

Group project deliverable 1

IS 636 Structured System analysis and design (section 02)

Improvising the system for “Chopathi Indian Restaurant”

02/28/2023

Group name

Rebel force.

Students full name

Sai Iluru, Venkata Subba Rao Chaitanya Jayanti , Valli Pattikonda, SriHarsha
kommareddy

Project Sponsor: Krishna Reddy, Manager, Chopathi Indian Restaurant , Phone number: 4436203535

Description: He is a manager at Chopathi Indian Restaurant and accountable for handling the finances, staffing, inventory, and customer service for all aspects of the restaurant's daily operations.

Business Need: ‘Chopathi’ is a very good restaurant to order your food, Yet Its sales are not up to the mark. The restaurant may need a system that helps manage and organize orders more efficiently to reduce wait times for customers and improve overall customer satisfaction. Additionally, they may need a system that allows them to track inventory levels, manage suppliers and purchases, and automate reordering processes. Finally, a system that allows them to collect and analyze customer data, such as their preferences and order history, would be beneficial.

Business Requirement:

a) Inventory Management System:

Let the restaurant to keep track of the supply and ingredient levels. Send out automatic warnings when inventory levels drop below a predetermined level. Enable for simple inventory reordering and supplier purchases. Inform the staff of inventory levels and any shortfalls in real time.

b) Customer Relationship Management System:

Let the restaurant to gather and keep customer information, including preferences, order history, and contact details. By data analysis, give customers information about their behavior and preferences. Allow consumer data-driven tailored marketing and advertising efforts. Allow customized client outreach through loyalty programs or specific promotions.

c) Order Management System:

Provide the personnel a simple interface so they can view and manage orders in real time. Allow for special requests and order modification. Inform the staff if there are any order delays or problems. Customers should receive real-time updates on the status of their orders.

d) A systematic leadership that can act quick:

‘Chopathi’ has 4 branches and several partners yet it’s having a lot to optimize it’s performance. Even after 2 years of establishment it still does its inventory management manually sometimes leading to miscalculations leads to run out of stock during peak times. It is noted that the delay in communication between local branch staff and management to get approval for items is causing the issue.

Business Value:

a. Improved order management efficiency, which results in shorter customer wait times and higher customer satisfaction.

b. Lower expenses and waste due to enhanced inventory control and automated reordering procedures.

c. Enhanced customer retention and recurring business due to individualized marketing initiatives.

Special Issues or Constraints:

- a) Technical constraints: The system needs to work with existing hardware and software, and the network infrastructure needs to be able to handle the additional data traffic brought on by the new system.
- b) Financial constraints: The restaurant may have a little budget for purchasing and putting a new system in place, and it is also important to consider the expenses of continuing maintenance and support.
- c) User adoption: The new system must be simple to use and navigate and staff employees must be taught and eager to embrace it.
- d) Data privacy: The system needs to protect customer data and abide with data privacy laws.
- e) Interoperability with current systems: The new system must seamlessly work with current accounting and point-of-sale systems.

Rebel Force			
S.no	Name	Responsibilities	Time spent
1	Sai Iluru	Contacted the organization and asked for issues	3 hr
2	Venkata Subba Rao Chaitanya Jayanti	Maintained document of business issues of organization	3 hr
3	Valli Pattikonda	PPT and improvisation of document	3 hr
4	SriHarsha Kommareddy	PPT and improvisation of document	3 hr

Team Name: Rebel Force

Team Members

1) Sai Iluru

I would describe myself as a creative and critical thinker. I have worked as an AWS DevOps engineer at Tata Consultancy Services. My daily responsibilities revolve around maintaining and improvising the system, developing automation to deploy the infrastructure in the cloud. Coming to my interests I would like to work on interested unexplored research areas which has potential for doing greater good.

2) Valli Pattikonda

I am known for my keen eye for detail and a growth mindset. I specialized in traditional media but have a passion for app development, UX/UI Design. Apart from the curriculum, I like to travel, cook, and watch movies. I am classically trained in dancing (Bharatnatyam) and Carnatic music.

3) Venkata Subba Rao Chaitanya Jayanti

I worked as an application development associate at Accenture. My duties is to provide technical support to all the systems we have in our project based on the client's requirements which include data migration from one system to another system, developing the application to adhere to the application's requirements and business process design, and fixing any defects and performance problems discovered during testing.

4) SriHarsha Kommareddy

I started as a junior software analyst at Capgemini, where I was taught in the dot NET framework and later worked on Euroclear project, which is a Belgian company. My responsibilities include working with the web API, MVC, and I have also learned VBA macros as part of the project need, that requires me to write macros or scripts to automate some activities in the Excel.