

# DATABASE MANAGEMENT SYSTEM PROJECT REPORT

## **HOSTEL UTILITIES**

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## **1.Introduction**

### **1.1 Purpose**

1.1.1 Room allotment

1.1.2 A way to check students' details and lodge complaints.

1.1.3 Easy access to information of wardens

1.1.4 Online facility to check for and order required items present in co- operative society

1.1.5 Check details regarding night canteens and food stores in the campus

### **1.2 Scope and relevance**

Provide facilities like room allotment, searching for details and lodge complaints, checking and ordering items present in co-operative society, checking details regarding night canteens and food stores in the campus and changing one's password.

### **1.3 Overview and description**

The system allows one to easily access the relevant information. This system will save time that is otherwise wasted in searching manually and in travelling from one place to another. The software allows users to eliminate the paper copy as they can now directly access the information from the computer. This reduces paper costs and increases the accessibility of information that is stored at distant locations.

## 1.4 Definitions

1.4.1 **Registration of new user:** add the user information such as user name, identity number.

1.4.2 **Display:** read all user information such as user identity number, user name, address, phone number and cost of items available in the co-operative society.

1.4.3 **Search:** in this option, the user can search for information about themselves or about another user (wardens can search for students' information and vice versa), items available in the co-operative society and the cost of these items.

1.4.4 **Modify:** update the user identity number, name, address, and cost.

1.4.5 **Delete:** delete the record of the user identity number, name, address, phone number, time and date of registration.

## **2. General Description**

### **2.1 Product description**

To provide flexibility to the users, the interfaces have been developed that are accessible through a browser. Payment must be in co-ordination with bank.

#### **2.1.1 Administrative user interface**

It concentrates on the consistent information that is practically, part of the organizational activities and which needs proper authentication for the data collection. It helps the administrators with all the transactional states like Data insertion, Data deletion and Data update along with the extensive data search capabilities.

#### **2.1.2 Operational or generic user interface**

It helps the end users of the system in transactions through the existing data and required services. The operational user interface also helps the users in managing their own information in a customized manner as per the included flexibilities.

### **2.2 User characteristics**

2.2.1 Open to all authorized users

2.2.2 Users are students of the college and the wardens of the blocks

2.2.3 Maintainers must be experienced network administrators

### **3. Specific Requirements**

#### **3.1 Functional requirements**

##### **3.1.1 Functional Requirement 1:**

Description: Registration for using the software.

Input: Details like name, contact number, hostel address and date of registration

Processing: Saving the details into the record.

Output: Record is updated with the user details.

##### **3.1.2 Functional Requirement 2:**

Description: Modify details.

Input: New details to be added

Processing: Delete old data and enter new data

Output: Data is updated

##### **3.1.3 Functional Requirement 3:**

Description: Display the details .

Processing: Fetch data from record .

Output: Display the details like name, contact number and cost for the trip.

##### **3.1.4 Functional Requirement 4:**

Description: Search the details .

Input: Name of customer

Processing: Searches for the name in the record.

Output: Displays the details of the customer searched.

### 3.1.5 Functional Requirement 5:

Description: Delete the details.

Input: Enter which detail to be deleted.

Processing: Remove the details from record.

Output: Update the record.

## 3.2 External interface

### 3.2.1 Hardware interface

#### 3.2.1.1 Printers

#### 3.2.1.2 Local Area Network

### 3.2.2 Software interface

#### 3.2.2.1 PhpMyAdmin

#### 3.2.2.2 PHP platform

#### 3.2.2.3 MySQL

#### 3.2.2.4 NetBeans IDE 8.2

#### 3.2.2.5 ERDPlus

## 3.3 Non-functional requirements

### 3.3.1 Reliability

#### 3.3.1.1 Valid user inputs

#### 3.3.1.2 Good internet connection

### 3.3.2 Availability

#### 3.3.2.1 System available all the time

#### 3.3.2.2 User has good internet connection

### 3.3.3 Transferability

#### 3.3.3.1 Portable

3.3.3.2 Can be used on any configuration with the specified  
Operating System and a web browser

### 3.3.4 Security

#### 3.3.4.1 User authentication required

#### 3.3.4.2 ID and password

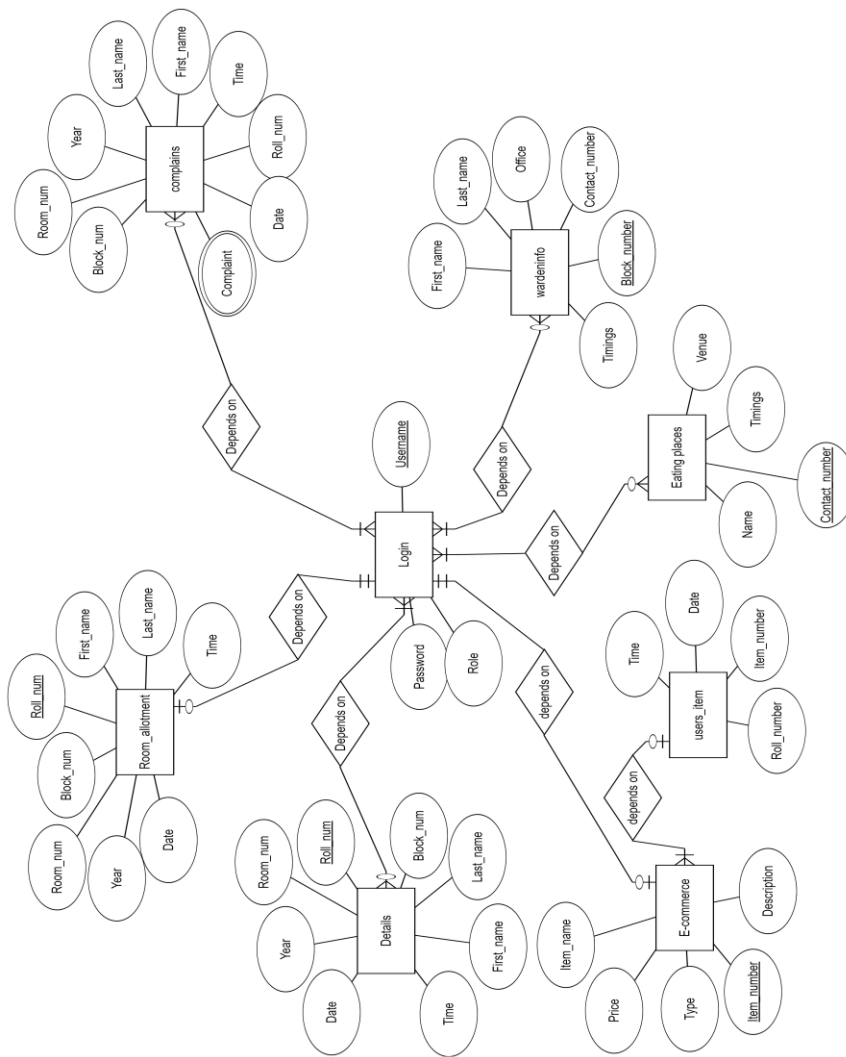
#### 3.3.4.3 Passwords are encrypted

### 3.3.5 Maintenance

#### 3.3.5.1 Modularity

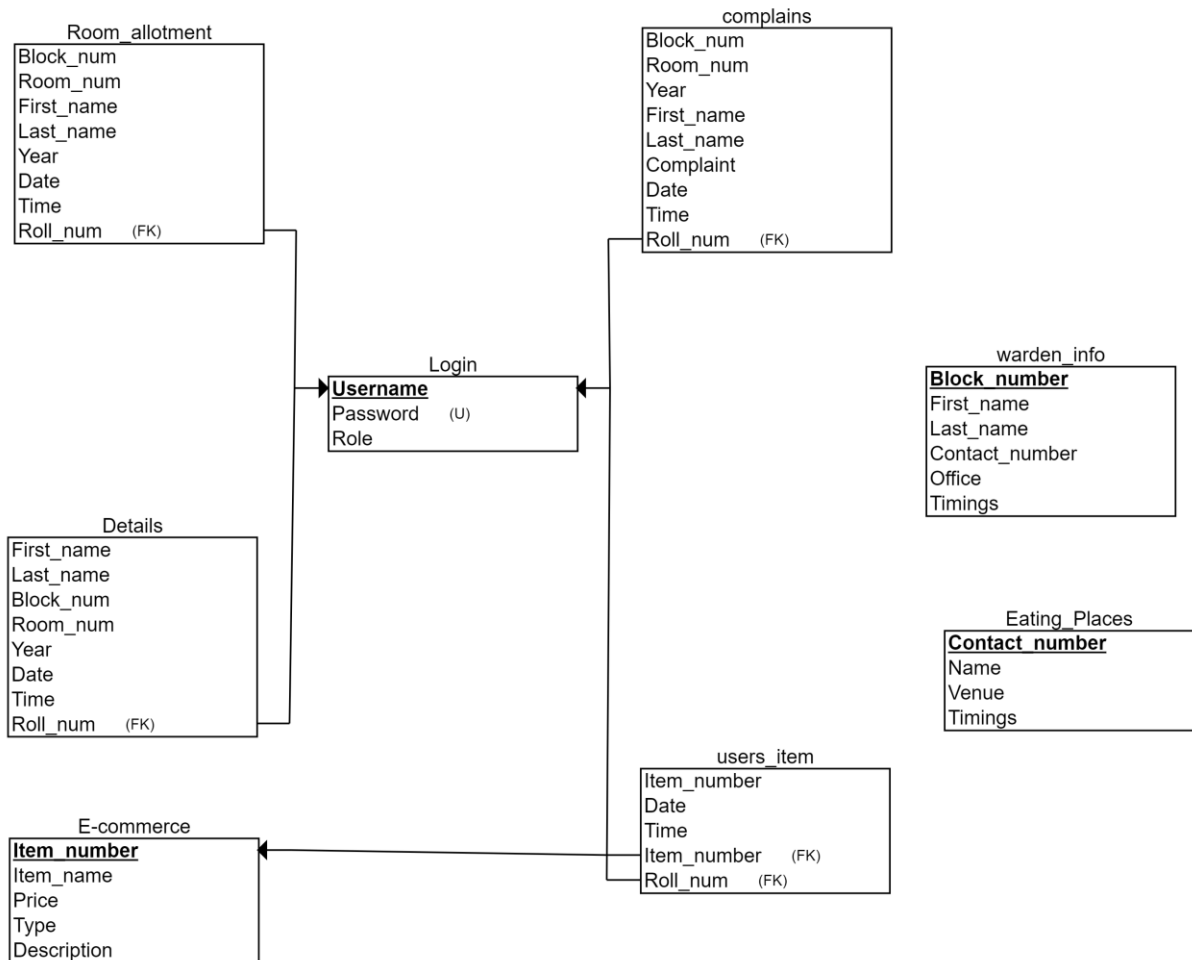
#### 3.3.5.2 Proper documentation

## 4. E-R Diagram

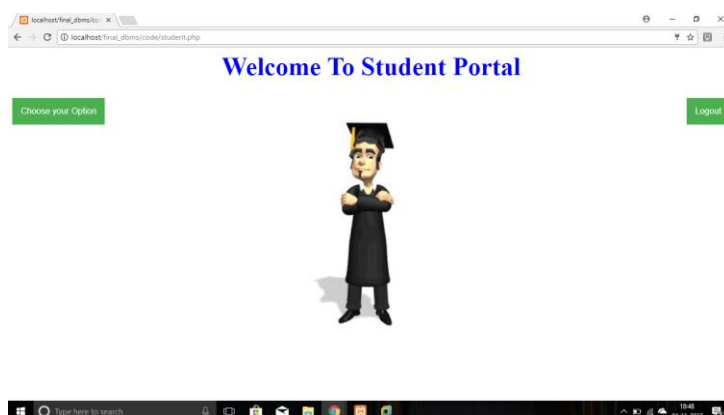
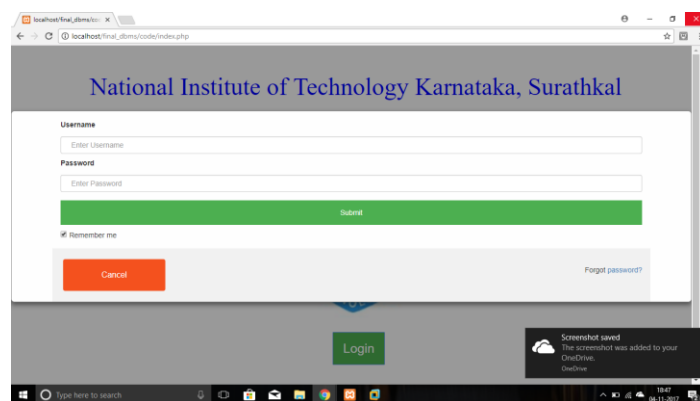


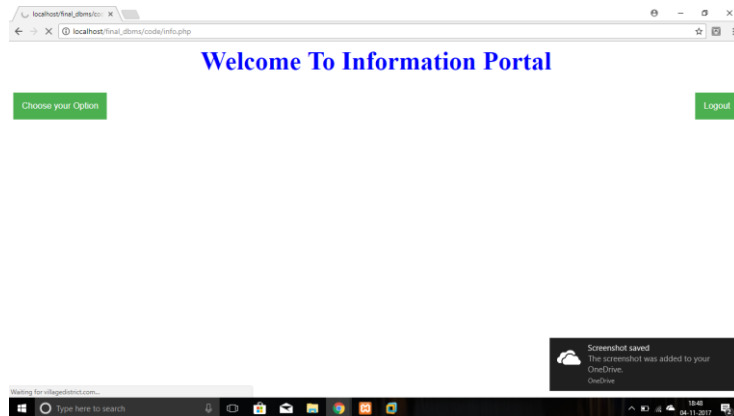


## 5. Relational Schema



## 6. Screenshots





localhost/final\_dbms/coo X  
localhost/final\_dbms/code/room.php

## National Institute of Technology Karnataka, Surathkal

**First Name**

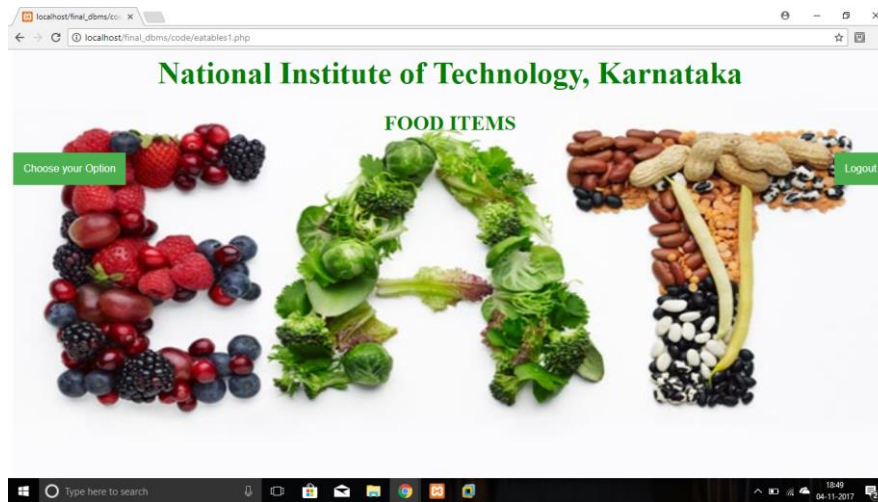
**Last Name**

**Year**

**Block Number**

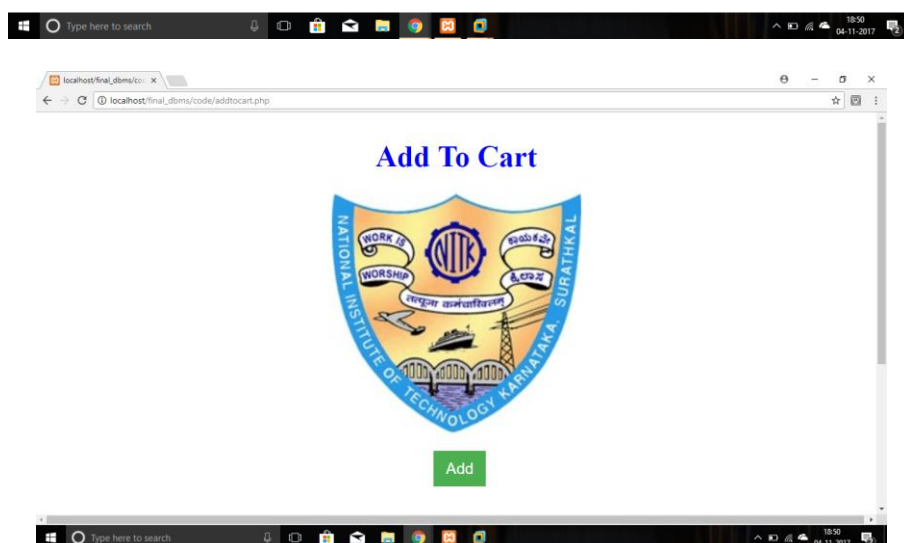
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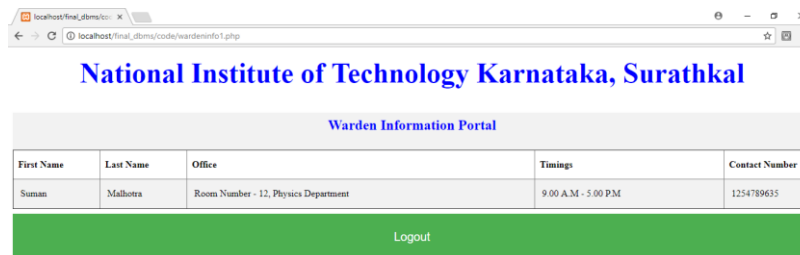
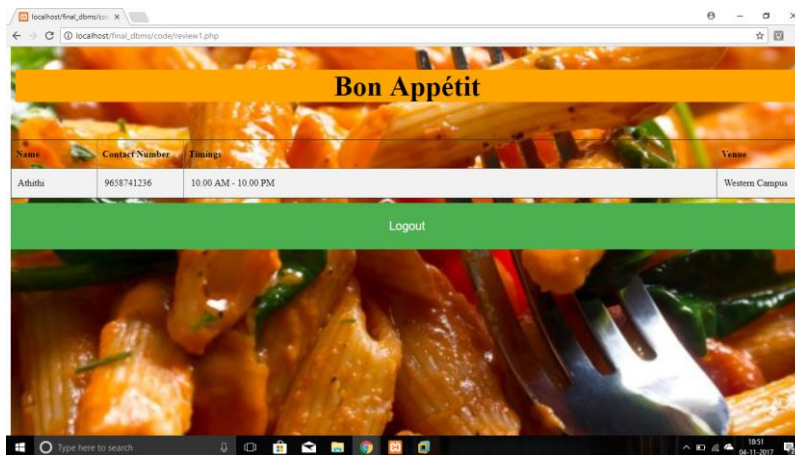
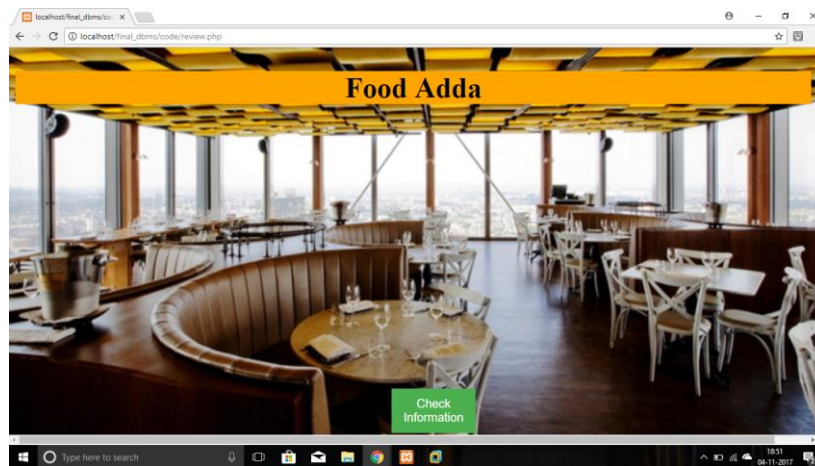


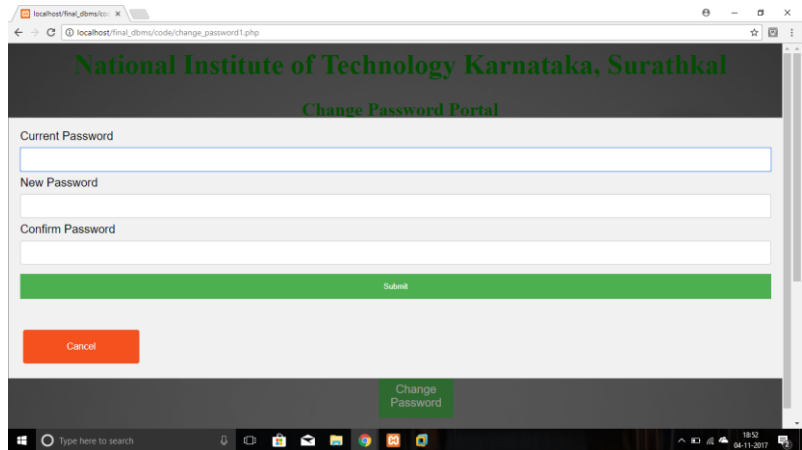
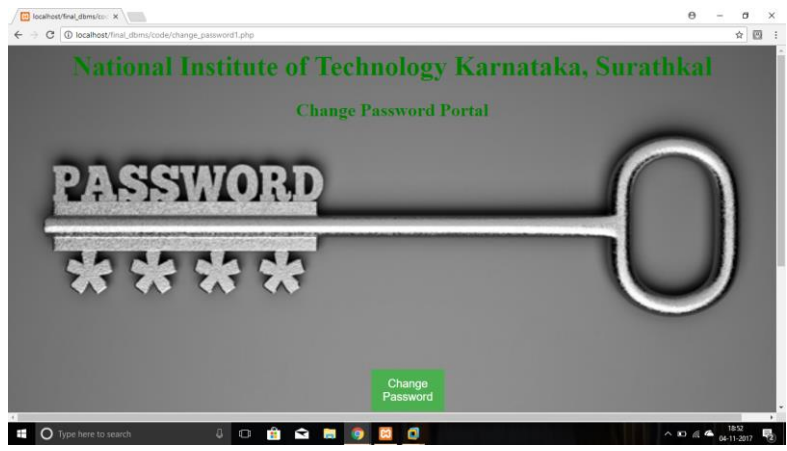


Product Availability				
Item Number	Item Name	Description	Price	Type
16	Britannia Cookies	Britannia Cookies Cashew Cookies 120gm	20	Eatables
17	Britannia Cookies	Britannia Cookies Butter Cookies 150gm	20	Eatables
18	Britannia Cookies	Britannia Cookies Nuts Cookies 200gm	40	Eatables
19	Britannia Cookies	Britannia Cookies Choco Chunkies 100gm	50	Eatables
20	Britannia Cookies	Britannia Cookies Choco Chip Cookies 120gm	30	Eatables
21	Britannia Cookies	Britannia Cookies Choco Chip Cookies 75gm	25	Eatables

Add To Cart







## **7. Conclusion**

This document will be the first part of a continuing series of interaction with the users. This will ensure that the needs of the users are met at reasonable and timely way. This interchange will involve both information such as this document and prototypes of our product. The result will be a product that is functional, reliable and easy to learn and use.

## **8. Link:**

<https://drive.google.com/drive/folders/1qMbuwG0BykBteeLrGgeX3bKJOhdpbOj?usp=sharing>



THANK YOU!!!