Tab 1

SEmester

Requirement Specification

SEmester

Version:	0.1
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Document History

Document Name	Version	Date	Reviewer	Responsible
CSPM_SRS_0.1.docx	0.1	09/12/2024		Chatpisut Chaiuan, Peerachada Limtrakul, Salinporn Rattanaprapaporn, and Thanida Paige Pholsukcharoen

Table of Content

1. Document Objectives

The purpose of this document is to outline the overarching functionality of the SEmester web application, as well as to specify the user needs that will be incorporated into the system. This aims to ensure that all stakeholders, including the development team and the client, have a clear and shared understanding of every feature in the application.

The purpose of this document is to outline the overarching functionality of the Coffee Shop Production Management web application, as well as to specify the user needs that will be incorporated into the system. This aims to ensure that all stakeholders, including the development team and the client, have a clear and shared understanding of every feature in the application.

2. User Characteristics

SEmester is a …
These are the following of all of the characters:
- Customer: The user who uses the main functionality of the system consists of
  - Teacher:
  - Student:

Coffee Shop Production Management is the subscription-based web application, therefore, the other than 2 Customer User Levels, there also certain numbers of another User level that required to make the system can be run systematically, and these are following of the all of characters:
- Customer: the User who using the main functionality of the system which consisted of
  - Owner: Acted as the Owner of the Coffee Shop, mainly use the system for manage production related information and view the report from the system.
  - Employee: Acted as the Employee of the Coffee Shop, mainly use the system or daily operation that is, finish product sale recording and the raw materials reducing.
- Administrator: the User who has responsibility for manage the Customer information, and not using the main function of the system directly.

3. Operation Environment

SEmester is a web application, therefore, an internet connection is required in order to use the system. The User must have an internet browser with HTML5 supported.
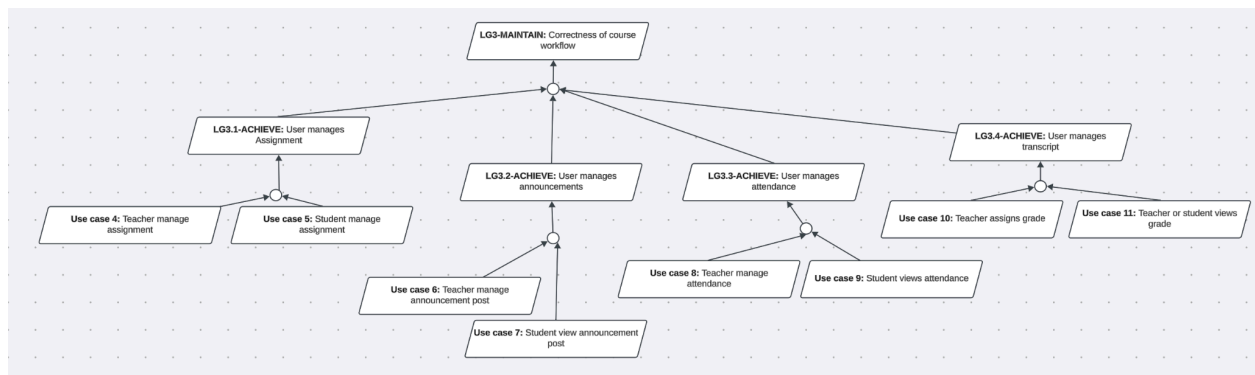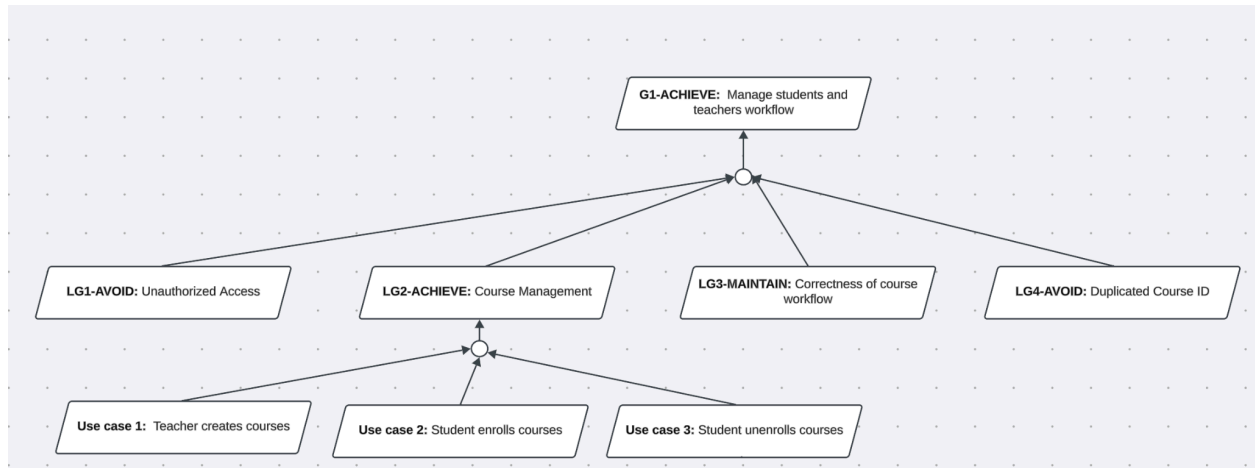
Coffee Shop Production Management is the web application, therefore, the internet connection is required in order to use the system. And the User must have the internet browser with HTML5 supported.

4. Design and Implementation Constraints

4.1 In case of the Owner create the new Coffee Shop Store, the Owner must insert the essential information, that is, the store information, the raw material information and the finished production information.

5. Software Requirement Specification

Goal Modelling

Use Case 6: Teacher Manages announcement post.

Use Case ID	UC-06
Name	Teacher Manages announcement post
Description	This function is provided for the Teacher to create and delete the announcement post.
Primary Actor	Teacher
Pre-Condition(s)	Teachers must have authority for that course.
Post-Condition(s)	The announcement post has been created or deleted by the Teacher.

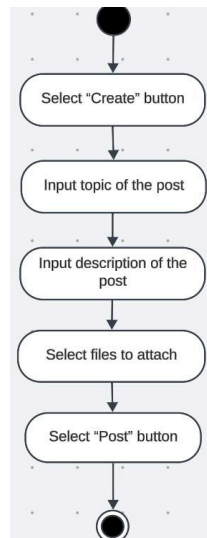| Flow of Events	1. The teacher needs to add an announcement post to their course. 1.1. The teacher selects the "Create" button 1.2. The teacher fills in the topic and description in the text fields 1.3. The teacher selects files to attach 1.4. The teacher selects "Post" button 2. The teacher needs to delete an announcement post to their course. 2.1. The teacher selects "Announcement" in the menu at the main page. 2.2. The teacher selects one of the posts in the Announcement posts list. 2.3. The teacher selects "Delete"
Alternative and exceptional	None

URS-1 Teachers can Create an announcement post.

Input
Teacher will create an announcement post.

Input	Constraints	Example
Topic	The system allows alphabetic letters, numbers, space, and symbols.	Thursday's class is cancelled.
Description	The system allows alphabetic letters, numbers, space, and symbols.	This week's Thursday class is cancelled and a makeup class will be announced later.
File	The system allows jpg, png, pdf, and docx file types with less than 10 MB file size.	midterm_scores.jpg

Process (No 1. in Flow of Events)

Output

All announcement post details will be recorded on the Database only when the teacher fills in the information following the constraints that have been stated above. Selecting files to attach is not required. Then, the system will show the announcement post in the Announcement section of both students and teachers.

Software Requirement Specification

SRS-6.1.1. The system shall display the post creation pop-up interface

SRS-6.1.2. The system shall provide text fields for the topic and description sections in the post creation interface, in order to fill in the announcement post details.

SRS-6.1.3. The system shall provide a Choose File button to select attaching files.

SRS-6.1.4. The system shall provide a Cancel button to cancel the post creation.

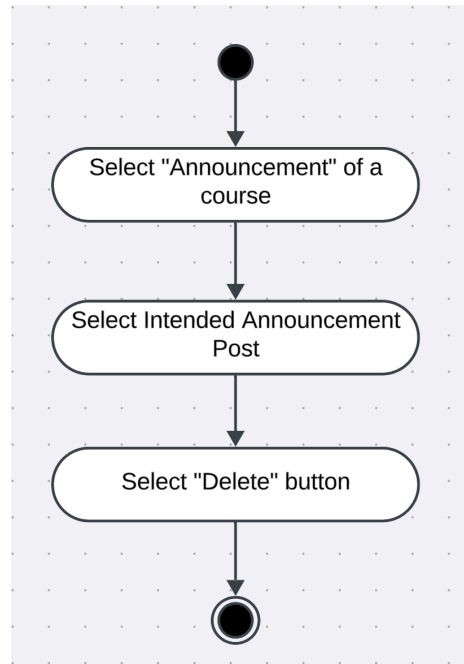**SRS-6.1.5.** The system shall provide a Post button to post an announcement.

SRS-6.1.6. The system shall display the created announcement post in the Announcements section.

URS-2 Teacher can Delete announcement post

Input

Teacher selects the "Delete" button.

Process (No 1. in Flow of Events)

Output

The announcement post intended for deletion is removed from the database and disappears from the announcement page.

Software Requirement Specification

SRS-6.2.1. The system shall provide the link in the teacher system homepage to a course announcement interface.

SRS-6.2.2. The system shall provide the service to show all announcement posts of that course

SRS-6.2.3. The system shall provide a service and button to delete an announcement post

Use Case 8: Teacher manages attendance.

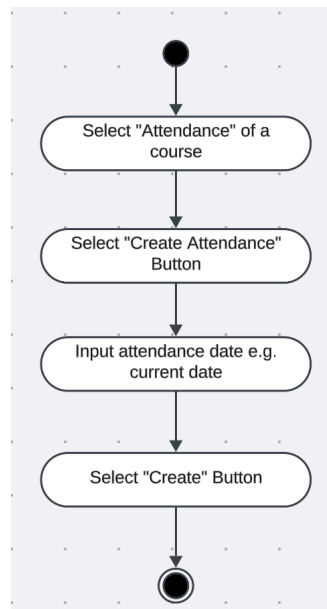| Use Case ID	UC- 08
Name	Teacher manages attendance
Description	This function is provided for the Teacher to manage the attendance.
Primary Actor	Teacher
Pre-Condition(s)	The teacher must have authority for that course. Teachers must have students in that course.
Post-Condition(s)	Attendance has been checked by the Teacher.

Flow of Events	1. The teacher needs to create attendance for each date.
	   1.1. Select "Attendance" of a specific course
	   1.2. Select the "Create Attendance" button
	   1.3. Input the intended attendance date, for example, the current date
	   1.4. Select "Create" button
	2. The teacher needs to check the attendance.
	   2.1. Select "Attendance" of a specific course
	   2.2. Select the intended date for checking attendance
	   2.3. Select the intended student from the list of students enrolled
	   2.4. Input the attendance status
	   2.5. Select the "Save" button

Alternative and exceptional	None

URS-3 Teachers can create attendance.
Input

The teacher will create an attendance list for a specific date

Input	Constraints	Example
Attendance date	The system allows using date with the format mm/dd/yyyy	12/25/2024

Process (No 1. in Flow of Events)

Output

New attendance information is created for the selected date in the database and displayed in the list of attending dates

Software Requirement Specification

SRS-8.3.1. The system shall provide the link in the teacher system homepage to the attendance management interface.

SRS-8.3.2. The system shall provide the service to show the list of attendances for each date

SRS-8.3.3. The system shall provide the service to edit the list of attendances for each date

SRS-8.3.4. The system shall provide the service to show the list of attending dates
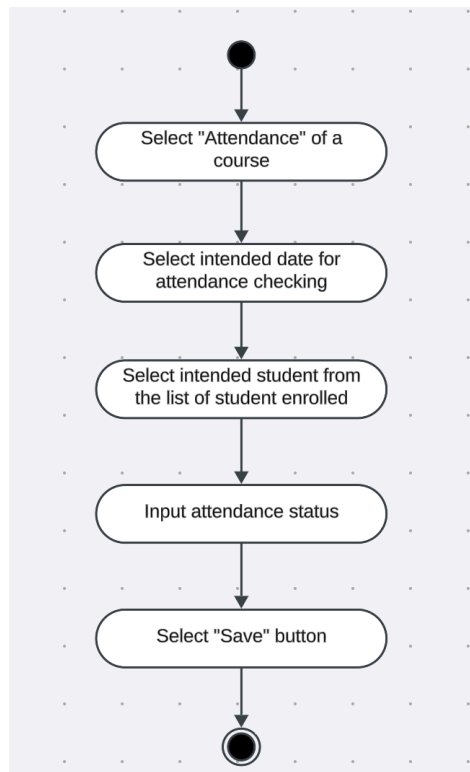
URS-4 Teachers can check attendance.

Input

The teacher checks students' attendance

Input	Constraints	Example
Attendance status	The system allows using a selection form with the field of present, late, and absent.	Absent
Remark	The system allows using 255 alphabetic length, space and symbol.	Personal leave

Process (No 1. in Flow of Events)

Output

Each student's attendance status and the remark are updated in the database and displayed in the list of attendance for the intended date.

Software Requirement Specification

SRS-8.4.1. The system shall provide the link in the teacher system homepage to the attendance management interface.

SRS-8.4.2. The system shall provide the service to show the list of attendances for each date

SRS-8.4.3. The system shall provide the service to edit the list of attendances for each date

SRS-8.4.4. The system shall provide the service to show the list of attending dates