

# **Use Cases**

**for**

# **Wagyr**

**Version 1.0**

**Prepared by Team 2**

**CS 411: Software Engineering**

**2/17/2016**

# **1. Guidance for Use Case Template**

Document each use case using the template shown in the Appendix. This section provides a description of each section in the use case template.

## **2. Use Case Identification**

### **1.1. Use Case ID**

Give each use case a unique integer sequence number identifier. Alternatively, use a hierarchical form: X.Y. Related use cases can be grouped in the hierarchy.

### **1.2. Use Case Name**

State a concise, results-oriented name for the use case. These reflect the tasks the user needs to be able to accomplish using the system. Include an action verb and a noun. Some examples:

- View part number information.
- Manually mark hypertext source and establish link to target.
- Place an order for a CD with the updated software version.

### **1.3. Use Case History**

#### **1.1.1. Created By**

Supply the name of the person who initially documented this use case.

#### **1.1.2. Date Created**

Enter the date on which the use case was initially documented.

#### **1.1.3. Last Updated By**

Supply the name of the person who performed the most recent update to the use case description.

#### **1.1.4. Date Last Updated**

Enter the date on which the use case was most recently updated.

## **3. Use Case Definition**

### **1.1. Actors**

An actor is a person or other entity external to the software system being specified who interacts with the system and performs use cases to accomplish tasks. Different actors often correspond to different user classes, or roles, identified from the customer community that will use the product. Name the actor that will be initiating this use case and any other actors who will participate in completing the use case.

## **1.2. Trigger**

Identify the event that initiates the use case. This could be an external business event or system event that causes the use case to begin, or it could be the first step in the normal flow.

## **1.3. Description**

Provide a brief description of the reason for and outcome of this use case, or a high-level description of the sequence of actions and the outcome of executing the use case.

## **1.4. Preconditions**

List any activities that must take place, or any conditions that must be true, before the use case can be started. Number each precondition. Examples:

1. User's identity has been authenticated.
2. User's computer has sufficient free memory available to launch task.

## **1.5. Postconditions**

Describe the state of the system at the conclusion of the use case execution. Number each postcondition. Examples:

1. Document contains only valid SGML tags.
2. Price of item in database has been updated with new value.

## **1.6. Normal Flow**

Provide a detailed description of the user actions and system responses that will take place during execution of the use case under normal, expected conditions. This dialog sequence will ultimately lead to accomplishing the goal stated in the use case name and description. This description may be written as an answer to the hypothetical question, "How do I <accomplish the task stated in the use case name>?" This is best done as a numbered list of actions performed by the actor, alternating with responses provided by the system. The normal flow is numbered "X.0", where "X" is the Use Case ID.

## **1.7. Alternative Flows**

Document other, legitimate usage scenarios that can take place within this use case separately in this section. State the alternative flow, and describe any differences in the sequence of steps that take place. Number each alternative flow in the form "X.Y", where "X" is the Use Case ID and Y is a sequence number for the alternative flow. For example, "5.3" would indicate the third alternative flow for use case number 5.

## **1.8. Exceptions**

Describe any anticipated error conditions that could occur during execution of the use case, and define how the system is to respond to those conditions. Also, describe how the system is to respond if the use case execution fails for some unanticipated reason. If the use case results in a durable state change in a database or the outside world, state whether the change is rolled back, completed correctly, partially completed with a known state, or left in an undetermined state as a result of the exception. Number each alternative flow in the form "X.Y.E.Z", where "X" is the Use Case ID, Y indicates the normal (0) or

alternative (>0) flow during which this exception could take place, “E” indicates an exception, and “Z” is a sequence number for the exceptions. For example “5.0.E.2” would indicate the second exception for the normal flow for use case number 5.

## **1.9. Includes**

List any other use cases that are included (“called”) by this use case. Common functionality that appears in multiple use cases can be split out into a separate use case that is included by the ones that need that common functionality.

## **1.10. Priority**

Indicate the relative priority of implementing the functionality required to allow this use case to be executed. The priority scheme used must be the same as that used in the software requirements specification.

## **1.11. Frequency of Use**

Estimate the number of times this use case will be performed by the actors per some appropriate unit of time.

## **1.12. Business Rules**

List any business rules that influence this use case.

## **1.13. Special Requirements**

Identify any additional requirements, such as nonfunctional requirements, for the use case that may need to be addressed during design or implementation. These may include performance requirements or other quality attributes.

## **1.14. Assumptions**

List any assumptions that were made in the analysis that led to accepting this use case into the product description and writing the use case description.

## **1.15. Notes and Issues**

List any additional comments about this use case or any remaining open issues or TBDs (To Be Determineds) that must be resolved. Identify who will resolve each issue, the due date, and what the resolution ultimately is.

Use Case List

<i><b>ID</b></i>	<i><b>Primary Actor</b></i>	<i><b>Use Case Title</b></i>
UC1	New User	Sign-up/Manage settings

## Use Case Template

Use Case ID:	UC1		
Use Case Name:	Sign-up/Manage settings		
Created By:	Wagyr Dev Team	Last Updated By:	Wagyr Dev Team
Date Created:	2/17/2016	Date Last Updated:	2/17/2016

Actors:	New User
Description:	Male/Female
Trigger:	Advertisement
Preconditions:	21 years of age with an active Facebook account and a working email address.
Postconditions:	User account created with credentials and information from Facebook Email sent to user welcoming them to Wagyr community
Normal Flow:	Home page (public) > Click sign up > Sign in with Facebook (includes allowing Wagyr access to profile information) > Create username > Configure personal settings within Wagyr (e.g. notifications) > Send user confirmation email > Home page with user dashboard (private)
Alternative Flows:	Home page (public) > Click sign up > Sign in with Facebook (includes allowing Wagyr access to profile information) > User already does not have an account with Facebook > Make a Facebook account > Create username > Configure personal settings within Wagyr (e.g. notifications) > Send user confirmation email > Home page with user dashboard (private)

Exceptions:	Unable to register with Wagyr: Under 21 years of age Unable to register with Wagyr: Experiencing technical difficulties...
Includes:	Existing user logging into Wagyr normally
Priority:	High priority
Frequency of Use:	1/per actor
Business Rules:	Need to create an account in order to use Wagyr
Special Requirements:	TBD
Assumptions:	Actor reached Wagyr public home page
Notes and Issues:	TBD: allow actor to register with email address

## Revision History

Name	Date	Reason For Changes	Version
UC1	2/17/16	Created new UC1	1.0