Prioritization Groups

- **Must Have**: Critical to they system's success and delivery.

- **Should Have**: Important but not critical for the final product.

- **Could Have**: Nice to have, but not necessary in the final product.

**Functional**

Pizza Customization

* **Must Have** Users will be able to select between three pizza sizes (small, medium, large)
* **Must Have** Users will be able to select between three crust types (thin, thick, gluten-free)
* **Must Have** Users will be able to select between three cheese options (no cheese, cheese, extra cheese)
* **Should Have** Users will be able to select between two sauce options (marinara, alfredo)
* **Must Have** Users will be able to add up to 10 pizza toppings:
  + Pepperoni
  + Sausage
  + Mushrooms
  + Pineapple
  + Bacon
  + Peppers
  + Onions
  + Tomatoes
  + Olives
* **Must Have** Users will be able to see the price of their current pizza as they're building it.

Order Placement

* **Must Have** Users will be able to place an order for delivery or pickup.
* **Should Have** Users will be able to choose a preferred delivery or pickup time.
* **Must Have** Users will be able to input credit card information to "pay" for the order
* **Could Have** Users can apply loyalty points to their order to reduce the amount being paid

User Registration and Account

* **Must Have** Users will be enter in their email address to either login or register for an account if they have not used their email.
* **Could Have** Users can track how many loyalty points they have based on past purchases
* **Should Have** Users can view past orders they've placed

**Implementation**

**Must Have** Define Team Roles & Responsibilities

* Project manager will determine roles and responsibilities, will dictate who everyone can reach out to for questions when needed

**Must Have** Establish Success Criteria for Deliverables

* We have gathered all information that will be needed to complete the rest of the tasks
* The outline of the website is set and finished
* The frontend can access the database without problems
* Making sure that everyone can responsibly use the program without incident
* Making the GUI look clean and intuitive

**Must Have** Schedule Work on a Project Timeline

* Setting a determined time for each task to be completed and what tasks can operate and the same time.

**Must Have** Monitor Cost, Time & Performance

* As the project is moving with the tasks being completed we must stop and verify that the task was done within a timely, cost effective, and deliverable manner.
* After each task we will send the shareholder a status report of tasks completed, upcoming tasks & any problems that may arise

**User**

* **Must Have** User Registration and Login: Users should be able to create an account with a username and password, log in, and manage their profiles (e.g., name, address, payment info).
* **Must Have** Order Placement: Users need the ability to browse the menu, customize pizzas, add items to the cart, and place orders online.
* **Could Have** Rewards System: Users should be able to apply rewards or discount codes during checkout for discounts or free items.
* **Should Have** Tip Feature: Users should have the option to add a tip for the delivery person during the payment process.
* **Should Have** Order Tracking: Users should be able to track the status of their orders in real-time, from preparation to delivery.
* **Must Have** Payment Methods: Multiple payment options should be available (e.g., credit card, digital wallet, rewards points).

**Business**

**Must Have** Menu Management

* They system must allow for managing the menu system, allowing for adding, editing, or removing pizza toppings.
* Each pizza must have a name, description, size, price, and list of ingredients.

**Must Have** Custom Pizza Creation

* Customers will have the ability to create their own custom pizza with any ingredient combination they choose.
* The price will change in real-time based on what they customer has chosen.

**Must Have** Order Cart

* Customers must be able to add multiple items to their cart.
* Customers must be able to remove any item from the cart.
* The cart must display a running total of all items in it.
* The system will automatically calculate taxes and discounts.

**Should Have** Order Tracking

* The system must allow for the customer to be able to view the status of the order after purchase.
* The system must display an estimated time of arrival for the delivery driver.

**Non-functional**

Performance:

* **Must Have** Response Time: They system should process orders within 3 seconds of user action.
* **Should Have** Scalability: They system should be able to handle 1000 concurrent users at any given time.
* **Should Have** Throughput: They system should be capable of processing 50 orders per minute.

Availability:

* **Must Have** Uptime: The system must be available 99.9% of the time they business operates.
* **Should Have** Fault Tolerance: They system should be able to recover from minor failures.

Usability:

* **Must Have** Ease of Use: The system interface should be intuitive.
* **Must Have** Consistency: The interface must follow consistent design throughout the whole application.

Maintainability:

* **Must Have** Modular Design: The codebase should be modular and allow for easy updates or changes.
* **Must Have** Documentation: Comprehensive documentation should be provided.
* **Should Have** Logging: The system should log all transactions and error for future troubleshooting.

Reliability:

* **Must Have** Error Handling: Any system failures should be handled gracefully and show appropriate error messages.

Compatibility:

* **Must Have** Browser Compatibility: The system should support all major web browsers.