**Software Design Methodology**

Assignment No: 2

**Feature Set Document**

**ONLINE FOOD ORDER SYSTEM**

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| **Project Group Information** | | | |
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# **PROJECT VISION**

*This project will allow hotels and restaurants to increase scope of business by reducing the labor cost involved. The system allows to quickly and easily manage an online menu which customers can browse and use to place orders with just a few clicks. Restaurant employees then use these orders through an easy to navigate graphical interface for efficient processing. Online ordering system that we are proposing here greatly simplifies the ordering process for both the customer and the restaurant*

# **PROJECT MISSION**

*The primary mission of an online food ordering app is to allow customers*

*to easily place orders at a restaurant over the internet.*

*With the improvement of technology, online food ordering systems are becoming a popular topic. That's because they are serving the ever increasing demand for convince. Purpose of an online ordering system is to provide customers for a way to place an order at a restaurant over the internet. The app benefits both the customer and the business. With mobile app, customers can easily browse all the dishes the restaurants have available, customize dishes to their requirements and place an order. It can also save their favourite orders allowing them to easily re-order that in the future.*

# **PROJECT SCOPE**

*Food Ordering app can sale Food products, preferred brands, kitchen needs, essential restaurant supplies and more, through this online, onestop Food store. You can use this app as one big super market app to sell product of your store. This app makes easy for user to buy food from store with easy steps and store can get easy orders.*

*Features of app :*

*1.Native Android Application*

*2.Classified Products*

*3.Easy add to cart with one click item*

*4.Manage Delivery Address Street wise*

*5.Choose Delivery time slot*

*6.User Menu :*

*a. Manage Orders*

*b. Manage Profile*

*c. Manage Address*

*d. Notification Configure.*

**GOALS**

*1. To develop a system that will surely satisfy the customer service.*

*2.To design a system able to accommodate huge amounts of orders at a time.*

*3. To evaluate its performance and acceptability in terms of security, user-friendliness, accuracy and reliability.*

*4.To improve the communication between the client and the server and minimize the time of ordering.*

*5.To automatically compute the bill.*

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| **Goal-ID** | **Priority** | **Factors Addressed** |
| **1** | 1 | Maintaining traffic of orders |
| **Target Audience** | Customers |
| **Driver** | To maintain the synchronization of orders and its congestion |
| **Description** | The aim is to provide rush-free experience for ordering the food to users |
| **Response** | The system contains all respective sub-domains such as customers, admin and restaurant employee connected with the database. |
| **Open Issues** | Is the database scalable?  How to deal with increasing challenges of system? |

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| **Goal 1 Description:** | | | | |
| **SpecificTest** | | | | |
| Is ‘What’ identifiable? | Is the ‘Why’ clear? | Can ‘Who’ be identified? | ‘Where’ will it be performed? | ‘Which’ resources are needed? |
| It will help the restaurant employees to maintain the orders | The cart-bag of orders will help customers to manipulate number orders at once. | This step involves the admin part as they will use the data for future use. | It will be performed directly from restaurants to offices, home, etc. | Well scaled database, Integrated Development Environment(IDE’s), XML files |

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| **Goal 1 Description:** | | |
| **MeasurableTest** | | |
| Is the end result quantifiable? | ‘Figure’ of Measurement | Has the goal a clear end date/point? |
| Yes, The customer can view, book food orders smoothly. Restaurant team can process the order. | It can be measured by the number of orders placed | The end point will be process orders faster as possible. |

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| **Goal 1 Description:** | | | |
| **ATTAINABLETest** | | | |
| What is your reaction to the goal? | Does it feel realistic? | Is it overwhelming? | Do you find it motivating? |
| The goal is pretty much an important thing in building any software system. Customers will easily order, restaurants can easily process further. | This goal feels realistic as we manage the orders accordingly. | It is a little bit overwhelming as we need to take care of the main three sub-domains. | As it is quite an interesting project, so feels motivating. |

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| **Goal 1 Description:** | | |
| **RELEVANTTest** | | |
| Does it fit into the overall team / organization objective? | Taking overall fit is the timing appropriate? | Do you have sufficient resources / budget to succeed? |
| System allows users to save items to the cart and view detailed information about the order and completes the objective. | Yes, the timing is appropriate as the system allows synchronization between orders. | Yes, all electronic gadgets are sufficient to fulfill needy resources. |

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| **Goal 1 Description:** | | |
| **TIME BOUND Test** | | |
| Does it have a clear end date/point? | Is the focus clear so you can create an action plan? | Is its position on an Urgency/Importance grid clear? |
| This is the after-step of the middle phase so making orders smoothly is the end point. | Yes, we will be able to make this platform great to make customers' lives easy. | This is going to be the base for the system. So, this is the most important part of the system. |

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# **FEATURE SET**

|  |  |
| --- | --- |
| Feature-ID | Feature Description |
| 1 | Classified products |
| 2 | Provides searching facilities based on various factors. |
| 3 | Easy add to cart with one click |
| 4 | All the fields such as shopping cart ,delievery address take valid values only. |
| 5 | Provide filter reports on delivery address ,order,shopping cart. |
| 6 | Manage delivery address streetwise. |
| 7 | Customer gets a tracking id to track his/her order |

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# **STAKEHOLDERS**

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| **Stakeholder** | **Concerns** | **Quadrant** | **Strategy/ Benefits** |
| **Management group** | Ensuring proper handover of project to operations team | Minimal Effort | Communicate project specifications and food orders pending as required |
| **Food ordering module** | Ensuring that customer can smoothly create, handle account and navigate through restaurants menu, select and place order | Key Player | Provides the functionality for customers to place their order and supply necessary details. |
| **Order retrieval system** | Ensuring on time delivery of food . Display order from database to window. | Minimal Effort | Communicate project schedule and material requirements ahead of time to ensure delivery |
| **Project guide** | System performance must meet or exceed current product | Key Player | Communicate test results and performance specifications and obtain feedback on customer requirements or any changes. Provide frequent status reports and updates. |
| **Menu management group** | provides functionality for the power user-Administrator only | Keep Satisfied | Communicate applicable resource requirements early and ensure resources are released back to engineering when they’re no longer required |

# **ACCEPTANCE CRITERIA**

*• Create an account.*

*• Manage their account.*

*• Log in to the system.*

*• Navigate the restaurant’s menu.*

*• Select an item from the menu.*

*• Customize options for a selected item.*

*• Add an item to their current order.*

*• Review their current order.*

*• Remove an item/remove all items from their current order.*

*• Provide delivery and payment details.*

*• Place an order.*

*• Receive confirmation in the form of an order number.*