



Srs assignment - 3A - good work for students. i love it. keep it up. thank you soooooooo muchhhhhh

Software Requirement Engineering (Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology)

Software Requirements Specification

for

Food Panda

Version 1.0 approved

Prepared by **Syed Mujtaba Bukhari, Usman Naveed**

Food Panda Limited

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Revision History

Name	Date	Reason For Changes	Version

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1. Introduction

*Even when on the move, the free **foodpanda** mobile application, allows you to order food and groceries online anytime from anywhere. Whichever food you currently desire, we have the largest selection of restaurants for you to choose from, right here on **foodpanda**. In three words, the process of ordering food & grocery online is simple, fast, and convenient.*

1.1 Purpose:

The purpose of this document is to convey information about the application's requirements, both functional and nonfunctional, to the user. This document provides:

- (a) A description of the environment in which the application is expected to operate.*
- (b) A definition of the application's capabilities.*
- (c) A specification of the application's functional and nonfunctional requirements.*

1.2 Document Conventions:

Bold is used to highlight the important phrases or abbreviations.

Italic font may be used.

Blue color is used for links.

1.3 Intended Audience and Reading Suggestions:

-Developers who can review project's capabilities and more easily understand where their efforts should be targeted to improve or add more features to it.

-Project testers can use this document as a base for their testing strategy as some bugs are easier to find using a requirements document. This way testing becomes more methodically organized.

-End users of this application who wish to read about what this project can do.

1.4 Product Scope:

This product is useful for homes, offices, universities or any other place. An easy way to order food and beverages etc. Not everyone has enough time to travel just to eat. To save time, this application along with its website is very significant. You can get your desired food items at your door steps just in minutes. It identifies your location and suggests you the nearest food restaurants so you can have a variety to choose from.

1.5 References:

The official website of the project contains a brief description of the project, screenshots, links, tutorial and of course it gives users the ability to use it. The prototype of the website has been designed using the above link:

<https://www.foodpanda.pk/>

2. Overall Description

2.1 Product Perspective:

Food Panda is a very useful and timesaving Application for those who like to save their time and instead moving and travelling to eat, they prefer online and easy order system. All you have to do is download it for free, install it and you are done. Also, you can visit the alternative website, enter your information and continue. This product is intended at those who don't want to go to the store because they don't have time or aren't interested in driving there and dealing with a lot of paperwork. Items may be ordered, shopped for, and cancelled online. If you want to do an online transaction, you'll need to set aside some time. The buyer wishes to make a credit card payment through the internet. Customers may simply look up information about their items and may be willing to pay for his or her possessions.

2.2 Product Functions:

Food Panda provides users the following functions/features:

- The service allows users to select from local restaurants and place orders via its mobile applications as well as its websites.*
- Foodpanda processes and sends orders directly to partner restaurants, which then deliver to their customers.*
- The service is available via its websites and mobile applications. Customers order food by entering their postcodes on the site and browsing for food from a list of restaurants.*

- *Restaurants receive these orders and then deliver to customers. Food panda sends out a SMS to confirm orders and their estimated delivery time.:*

Additional Features:

- *Know When Your Order Will Be Delivered:*
This device will show you when your order will be delivered to the customer. Customers can change the time they can pick up their order for pick-ups.
- *Reduce paper work:*
Because the majority of tasks can be completed online.
- *Comments:*
The user will have unrestricted access to provide candid feedback about their order and application, which will benefit the company.

2.3 User Classes and Characteristics:

All kind of users: Food Panda is a powerful, yet easy app to use so, all users computers are able to use it efficiently. Open-source software developers and contributors:

- *Software Developers: People with very good knowledge of programming language project, in order to understand and be able to extend project's source code*
- *Translators: People of all age groups with very good knowledge of a language not included in the current translation list.*

This software may be used by anyone with a basic understanding of computers. It's crucial to know how to use a mouse or keyboard, as well as a web browser and ordering system. The user interface will be user-friendly enough to guide the user.

2.4 Operating Environment:

Food Panda can run on Operating Systems through internet: Win2K / WinXP / Vista / Win7 / Win8. The application can be installed on any smartphone either windows or iOS or Android which must have enough storage as per the need of the application.

2.5 Design and Implementation Constraints:

- *Internet access is necessary.*
- *The project is designed and implemented with some terms and conditions which are necessary to be agreed in order to proceed. This includes "Privacy Policy" means the policy displayed on our website which details how we collect and store your personal data. The app needs required storage capacity to be installed. Email and other personal details will be required to continue. The app can be updated timely as per the need.*
- *Safety and security*

2.1 User Documentation:

User documentation components are available on project's official website:

<https://www.foodpanda.pk/>

The online help can be accessed at support@foodpanda.pk or dial 111-89-89-89

2.2 Assumptions and Dependencies:

The Application and website require correct personal data that includes name, location, proper address and other. These are to be filled correctly otherwise the application or the website would not respond or accept your activity. The application can only be installed if the software has enough capacity of storage which is required by the app otherwise it will not be installed. The after-order procedure is based on some terms and condition which are specified in the project and it is necessary to agree on them in order to proceed.

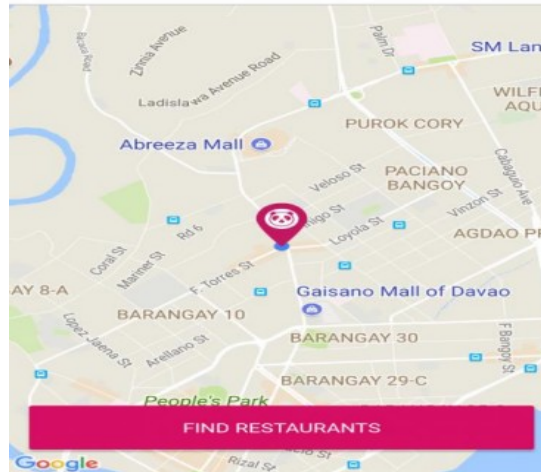
3. External Interface Requirements:

3.1. User Interfaces:

The interface of the application and website provides following:

- **Location:**

The location map is showed in order for the user to enter or select his/her location.



- **Restaurants options:**
The next interface shows the restaurants as per the location entered or you can also choose the desired place or cuisine in the search bar provided at the top.
- **Add to cart:**
The selected items are added to the cart.
- **Information:**
It includes the destination address and the information of the user.

3.2. Hardware Interfaces:

It requires any android or iOS smart phone or tablet etc. in order to use the application along with the required storage capacity.

The website requires:

- ✓ Windows.
- ✓ A browser which supports CGI, HTML & JavaScript.

3.3. Software Interfaces:

Following are the software used for the food panda application and website.

Software Used	Description
Operating system	We have chosen Windows operating system for its best support and user-friendliness.
Just in mind	For the prototyping of website and application.

The interfaces are designed and implemented through Just in mind prototype tool. The application requires any device in order to install and use it.

3.4. Communications Interfaces:

Both the application and website features are available online. You need an internet connection to download the application, update it and (optionally) and use it. Web browser is used to access website with http link or searching option. E-mail insertion is necessary.

4. System Features:

4.1. System Feature 1 – Order Meal:

4.1.1. Description and Priority:

The feature will allow customers to order food from the website

4.1.2. Stimulus/Response Sequences:

- The system will show the user a menu. If any bargains are available, the system will display them.*
- By selecting the "Add to cart" option, the user will select the meal he or she wants to order.*
- The system places the meal in the user's cart and prompts them to "Continue order" or "Add another." meal.*
- When you click Continue, the system will ask for your user information and payment method.*
- The user clicks "Submit" after entering all of the information.*
- After the order is placed, the system displays a confirmation message.*
- The system navigates back to the main page.*

4.1.3 Functional Requirement:

1. Cannot Order:

- *System terminates the order.*
- *User cancels the order*

2. Meal is not available:

- *System sends a message for order delay due to no availability of meal.*
- *Order is not possible.*

4.2 System feature 2 – Payment

4.2.1 Description:

The feature will allow the user to select a payment method i.e., credit card or cash.

4.2.2 Response sequence:

- *After the order has been confirmed, the system prompts the user to choose a payment option.*
- *If the user chooses cash, the order is completed and the user is returned to the home page.*
- *If the user chooses to pay online with a credit card, the system displays various credit card possibilities.*
- *The user chooses the appropriate credit card.*
- *The credit card information is provided by the user.*
- *An OTP confirmation is sent by the system.*
- *The user enters the code and the app and bank send a confirmation message.*

4.2.3 Functional Requirements:

1. Wrong Card No:

- *The system displays an error notification indicating that the card number is incorrect.*
- *The system cancels the order.*

2. Wrong OTP code:

- *The system gives the consumer three chances to enter the right OTP code.*
- *The system cancels the order.*

4.3 System feature 3 - Track Order:

4.3.1 Description:

The feature allows users to track their orders.

4.3.2 Response sequence:

- *The system displays a "Track your Order" link once the order is confirmed and payment is completed.*
- *The order status and remaining time are displayed on the screen.*

4.4 System feature 4 – Feedback/Rating

4.4.1 Description:

After the order is delivered, the system prompts the user to rate and comment on the service.

4.4.2 Response sequence:

- *The system provides a rating screen when the order is delivered.*
- *The user can rate the service and food quality on a scale of 1 to 5 (lowest to highest).*
- *The user can also provide feedback by sharing his remarks with others.*
- *The user can choose "Help/Complaint" and the system will link them to customer support.*

4.5 System feature 5 – Take Order:

4.5.1 Description

Customers' orders will be taken by the food companies or the admin.

4.5.2 Response sequence:

- *The system displays the "order received" dialogue with the description and amount, just like any other client order.*
- *The food brand selects "Accept order," and the system sends the consumer a confirmation message. If the brand is unable to accept the order due to an issue, it selects "reject order" and sends a message to the customer.*

4.5.3 Functional Requirements:

1. Cannot take order (Restaurant is closed):

- *The system cancels the order.*
- *The order is canceled by the food company.*

2. Meal not available:

- *The system delivers an order delay notice due to a lack of meal availability.*
- *No order can be established.*

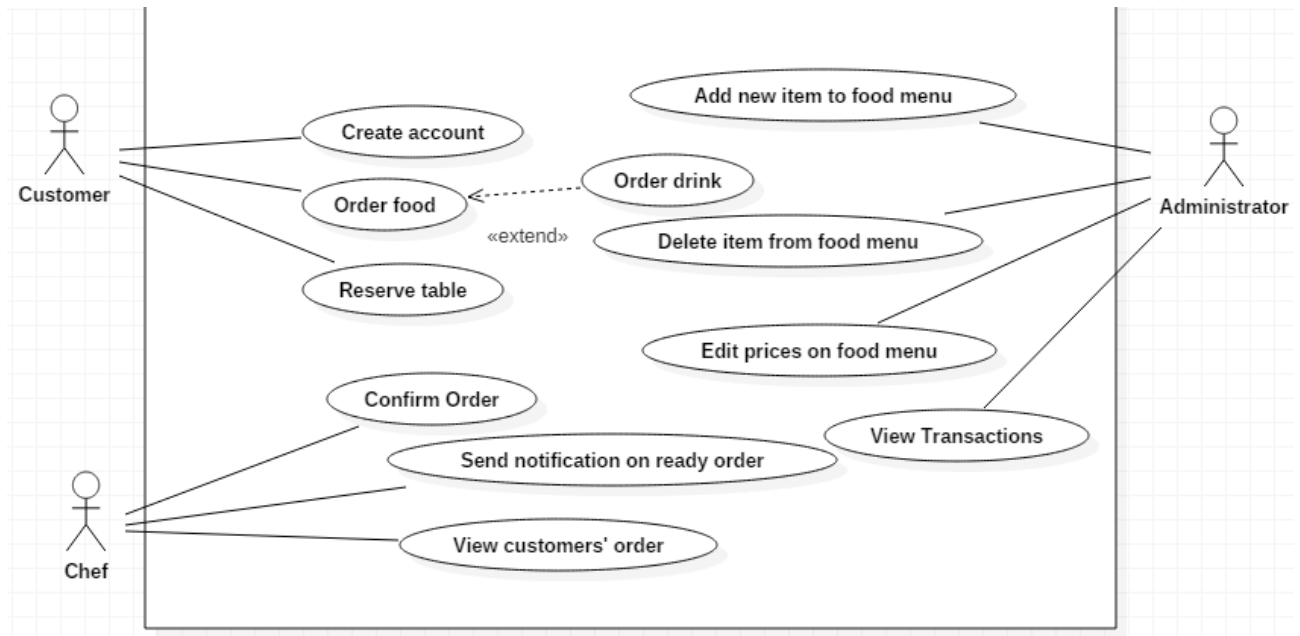
4.6 System feature 7 – Receive Feedback:

4.6.1 Description:

This feature allows the food brand to observe and respond to client feedback.

4.6.2 Response sequence:

- *After the order is delivered, the food brand receives comments and ratings from the customers.*
- *In the event of a problem or complaint, the food brand can respond to the customer via comments, phone calls, or text messages.*



5. Other Nonfunctional Requirement

5.1 Performance Requirements:

- The website should provide enhanced performance rather than a deterrent.
- Website should be available for 24\7
- Having too many tables in a database can result in slower query performance.
- The server will be able to assist with an unlimited number of active orders; that is, there will be no limit to how many active orders the server can assist with. Under no circumstances will orders be misplaced.
- Approximately 85 percent of inquiries should be handled in 4 seconds. There should be no exceptions. Communication between customers and the brand is delayed by more than 0.6 second.
- As soon as the user enters any inputs, the system will send suitable messages to the user.
- The photos should be displayed alongside the full-length pages.
- In addition, connections to the servers will be dependent on the user's attributes, such as his location, and the servers will be available 24 hours a day, seven days a week.

5.2 Safety Requirements:

- In the event of a failure, the system must be able to restore itself to its former condition (for example a system crash or power loss).
- To avoid data loss, the system must be properly specified. Because it delivers analysis on the basis of client data, the system cannot afford to lose it.
- Controlling access to the system and information is essential.

- Customers must not be harmed by the system.

5.3 Security Requirements:

- Assuming that any client utilizes his Master card for installment, OTP is sent by means of message or call for affirmation.
- Protection prerequisites i.e., secret key ought to be view in encoded structure.
- The server-side security is expected to shield the framework from programmers.

5.4 Software quality attributes:

The system should follow recognition rather than recall i.e., it is simple and easy to use and learn.

- The system should be scalable and manages the data load accordingly.
- Availability: If the internet service gets disrupted while sending information to the server, the information can be sent again for verification.
- Reliability: The system should be highly reliable and it should generate all the updated information in correct order.
- Availability: The system should be available 24*7.
- Maintainability: The system should be maintainable in such a manner that if any new requirement occurs then it should be easily incorporated in an individual module.
- Reusability: The system would be usable as long as people want to use it.

5.5 Business Rules:

- **The customer must supply a local telephone number number for web orders.**
- **A valid credit/debit card must be available for web order confirmation.**
- **The web order must be confirmed by the head waitress via return phone call.**
- **Preparation of the web order is not started until after the confirmation call.**
- **The credit/debit card number is held for web orders if the customer chooses to pay with cash or personal check.**
- **Payment for a web order is not processed until (failure of) customer pick-up.**

Conclusion:

This system has not only minimized mistakes while placing an order, it also provides maximum satisfaction for customers during the selection of food. Joey's Pizzeria delivery system allow customers to place an order via internet today and request for delivery on another day. "Pizza Service Tracker" provides customers an up-to-date status from the moment customers place orders to the moment the pizza leaves the store. Its geo-location feature is eye-catching for all the customers and will help a lot to customers. It's easy to use navigation and simple.

The End