

Software Requirements Specification for Pantry Info Board

Version 1.0 approved

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1. Introduction

1.1 Purpose

This software is developed for the goal of helping the pantry to better serve the students that are in food insecurity with more available information. Especially with what we have experienced during this pandemic, the needs of helpful and convenient information are rising among the students, for those students that are in difficulties, the needs are much stronger. Besides, providing more information to students allows them to plan early, which can result in the pantry to run more smoothly.

1.2 Scope

Product Name

Pantry info board

Overview

Overall, the product will providing detailed information on the food pantry have currently, along with other information on how to handle the food (ex: receipe, students are also allowed to leave comment on each receipe), the rules, events that the pantry are holding, the donation info, what the pantry currently need, and feedback.

Goals

The rules that the user needs to know will pop up and display in a window that has the size of 800 x 600, when it is the first time the user use this system. After that, there should be a link that is clickable in the system titled “what you need to know” (any other title with the same meaning are fine) which allows the user to see the rules again. This ensures the students to actually received and know the important rules.

Under the food info section, each food categories should have a link that links to the recipe section. This provide the user with a convenient usability.

Under the donation section, the contact information to the pantry should be clear to see and easy to find, for example, in the donation section page, the first thing will be seen is the box titled contact information, under it is the contact information to the pantry. Below that, there should be a section box title “needed things”, all those things the pantry needs are in it. Then, there should be the last section box titled “donation policy” with all the rules related to the donation. This helps the pantry to make sure the possible donors know all the necessary information on the donation.

Out of Scope

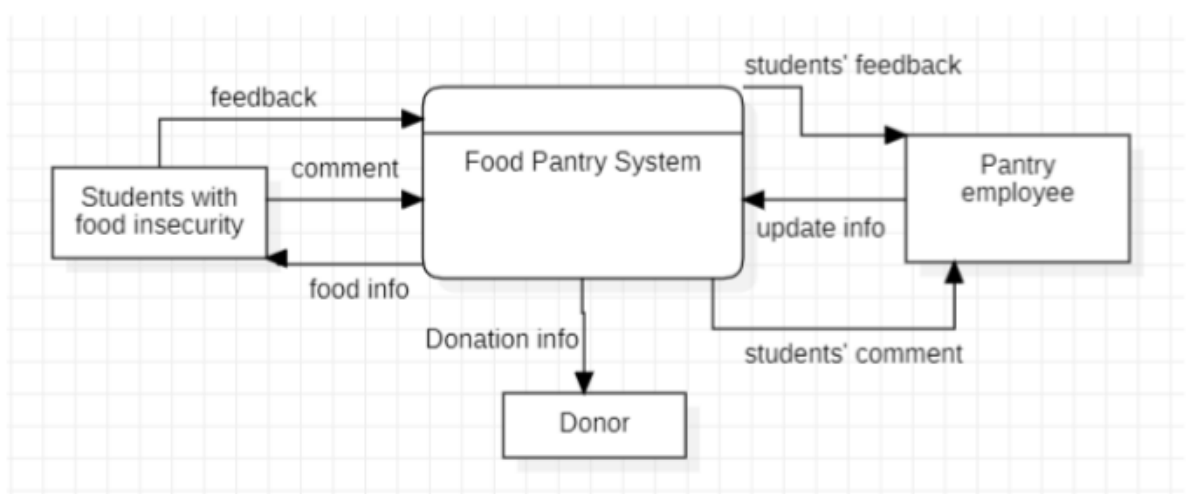
For the information on the food storage, the specific number of the amount of food will not be included and available.





















There won't be pages that are restricted so that only the user who sign in is able to see.

students won't have access on editing the recipes in the food section. (might be revisited in a later release)

1.3 Product overview

1.3.1 Product perspective



Key	Summary	T	P
FFP-55	CON-10. The system only read the UIN and Name from the database for verification use		
FFP-54	CON-9. The webpage shall have the ability to adjust the proportion and display to fit in different devices' screen		
FFP-53	CON-8. The system shouldn't need a client to install for operation		
FFP-52	CON-7. The webpage need to use HTML as the development language		
FFP-51	CON-6. The design of system needs to avoid using the font that is not free to use		
FFP-40	CON-5. The system should be access through most browser(ex. chrome, firefox)		
FFP-39	CON-4. The language should only use English		
FFP-38	CON-3. The employee clicks the edit button at top right to start the updating process		
FFP-37	CON-2. The use of UIN and Name data must follow the FGCU regulation		
FFP-36	CON-1 All feedback must be anonymous		

1.3.2 Product functions

- *Allows pantry employee to give the students the newest information on food storage*
- *Allows pantry employee to be able to know students' needs on food through feedback*
- *Allows only certain people to have the ability to edit the system*
- *Allows user to check recipes base on the food storage in the pantry*
- *Allows users to receive information on the events hold by the pantry*
- *Allows users to give feedback through the feedback portion*
- *Provide student important guidelines and rules regarding the pantry*
- *Provide information to help the donors do the donation to the pantry.*

1.3.3 User characteristics

The user groups are divided into two. For the education level, one is college student, the other are people that graduated already. For disabilities, the user group that represent students that are in food insecurity will include some of these people, for example, people have disability which cause them unable to come to pantry themselves. All in all, as an organization that aim to help people that are in food

insecurity, the user characteristics are very broad, instead of focusing on a certain small group.

1.3.4 Limitations

Key	Summary	Description	Labels
FFP-25	As a student in food security, I want to know what rules and guides are necessary before I go to the pantry so that I won't cause any trouble for the first time	The user must be able to check the rules and guidelines for unlimited times in a section that are clear to find	limitation
FFP-18	As a students, I want the system is able to do most of the interaction through mouse, so it is convenient to use		limitation
FFP-17	As a pantry employee, I want the system to be able to run on all the main broswer (ex: chrome, firefox.etc) so that more students can access easily		limitation
FFP-15	As Administrative Services & Finance, we want to make sure every students know the essential guidelines and rules so that the pantry can work well with the students.	The system must make sure the user receive and read the rules and guideline before using the system	limitation
FFP-14	As Administrative Services & Finance, we want to give students the eaiest way to access so that the most students that need help can get help	Other than comment and feedback, the system must not request user to login to user its function	limitation
FFP-9	As a pantry employee, I want only certain people can do changes to the system so that problems like false information can be avoid		limitation
FFP-7	As a pantry employee, I want to be able to give the students the newest information on food storage so that the pantry can serve the students better	Employees must be able to update the information as quick as possible. And the user should received the update no longer then 5 min after the update is done by employee	limitation

1.4 Definitions

The main purpose is to help students, therefore, all the terms are used in a direct way, to avoid misunderstanding.

















2. References







<https://www.fgcu.edu/adminservices/foodpantry/studenttips>

<https://www.fgcu.edu/adminservices/foodpantry/>

3. Requirements

Key 	Summary	Description	T	Linked Issues	P	Labels
FFP-56	the system shall build the connection with and provide the functionality of accessibility by userway.org.					Interface, functional
FFP-50	The feedback from the user shall be stored in the database for the use of analysis					Database, functional
FFP-49	The display shall be able to have different proportion so that user can view it through different platforms			FFP-14		Interface, functional
FFP-48	The letter for the title shall be at least 12 font size, bold, for catching users' attention					Interface, nonfunctional
FFP-47	The letter for context shall be at least 8 font size for user readability					Interface, nonfunctional
FFP-46	The database of this system shall only have the view-only ability towards the FGCU student ID database					Database, functional
FFP-45	The system shall give user a brief and clear guidance on how to use the system					Usability, functional
FFP-44	The webpage shall use html to create and design					functional
FFP-43	Each recipe shall have corresponding picture displayed					Interface, nonfunctional
FFP-42	The database shall be connected with FGCU student ID database to					Database, functional

FFP-41	The font shall use the ones that are free to use to avoid possible trouble.				Interface, nonfunctional
FFP-35	The student shall be able to leave comment in recipe section page after they put in UIN and Name.		FFP-23 , FFP-13		functional
FFP-34	The system shall enable the users to use the system through all main browser option (ex: chrome)		FFP-17		nonfunctional
FFP-33	The student shall be able to check recipe that relate to the food category by clicking the recipe link show in the food category page.		FFP-10		functional
FFP-32	At weekend, the pantry system shall get regular maintainence which takes 1 hour.		FFP-21		nonfunctional
FFP-31	The system shall let the users to do most of the interaction through mouse clicking.		FFP-18		nonfunctional
FFP-30	When the update is saved, the system shall update the new information with 10 seconds		The update should be as quick as possible so that the students can always have the newest information, but the time also needs to be achievable		 nonfunctional
FFP-29	The donor shall be able to check donation info by checking the donation subpage		FFP-16 , FFP-6		functional

FFP-28	When pantry is closed, the system shall display a notification that every user will see it	The students needs to be informed when the pantry is closed so that they won't waste their time to come to pantry			functional
FFP-27	Pantry employee should be able to update the system when login with faculty account			FFP-9	
FFP-26	FGCU students who open the system for the first time shall be able to use the system after click the ' I agree' button in the user agreement window			FFP-15	 functional

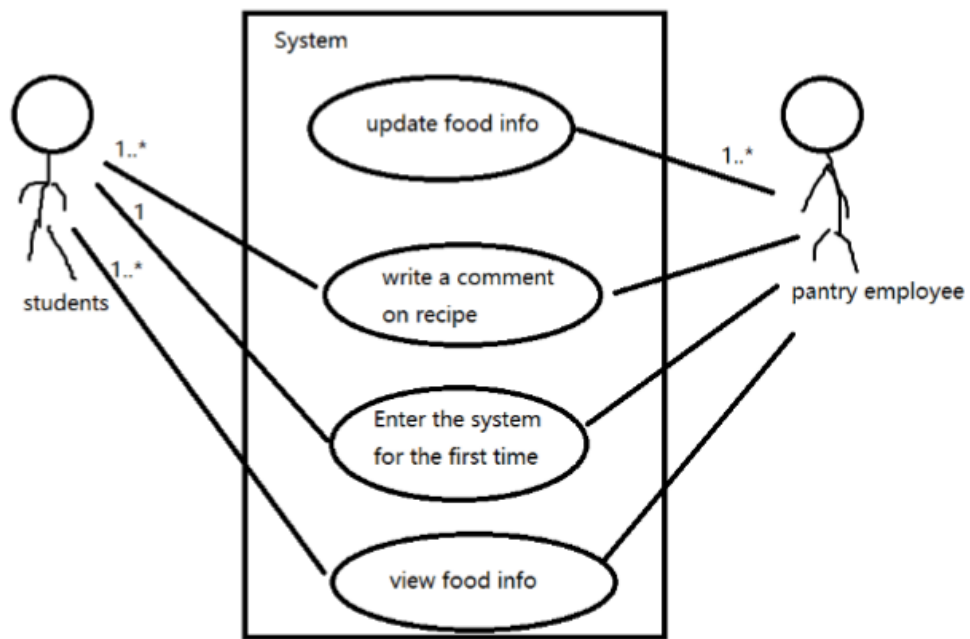
UC ID and Name:	No.2 view food info		
Created By:		Date Created:	
Primary Actor:	Students	Secondary Actors:	Pantry employee
Trigger:			
Description:	student click the food button in mainpage, then click one of the food categories' button to view the detailed info on the food the pantry currently have		
Preconditions:	PRE-1: User must read the guidelines and rules window, then click the I agree button to be able to start using the function PRE-2: user click the food button in mainpage in order to enter the right page PRE-3: user click one of the food categories' button to view the food info		
Postconditions:	POST-1: the updated info on food, which including images, description about the food, warning on possible allergy POST-2:A link to the connected recipes will appear under the info of food for user to click and view		
Normal Flow:	2.0: 1.click the I agree on the guidelines and rules window (not needed unless it is the first time) 2.click the Food button 3.click one of the categories button 4.view food info		
Alternative Flows:	2.1.1:click the I agree on the guidelines and rules window (not needed unless it is the first time) 2.click help button 3.click the " food info" button under the title" where can I find information about food" 4.view food info		
Exceptions:	2.0.E1: when user click in at same time as the info is updated, the user may run into an error.		
Priority:	High		
Frequency of Use:			
Business Rules:			
Other Information:			
Assumptions:			

UC ID and Name:	No.1 Enter the system for the first time		
Created By:		Date Created:	
Primary Actor:	stunents	Secondary Actors:	employee, Administrative Services & Finance
Trigger:	User opens the system for the first time		
Description:	When students enter the system for the first time, the guidelines and rules window pop up to make sure the user read it, then the user can enter the system for the first time		
Preconditions:	PRE-1: Open the system		
Postconditions:	POST-1: user will be able to enter and use the system's function		
Normal Flow:	1.0: 1. open the system 2. read through the guidelines and rules window 3. Click the I agree button		

	4. Enter the system
Alternative Flows:	No alternative flows is allowed
Exceptions:	1.0E1. First time user may use a computer that entered the system before, which don't have the guidelines and rules window appear
Priority:	High
Frequency of Use:	
Business Rules:	
Other Information:	
Assumptions:	We assume that the user will actually read though and take the information on rules and guidelines

UC ID and Name:	No.3 write a comment on recipe		
Created By:		Date Created:	
Primary Actor:	user (students, pantry employee)	Secondary Actors:	employee, Administrative Services & Finance
Trigger:			
Description:	Users type in UID and name to verify the identity, then type comment in comment section, click send to finish the comment process		
Preconditions:	PRE-1: Open the system PRE-2: enter the recipe section PRE-3: select specific recipe PRE-4: click comment button		
Postconditions:	POST-1: A new comment will appear in the comment section		
Normal Flow:	3.0: 1. type in UID and name 2. type in comment box 3. click send		
Alternative Flows:	3.1: 1. login to the system as moderator (for employee) 2. click recipe section 3. select specific recipe 4. click comment button 5. type in comment box 6. click send button		
Exceptions:	3.0E1: if the UID does not match with the name, the comment process will return an error “ wrong UID or name”		
Priority:			
Frequency of Use:			
Business Rules:	High		
Other Information:			
Assumptions:			

UC ID and Name:	No.4 update food info		
Created By:			
Primary Actor:	pantry employee	Secondary Actors:	student
Trigger:			
Description:	Employee login as moderator, click into the food section, change the food info according to the current situation, then click the save and publish button to finish the process. This allows the pantry to provide updated information to the students that need help		
Preconditions:	PRE-1: Open the system PRE-2: login as moderator PRE-3:click edit button		
Postconditions:	POST-1: the info related to the food will be updated		
Normal Flow:	4.0: <ol style="list-style-type: none"> 1. open the system 2. login as moderator 3. click food button 4. click in the specific food category that's need an update 5. click edit 6. update the information 7. click save and publish button 		
Alternative Flows:	4.1: <ol style="list-style-type: none"> 1.open the system 2.login as moderator 3. click edit 4. click food button 5..click in the specific food category that's need an update 6.update the information 7.click save and publish button 		
Exceptions:			
Priority:	High		
Frequency of Use:	At least once a day		



4.Verification

Key	Summary	Verification Approach
FFP-56	the system shall build the connection with and provide the functionality of accessibility by userway.org.	Test
FFP-50	The feedback from the user shall be stored in the database for the use of analysis	Inspection
FFP-49	The display shall be able to have different proportion so that user can view it through different platforms	Test
FFP-48	The letter for the title shall be at least 12 font size, bold, for catching users' attention	Inspection
FFP-47	The letter for context shall be at least 8 font size for user readability	Inspection
FFP-46	The database of this system shall only have the view-only ability towards the FGCU student ID database	Test
FFP-45	The system shall give user a brief and clear guidance on how to use the system	Inspection
FFP-44	The webpage shall use html to create and design	Inspection
FFP-43	Each recipe shall have corresponding picture displayed	Inspection
FFP-42	The database shall be connected with FGCU student ID database to verify the user input	Analysis
FFP-41	The font shall use the ones that are free to use to avoid possible trouble.	Inspection
FFP-35	The student shall be able to leave comment in recipe section page after they put in UIN and Name.	Test
FFP-34	The system shall enable the users to use the system through all main browser option (ex: chrome)	Test
FFP-33	The student shall be able to check recipe that relate to the food category by clicking the recipe link show in the food category page.	Test
FFP-32	At weekend, the pantry system shall get regular maintainence which takes 1 hour.	Demonstration
FFP-31	The system shall let the users to do most of the interaction through mouse clicking.	Demonstration
FFP-30	When the update is saved, the system shall update the new information with 10 seconds	Demonstration
FFP-29	The donor shall be able to check donation info by checking the donation subpage	Inspection
FFP-28	When pantry is closed, the system shall display a notification that every user will see it	Test

FFP-27	Pantry employee should be able to update the system when login with faculty account	Test
FFP-26	FGCU students who open the system for the first time shall be able to use the system after click the ' I agree' button in the user agreement window	Test

5.Appendices

5.1 Assumptions and dependencies

- We assume the students will go to the event categories to check the newest event hold by the pantry
- we assume that the students knows the rules can be checked in the other section, with the link title “what you need to know”
- We assume that the product will rarely have technique issues where the employees didn’t realize.
- We assume the employees knows how to edit the product for update.
- We assume that the update time won’t conflict with the students’ use time.

5.2 Acronyms and abbreviations

FGCU Campus Food Pantry (CFP)

The main and most important purpose is to help students clearly, therefore, all the terms are used in a direct way, to avoid misunderstanding.