Requirements

1.1 The Range of Requirements

Functional requirements include:
- Customers being able to order seamlessly – customers shouldn't be encountering large delays.
- Inventory being updated to reflect what the store has in stock so that customers can't order something that isn't there.

Measurable Quality's include:
- The time taken for customers to place an order should be minimal for an efficient user experience.
- Reliability – the system should work majority of the time
- Usability – The system should be easy to use for the customers to use

Qualitive Requirements:
- The system should be able to handle and process multiple orders simultaneously.
- The code should be maintained and should be commented well for people to work on it in the future.

1.2 Level of Requirements

Some system level requirements that would need to be included are that the system responds correctly when the user has selected an item.

Some integration level requirements would be that the user data works with their orders so that a history of their orders are kept with a link to their user profile. Also, testing the API so that the link between payment method and payment details work and that customers are charged appropriately for their purchases – this is very important as it is very necessary that customers aren't over or under charged as this will lead to loss in profits for the company.

Some unit level requirements are that the input data is acceptable so that the users email is a valid email address and that all the necessary details are input before the system can work for the user.

Some performance requirements are that the system should work reasonable quickly for the user and that the parsing is efficient enough that the user doesn't feel like it takes a long amount of time to purchase food.

1.3 Identifying Test Approach for Chosen Attributes

For seamless integration:

An appropriate approach to testing

1.4 Assess the Appropriateness of Your Chosen Testing Approach

While these are tests are good for making sure that the system will work for a few users it still doesn't realistically show how the system will work under actual users of the system as there is no real-world user data. This suggests there should be some beta testing in the future in order to understand the system while it is being used by would be customers.