----|--|--|
| Use Name | View user guide | | | | |
| Actor | Guest | | | | |
| Description | The function allows a user read guide for this website | | | | |
| Precondition | User is staying in home page | | | | |
| Trigger | Click on user guide link | | | | |
| Post-Condition Move to guide page | | | | | |
| Main flows | | | | | |

| Step | Actor | Action |
|------|-------|---|
| 1 | Guest | Click on "Hướng dẫn" link in the top menu |
| 2 | AGC | Move to user guide page |
| | | |

2.6.4.2.5 UC004 – 05 View about as

| Use C | ase ID | UC004 – 05 Version 1.0 | | | | |
|----------|---|---|----------------------|--------------|--|--|
| Use Name | | View about us | | | | |
| Actor | | Guest | | | | |
| Descri | iption | The function allows a user read more info about website | | | | |
| Preco | ndition | User is staying in home | page | | | |
| Trigge | er | Click on about us link | | | | |
| Post-C | Condition | Show info page | | | | |
| Main | Main flows | | | | | |
| Step | Actor | Action | | | | |
| 1 | Guest | Click on "Hướng dẫn" link in the top menu | | | | |
| 2 | AGC | Show drop box has 2 lin | nk "Về chúng tôi" an | ıd "Đối tác" | | |
| 3 | Guest | Click on "Về chúng tôi" | | | | |
| 4 | AGC | Show info in about us page | | | | |
| Altern | Alternative flows | | | | | |
| AT1 | At step 2 in the main flows, if user clink on "Đối tác" | | | | | |
| Step | Actor | Action | | | | |
| 1 | AGC | Move to partner info page | | | | |

2.6.4.2.6 UC004 – 06 Filter restaurant by category

| Use C | Case ID | UC004 – 06 | Version | 1.0 | |
|-----------------------------|-----------|--|------------------------|-----|--|
| Use N | lame | Filter restaurant by category | | | |
| Actor | • | Guest | | | |
| Descr | ription | The function show all re- | staurant in a category | , | |
| Preco | ondition | User stay in home page of | of angi website | | |
| Trigg | ger | Click on a category | | | |
| Post- | Condition | Show search result page with list of restaurant suitable with category | | | |
| Main | flows | | | | |
| Step | Actor | Action | | | |
| 1 | Guest | Point to "Âm thực" on th | ne top menu | | |
| 2 | AGC | Drop dialog to show all categories | | | |
| 3 Guest Click on a category | | | | | |
| 4 | AGC | Move to category page and show restaurant | | | |
| | | | | | |

2.6.4.2.7 UC004 – 07 View restaurant information

| Use Case ID | UC004 – 07 | Version | 1.0 | | |
|--------------|---|------------------|--------------------|--|--|
| Use Name | View restaurant information | | | | |
| Actor | Guest | | | | |
| Description | This function help user view detail of a restaurant | | | | |
| Precondition | Can view, find restaur category page) | ants (stay in ho | me, search result, | | |

| Trigger | | Click on restaurant avatar | | |
|-----------------------|-------|--|--|--|
| Post-Condition | | Show restaurant detail page | | |
| Main | flows | | | |
| Step | Actor | Action | | |
| 1 | Guest | Click on a restaurant avatar | | |
| 2 | AGC | Move to restaurant detail page | | |
| 3 | Guest | Click on tab "Bång giá" under restaurant name | | |
| | | Show tap "Bång giá" that have more info about menu and price | | |
| | | | | |

2.6.4.2.8 UC004 – 08 View restaurant detail

| Use Ca | se ID | UC007 – 08 | Version | 1.0 | |
|------------|----------|---|----------------------|----------------------|--|
| Use Na | nme | View restaurant detail | | | |
| Actor | | Guest | | | |
| Descrip | ption | The function allows a | user to login in t | the software when | |
| | | he/she have registered | an account and his/l | her account is still | |
| | | active. | | | |
| | | detive. | | | |
| Precon | dition | User is staying on Home page | | | |
| Trigge | r | Click on login button | | | |
| Post-Co | ondition | User login to his/her account successful | | | |
| Main flows | | | | | |
| Step | Actor | Action | | | |
| 1 (| Guest | Click on login button in the top right of home page | | | |

| 2 | AGC | Display Login dialog with the following fields: | | |
|-------|--------------|--|--|--|
| | | - User Name | | |
| | | - Password | | |
| | | - Login and Close button | | |
| 3 | Guest | Enter user name & password into User Name & Password | | |
| | | fields on the Login screen, then click on Login button. | | |
| 4 | AGC | Validate the entered user name & password and then display | | |
| | | Home screen | | |
| | | | | |
| Alter | native flows | | | |
| AT1 | At step 4 | in the main flows, if AGC failed to validate user name & | | |
| | password | | | |
| Step | Actor | Action | | |
| 4.1 | AGC | Display dialog with message "Tên đăng nhập không đúng" | | |
| 4.2 | Guest | Click "ok" button | | |
| 4.3 | AGC | Return to login dialog | | |

2.6.4.2.9 UC004 – 09 Search

| Use Case ID | UC004 - 09 | Version | 1.0 | |
|--------------|---|---------|-----|--|
| Use Name | Search | | | |
| Actor | Guest | | | |
| Description | The function allows a user to find restaurant | | | |
| Precondition | User staying in home pages | | | |
| Trigger | search icon is clicked | | | |

| Post-Condition | | | Show search result page with list of restaurant suitable with keyword | | | |
|----------------|---|---------------------------------------|---|--|--|--|
| Main | Main flows | | | | | |
| Step | Actor | | Action | | | |
| 1 | Guest | | Input keyword to search box | | | |
| 2 | Guest | | Click on search icon next to search box | | | |
| 3 | AGC | | Move to search result page | | | |
| 4 | Guest | | Click on filter link on left navigation | | | |
| 5 | AGC | | Filter result base on user's choice | | | |
| | | | | | | |
| Alter | native flows | | | | | |
| AT1 | At step 2 in the main flows, if user clink on "Đối tác" | | | | | |
| Step | Actor | Action | | | | |
| 1 | AGC | GC Show all restaurant in result page | | | | |
| Rucin | ess rule | <u>l</u> | | | | |

Business rule:

- Result will show restaurants have name or description include keyword
- Left navigation will filter result by category and location

2.6.4.2.10 UC004 – 10 Like/unlike

| Use Case ID | UC004-10 | Version | 1.0 | | |
|-------------|--|---------|-----|--|--|
| Use Name | Like/unlike | | | | |
| Actor | Guest | | | | |
| Description | The function allows a user to like a restaurant by using Facebook API. | | | | |

| Precondition | | User is staying on Restaurant Detail page and logged in to | | | |
|-----------------------|-------|--|--|--|--|
| | | his/her Facebook account. | | | |
| Trigger | | Click on like/unlike icon | | | |
| Post-Condition | | increase/decrease like on the page | | | |
| Main flows | | | | | |
| Step | Actor | Action | | | |
| 1 | Guest | Click on like icon in the bottom of restaurant detail | | | |
| 2 | AGC | Using Facebook API to increase/decrease new like to this restaurant detail page and update like number and change 'Like' button to like/unlike | | | |
| | | | | | |

2.6.4.2.11 UC004 – 11 Comment

| Use C | ase ID | UC004-11 | Version | 1.0 | | | |
|----------------|------------|--|-----------------|------------------|--|--|--|
| Use Name | | Comment | | | | | |
| Actor | | Guest | | | | | |
| Description | | The function allows a user to comment about a restaurant. | | | | | |
| Precondition | | User is staying on Restaurant Detail page and logged in to his/her Facebook account. | | | | | |
| Trigger | | Click on 'Post' icon | | | | | |
| Post-Condition | | User add comment to this restaurant. | | | | | |
| Main | Main flows | | | | | | |
| Step | Actor | Action | | | | | |
| 1 | Guest | Click on Comment restaurant Detail | box of Facebook | at the bottom of | | | |

| 2 | AGC | Using Facebook API to enable Post button | | | |
|---|-------|--|--|--|--|
| 3 | Guest | Write comment to box and click 'Post' button | | | |
| 4 | AGC | Using Facebook API to add his/her comment to this restaurant detail page | | | |
| | | | | | |

2.6.4.2.12 UC004 – 12 Share

| Use C | Case ID | UC004 - 11 | Version | 1.0 | | | |
|-----------------------|---------|--|---------|-----|--|--|--|
| Use Name | | Share | | | | | |
| Actor | • | Guest | | | | | |
| Description | | The function allows a user to share a restaurant by using Facebook API. | | | | | |
| Precondition | | User is staying on Restaurant Detail page and logged in to his/her Facebook account. | | | | | |
| Trigger | | Click on 'Share' icon | | | | | |
| Post-Condition | | User share this restaurant to his/her Facebook page | | | | | |
| Main flows | | | | | | | |
| Step | Actor | Action | | | | | |
| 1 | Guest | Click on share icon in the bottom of restaurant detail | | | | | |
| 2 | AGC | Using Facebook API to share this restaurant link to Actor's Facebook profile | | | | | |
| | | | | | | | |

2.7 Non-functional Specification

2.7.1 Reliability

- Errors should occurs no more than 10 times a year
- The mean time among failures should not more than one month

2.7.2 Performance Requirements

2.7.2.1 Availability

The system must be available to the users 24 hours a day, 7 days a week (not consider network failure) and also available for all smart phones, tablets and computers.

2.7.2.2 Response time

The maximum response time for any processes must be no longer than 10 seconds. However, it also depends on the internet bandwidth the network coverage's condition.

2.7.3 User Interface

2.7.3.1 Arrangement

There are 3 main parts in a web page:

- herder/navigation bar: shows main topics tabs
- body: shows main contents
- footer: shows additional information about AGC system

In some pages there might also be a sidebar.

2.7.3.2 Color

Background color is white, red color theme to attract users

2.7.3.3 Text

Vietnamese font format.

2.7.4 Design Constraints

- Tra Da team must follow MVC design pattern in CodeIgniter framework.
- GUI must not confuse users, developing team have to use the most familiar design to users.
- The system should not disclose too much information but rich enough for users need.
- Since the system is a data centric system, database management is crucially important, both primary key and foreign key constraints are carefully identified, as well as Entity, data types, relationship, attributes and null able values.

2.7.5 Security Requirements

The system should prevent all SQL injections, and keep users information securely by encrypt password using MD5 technology, and only authorized user can access his/her own private information.

2.7.6 Software Requirements

All data is stored on the server, therefore users need to have only electronic devices those have a web browser and internet connection.