Assignment 2: Software Requirements Specification

Team: Group 4

Project Title: Warrior Delivery

Members:

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Meetings date	**Participants**
Tuesdays 4:00pm - 5:30pm	All
Thursday 2:00pm - 3:30pm	All

Stakeholders	**Requirements**
Students	FR1: Must be able to view menu FR2: Must be able to login with wayne state ID FR3: Must be able to place a food order FR4: Must be able to select location and delivery style FR5: Must show price and shopping cart FR6: Must show status of order FR7: Must provide a quality of service feedback/review system FR8: Must be able to cancel orders
University	FR9: Must be able to update menu ahead of time/with calendar FR10: Must be able to indicate an item is out of stock FR11: Must be able to receive orders and associated details (kitchen) FR12: Must be able to see database of all orders and payments FR13: Must be able to input status data (manual) FR14: Must be able to reject orders
Deliverers	FR15: Must be able to login with ID FR:16 Must be able to assign deliveries and see associated details FR17: Must be able to confirm deliveries received and delivered FR18: A chat feature to communicate with customer
All	NFR1: Page loads and runs fast (performance) NFR2: The website should be available at least for the duration of the dining hall hours (availability) NFR3: Interface must be easily navigable (usability) NFR4: Does not take in or provide any unnecessary private information (privacy) NFR5: User's should only be able to access own account (security) NFR6: Have an accessibility mode (usability)

	NFR7: The services can handle a sufficient amount of orders at time (reliability)

NFR1. The website should be available at least for the duration of the dining hall hours		
Goal: The system will always be available to use at any times the dining hall is open		
Stakeholders: Customers		
Description: The system will be available to be used at all times throughout the day at Wayne State where the dining hall is open for business. The system will tell the user the hours of operation and if the user attempts to access the cart when business hours are over, the user is given a warning message. The user will also be disabled from completing an order so as to avoid spending money on an order they won't be receiving.		
Origin: Based on the initial project specification document, team members came up with this description during the second meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority:** 1

NFR2. Page loads and runs fast		
Goal: The system will load and run at a convenient and reasonable speed and allow the user to quickly access its amenities		
Stakeholders: Customers		
Description: The system will run quickly and efficiently, not making the user wait more than ~10 seconds before it's accessible. This is crucial in situations where the user wants to order his/her food close to the end of the hours of operation. The user won't have to wait a significant amount of time to place an order.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority:** 2

FR11. **Must be able to receive orders and associated details (kitchen)**		
Goal: The system will receive orders from the user containing items from the displayed menu.		
Stakeholders: University		
Description: The system will save the order entered by the user who selects the items based off of the displayed menu. The user will also submit any additional requirements for their order which will be displayed to the kitchen. The kitchen will be able to see the entire order placed by the user including the time the order was placed.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority: 1**

FR12. Must be able to see database of all orders and payments		
Goal: The system will display the current list of all orders and payment methods from users		
Stakeholders: University		
Description: The system will store and display all current users in first come first serve order. Additionally, all payment methods will be shown on screen in order to verify the completion of the customer's order. Reviews associated with orders will also be shown.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority: 1**

FR13. Must be able to input status data (manual)		
Goal: The system must allow the kitchen staff to manipulate order status for each customer		
Stakeholders: University		
Description: The system must allow kitchen staff to manually change the status of the order between “waiting” and “finished”. These will help filter the status of each order and will allow efficient delivery of items to customers on time.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority: 2**

FR14. Must be able to reject orders		
Goal: The system must be able to deny orders that cannot be fulfilled.		
Stakeholders: University		
Description: The system will automatically deny orders that are not available from the menu. The kitchen staff will also be allowed to manually reject orders in case the need arises. The user will be notified that their request did not go through and they will be allowed to restart their order.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority: 1**

FR[16]. Must be able to assign deliveries and see associated details		
Goal: Assign deliveries to deliverers and include details like the location to pick up and drop off the order		
Stakeholders: Deliverers		
Description: The system will automatically contact an appropriate deliverer assigned to the respective dining hall and assign them orders to deliver. Alongside this, the deliverer will be able to see what order to pick up and the location of the drop off including the drop-off style.		
Origin: Based on initial project specification document, team members came up with this description during first meeting		
Version: 1.0	**Date:** 09/21/2020	**Priority: 1**

FR[17]. Must be able to confirm deliveries received and delivered		
Goal: Allow the University, customer, and program, to know when an order has been picked up and when the order has been delivered to avoid issues or confusion regarding the delivery process		
Stakeholders: Deliverers		
Description: The deliverer will be given a button to press that will notify the program and the necessary parties that the order has been picked up. Then the deliverer will see another button that, when pressed, will notify the program and necessary parties that the order has been dropped off. All parties will be able to see “Pick-up in progress,” “Order received, in route,” and “Order delivered”		
Origin: Based on initial project specification document, team members came up with this description during first meeting		
Version: 1.0	**Date:** 09/21/2020	**Priority: 2**

FR[18]. A chat feature to communicate with customer		
Goal: Allow the deliverer to communicate with customer to respond to any messages from customer or notify customer in the case of an issue		
Stakeholders: Deliverers		
Description: The deliverer will be able to press a button to bring up the chat menu. They can then type a message to the customer or read messages from the customer.		
Origin: Based on initial project specification document, team members came up with this description during first meeting		
Version: 1.0	**Date:** 09/21/2020	**Priority: 3**

NFR[4]. Does not take in or provide any unnecessary private information		
Goal: Prevent giving away unnecessary information to parties who do not require it.		
Stakeholders: All		
Description: The program will be careful to only take in and display necessary information, and only to necessary parties. This includes, but is not limited to, protecting things like names, access IDs, or items ordered.		
Origin: Based on initial project specification document, team members came up with this description during first meeting		
Version: 1.0	**Date:** 09/21/2020	**Priority: 1**

FR[2]. Students must be able to login with ID.		
Goal: Allow students to sign in with their unique ID, through which all their interactions are handled.		
Stakeholders: Customers		
Description: If a customer wishes to access Warrior Delivery, they must verify their student status with an ID. The ID is the primary key for their account, which makes it distinct from any other account. The student will be able to edit their account information. It's through the student's ID that all of their transactions are handled, such as their own shopping cart, order information, interactions with deliverers, etc.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority: 1**

FR[8]. Students must be able to cancel orders.		
Goal: Allow students to cancel an order before it reaches them, with no payment.		
Stakeholders: Customers		
Description: If a student decides they no longer want their order, or it is unable to reach them for any reason, they have the option to cancel their order. Rather than implementing a refund system, it may be more manageable to withhold charging them for the order until it is completed, preventing any refunding issues that would otherwise occur.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority: 1**

FR1. Must be able to view the menu		
Goal: The system will allow the user to view the full menu of dining options		
Stakeholders: Customers		
Description: The system's user interface will offer a clear and obvious button near the top of the page that says "Menu" and once the user clicks on it, they will be taken to the menu. Each menu item will have a price next to it, indicating the cost for the user, and will have an "add to cart" button. The full menu will be shown on one page, but the user will be given the option to filter the items as preferred.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority:** 1

FR5. Must show price and shopping cart		
Goal: The system will allow the user to view the total price of their order on a shopping cart/checkout page		
Stakeholders: Customers		
Description: A page shopping cart page will be made available for the user to click on after they select their items from the menu. This page will show the user's order and price at checkout. Each individual item will have its price beside it, and a total cost below. There will be a button at the bottom that says "Place Order" that allows the user to officially order their food. There will be a subsequent page that allows users to input payment information and location information. If there are no items in the cart, the Place Order button will be disabled and the page will offer a hyperlink to the menu.		
Origin: Discussed in the team's second meeting as a top requirement for a food ordering application		
Version: 1.0	**Date:** 09/21/2020	**Priority: 1**

FR[3]. Place a Food Order
Goal: Place a food order through Warrior-Delivery weFbsite
Stakeholders: Customers
Description: Each food has an order id and when a customer's order has been placed on Warrior-Delivery website, the system database will be updated and the order will be added to the orders' list. The database will sort the new order in descending order to give priority to previous orders.
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.

Version: 1.0	**Date:** 09/20/2020	**Priority: 1**

FR[4]. Select Location and Delivery Style
Goal: Customers can select a location to pick up their orders and also select their delivery style
Stakeholders: Customers
Description: There are multiple options for delivery locations (3 main dorms and campus area) and delivery style (we can leave orders in front of customers door's room or give it directly to the customer). Each customer after placing her order, is able to choose her favorite pick up location and delivery style.
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.

Version: 1.0	**Date:** 09/20/2020	**Priority: 1**

FR[6]. Status of orders		
Goal: Keep tracking the order's status.		
Stakeholders: Customers		
Description: There are three main statuses for an order. 1. Shipped from dining halls 2. On the way 3. Delivered to customer Each customer will be able to track her order through the website.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/20/2020	**Priority: 2**

NFR[3]. Ease of navigation		
Goal: Interface must be easily navigable by a customer		
Stakeholders: All		
Description: The website should provide a transparent navigable system for users convenience.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/20/2020	**Priority: 2**

NFR[5]: **User's should only be able to access own account (security)**		
Goal: Prevent breach of security, and invasions of privacy.		
Stakeholders: Customers		
Description: To protect users from malicious breaches of security, they will only have access to their own information. An account's information can only be viewed by logging in with the ID and password of the owner of said account.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority: 1**

FR[10]. Dining Hall must be able to indicate that an item is no longer in stock.		
Goal: Prevent selection of orders that cannot be completed due to shortage.		
Stakeholders: University		
Description: If an item is no longer in stock, the Dining Hall should be able to mark the item as an "Out of Stock" option, where it can no longer be selected by customers in the shopping cart. Once the item is restocked, it can be selected once again by customers for orders.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority: 2**

FR[7]. Service feedback/review system		
Goal: Have functionality for students to give feedback about the quality of service		
Stakeholders: Students, University		
Description: After a delivery has been completed, there should be an option to provide feedback. This will consist of a 5 star rating input, and an optional text field to enter more detailed information. These reviews will be accessible to the university via a database.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority: 3**

FR[9]. Menu input system		
Goal: Have functionality to input menu items ahead of time		
Stakeholders: University		
Description: There will be an interface to input menu items and corresponding prices. There will be a calendar to select which days an item will be available on the menu. There will also be an option to limit the maximum amount of each item that can be ordered at a time.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority: 1**

FR[15]. Must be able to login to account with ID		
Goal: Have the ability for deliverers to login to see their delivery information		
Stakeholders: Deliverers		
Description: There will be an interface for deliverers to login to see and edit their account details.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority: 1**

NFR[6]. Must be compatible with accessibility features		
Goal: All interfaces should be properly accessible for those who use screen readers or who have visual impairments		
Stakeholders: All		
Description: Although web pages may be automatically formatted by the browser or OS to conform to accessibility settings such as high contrast mode, grayscale mode, or other colorblind friendly features, additional verification will be done to ensure that these work properly with our website. Additionally, our websites should follow guidelines that allow for screen readers to function properly.		
Origin: Based on the initial project specification document, team members came up with this description during the first meeting.		
Version: 1.0	**Date:** 09/21/2020	**Priority: 3**

NFR[7]. The services can handle a sufficient amount of orders at a time		
Goal: Allow an acceptable amount of users on the website at the same time without crashing or issues		
Stakeholders: All		
Description: The website must be able to handle an appropriate amount of users to ensure the services don't crash. For now, we will require at least 50 people at a time.		
Origin: Based on initial project specification document, team members came up with this description during first meeting		
Version: 1.0	**Date:** 09/21/2020	**Priority: 3**