

PRACTICAL 2

AIM: Project Definition and objective of the specified module and Perform Requirement Engineering Process.

CAMPUS CRAVINGS:

“Campus Cravings” is the web-based application. It will be provide the food delivery service within college campus. It provides food delivery service at very low price to people who are orders something within campus area. Anyone who is available in campus and he/she wants to order something he/she can order from this site at very low delivery charge and also may get discount of food court.






INNOVATIVE FEATURES OF THE SYSTEM:

- ✚ It will be connect most of the canteens and food stalls which are available within the campus to this project.
- ✚ Using this site anyone who is available within campus/hostel/any _building can order food from this project.
- ✚ People who are busy in their work and don't want to waste the time to grab the food by walking too much distance they can easily order something for them using this project.
- ✚ Most of canteens and food stalls has no sufficient space for the students to sit and have a food, students needs to wait too much time to get a food.
- ✚ So this project will save the precious time of the people and make their life easy.

SCOPE OF THE SYSTEM:

- ✚ It saves the time of people and and also avoids from making crowds at canteens.
- ✚ People have to simply signup with this project and select the food court or canteen and then add food into cart whatever they want to order and simply checkout.
- ✚ It focuses on:
 - Saving the time of people
 - Give smart facility to college campus
 - Also avoiding crowd of people and make their life easy
- ✚ It will be developed using NODE JS, JAVASCRIPT, HTML5, CSS3, MONGO DB

MAIN MODULE OF THE SYSTEM:

-  Vendor Panel
-  User System.
-  Connecting canteens and food courts at one platform.
-  Vendors can upload their food items on this project.
-  User can order anything which is available in this site from anywhere within campus.

REQUIREMENT OF SYSTEM:

DEFINITION OF REQUIREMENT ANALYSIS:

Analysis of system requirements involves a clear understanding of the application to be developed with the view of removing all ambiguities from user perception.

REQUIREMENT SPECIFICATION:

Non-functional requirement:

The non-functional requirements include those that are implicit and improve the quality of the software.

- **Security:**

There is a facility for security of data. Authenticated users can access the application.

- **Easy to use:**

The system is easy to use and a good GUI.

- **Reliability:**

Reliability is assured by carrying out several tests for various test data as well as real live data and the output result matches the actual result.

The system has been tested thoroughly which is described in the testing part. Hence the system is reliable. The system supports generation of the printed reports.

Functional Requirement:

1. USER LOGIN:

This feature used by the user to login into system. They are required to enter email Id and password before they are allowed to enter the system. The email id and password will be verified and if invalid id is there user is allowed to not enter the system.

REQUIREMENTS:

- The system must only allow user with valid id and password to enter the system
- The system performs authorization process which decides what user level can access to.
- The user must be able to logout after they finished using system.

2. ADMINISTRATOR:

Administrator of the system has all the rights and authorities to view as well as to modify and update the system whenever required for example he can add, remove, edit, area, valid zip code list, categories.

3. REGISTER A NEW USER:

This feature can be performed by all users to register new user to create account

REQUIREMENT:

- System must be able to verify information
- System must be able to delete information if information is wrong

4. REGISTER NEW BOOK:

This feature allows to add new books to the library.

REQUIREMENT:

- System must be able to verify information
- System must be able to enter number of copies into table.
- System must be able to not allow two books having same book id.

5. SEARCH BOOK:

This feature is found in book maintenance part. we can search book based on book id, book name, publication or by author name.

REQUIREMENT:

- System must be able to search the database based on select search type
- System must be able to filter book based on keyword entered
- System must be able to show the filtered book in table view

	VIEW	SEARCHING	MODIFY	ADD	WRITE REVIEWS
ADMINISTRATOR	Y	Y	Y	Y	N

GUEST	Y	Y	N	Y	Y
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FEASIBILITY STUDY:

Feasibility study is the study of the application to check whether the application made is feasible or not. It is very useful to check whether the application works as per requirement or not. It is undertaken to determine the possibility of developing completely new applications. There are four feasibility studies that are considered.

- Technical feasibility
- Operational feasibility
- Implementation feasibility

TECHNICAL FEASIBILITY:

- It determines that work for the project is done with the present equipment and existing software technology.
- As suggested for technical feasibility LIBER will be user friendly and has a better GUI.
- Does the proposed equipment have the technical capacity to hold the data required to use the new system?
- Are there technical guarantees of accuracy, reliability, ease of access and data security.

OPERATIONAL FEASIBILITY:

It covers mainly two aspects. It determines how the proposed system will fill in the current operation and what will happen if the job retraining and reconstructing may be needed at the end of the implementation system. The operational feasibility checks whether the user who is going to be using the system is able to work with the software in which the system is coded! System is very user friendly. Level of security and any other access control constraints are high.

IMPLEMENTATION FEASIBILITY:

- As we have mentioned that we are going to use PHP, HTML, CSS, MYSQL to develop this project, we found that these technologies are easy to learn and then use.
- There is no copyright issue we face in development.

- We can use any hardware configuration of pc/laptop to complete development of this project.
- Once project is developed, it can be hosted on any web server with any operating system.

FEATURES OF THE SYSTEM:

- Also provides and interacting chat box where they are also given suggestion on the base of user's interest.
- Users can also read and write the reviews about the book.
- There is also a feature in which fine will be calculate automatically.
- Also tracks the user's record.

SYSTEM REQUIREMENT STUDY AND ASSUMPTION:

Hardware requirements

The online system that we have built requires some specific hardware configuration; I have mentioned the basic minimum hardware recommendations to run the system adequately. Any higher configuration hardware would only add to the performance of the system. the minimum hardware would only add to the performance of the system. the minimum hardware requirements to run the system properly are as follows.

- 20 GB hard disk
- 512 DDR RAM
- Network card/network connection
- 1.4 GHZ processor

Software requirements

➤ **Server side:**

- Operating System: any modern operating system like window, Linux, MACOS
- Web Server: Internet Information Services (IIS) Server or Apache.
- Database: MySQL
- Server-side scripting language: PHP

➤ **Client side:**

- Operating System: any modern operating system like window, Linux, MACOS
- Web Browser: any modern browser like Firefox Mozilla / Internet Explorer.

Technology used for development

- Front – End: HTML,CSS,JS,AJAX,BOOTSTRAP
- Back – End: PHP,MYSQL
- Tools: NotePad++/Sublime,Xamp

Operating System:

- Operating System: any modern operating system like window, Linux, MACOS.