

PROFESSIONAL TRAINING REPORT-II at Sathyabama Institute of Science and Technology (Deemed to be University)

Submitted in partial fulfillment of the requirements for the award of
Bachelor of Technology Degree in Information Technology

by

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**DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING
SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
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CHENNAI – 600119, TAMILNADU**

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SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited with Grade “A” by NAAC

(Established under Section 3 of UGC Act, 1956)

JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI- 600119 www.sathyabamauniversity.ac.in



DEPARTMENT OF INFORMATION TECHNOLOGY

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of **Abhishek Singh (38120003)** who carried out the project entitled “**Hostel Management- Zoho Creator**” under my supervision in November 2021.

Internal Guide

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Submitted for Viva-voce Examination held on:

Internal Examiner

External Examiner

DECLARATION

I, Abhishek Singh (Reg. No. 38120003) hereby declare that the Professional Training Report on “**Hostel Management- Zoho Creator**” done by me under the guidance of **Dr. P. Jeyanthi M.E., Ph.D.**, at Sathyabama Institute of Science and Technology is submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Information Technology.

DATE:

PLACE:

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to the **Board of Management of SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

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I wish to express my thanks to all Teaching and Non-Teaching staff members of the **Department of Information Technology** who were helpful in many ways for the completion of my project.

TRAINING CERTIFICATE

COURSE COMPLETION CERTIFICATE

This is to Certify that

Mr. / Ms. **ABHISHEK SINGH**

has successfully completed the training on ZCF

ZOHO CREATOR FOUNDATION PROGRAM

conducted by **ITKESPL, Authorized Training Partner for Zoho**

Certification Number: ZCF-02013

ISSUED BY:
ITK EDUCATION SERVICES PVT LTD

JOSEPH M
DIRECTOR OPERATIONS



ABSTRACT

An online Hostel Management application acts as a central database for the college hostel Administration, which contains all the data about the hostel, and students living in the hostel. This application was done using zoho creator. This application was developed using a Drag and Drop approach which allows the user to create an application easily without any tech knowledge. This online Hostel Management application helps the student to apply for a hostel easily. The zoho form stores various student details. A user visiting this application can easily understand the workflow of the application and its user friendly. Students can select any hostel, floor and room as per their wish. First student needs to apply for identity verification, that application is sent to college administration to gather his details and to know whether he/she is really a student of our college. If the Identity verification was approved by the management, then the student can proceed with hostel room booking. This project can be used in hostel to facilitate to store new records of students in database, to display the saved records with printing facilities. During the development of this project, I have visited the hostel administration for collection of data and analyze their problem. We have tried to fulfill most of the desire of the hostel requirements but due to the lack of time some of the requirements were solved.

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CHAPTER 1

INTRODUCTION

With the advancement of technology, application areas of computer are rising day by day. Every sector desires its procurement for fast accurate and automated operations. Therefore, different program is developed to meet the requirement of various types of users i.e., related to any field.

This program entitled “**Hostel Management System**” is an individual work of mine. It is a small software package which is helpful in the areas of Hostel. This program package includes all the activities in which the hostel is managed. The activities like the user management, the inventory processing, the data summary, etc. are included.

In terms of security this software is totally secure as it doesn't give access to unauthorized user as the username and password facility is provided.

I chose Hostel management software as the system seemed simple and easy to use. During its development we realized that we needed software that may help to manage hostel activities and various other adjustments.

1.1 A GENERAL MODEL

1.1.1 DEFINITION

During this project development, I visited different hostels such as hostel, top in Sathyabama University etc. and analysis the difficulties of administrative group in their hostel transaction and provide such solution which may solve their desire problem. I also ask them about how their activities are operated day to day. I also discuss what is the best solution of this problem. The problem analyzed for the hostel are

- Check in/ checkout system for students to keep records of room that have been reserved.
- Room Reservation system to keep records of the students and find their room number.
- To generate report of each room reserved.

Among these problems we have choose the Mark sheet problem and try to make the project to display Mark sheet of the students with printing facility. The user can also save record of total number of students in the hostel information about their faculty and course the study. We have also attached the form to keep simple record of the teachers. This software is totally secure with password protected facility. The administrator can create new user, update them when required and delete them if necessary. The administrator staff can utilize all the facility provided by the software and all the guest staff can get some of the facility.

This software also provides the facility to create backup of the database which will help to retrieve data when the accidental loss in the original database happens.

1.1.2 PROBLEM STATEMENT

Even though I have tried my best effort in making the system error free but some errors may have crept into it. As this is my first project or system development in visual basic, we have tried my best to make it free from limitations, and maybe I'm successful. The limitation on the project is the lesson for me to improve it. During my system development on this project, I have faced many problems in testing, coding, debugging and implementing some rules and regulation.

ADVANTAGES

- Students can get their hostel rooms as per their wish and can apply for hostels easily from home itself, instead of going to the college and waiting for their turn. They can also make their payment online.
- Students can get a detailed knowledge about the vacant and non-vacant room.
- This application saves time and cost for traveling.

1.1.3 OBJECTIVE

The main objective behind preparing this project is that to give hostel a complete facility that a hostel managerial team wants. It even helps the user to handle the managing system of the hostel properly. And it also gives the customer an easier way to have booking and other related activities in the hotel. Besides this there are many objectives like:

- 1) To manipulate the Hostel transactions with instant confirmation.
- 2) To save time.
- 3) To increase efficiency of students.
- 4) For fast access of data.
- 5) For secure and smooth running of the program.
- 6) For error free, effective and easy for database related works.
- 7) The application request for the check-in and check-out date and time, number of visitors,
and his/her preferred room category.
- 8) Indicate the room availability and the location of the rooms.
- 9) If the visitor is satisfied with the room location, then confirm the booking; and
- 10) Upon confirmation, print the payment details and other necessary constraints.
- 11) To reduce material related cost.
- 12) To have an efficient material management a company must establish clear guidelines and
strategies regarding purchasing of material, storage and minimization of inventories.
- 13) Good accounting and recording keep will keep a close watch on any workers who might
think that they can help themselves with the company's material.

Chapter 2

WAY TO USE ZOHO CREATOR

Zoho Creator is a cloud software to create custom applications on your own without any prior coding experience or IT expertise. Zoho Creator's drag-and-drop interface enables you to create custom business applications in days rather than weeks. You can collect data, automate business processes or workflows, analyze the data in reports, and collaborate with your application users.

Zoho Creator lets you concentrate on automating your business process without worrying about maintenance, hosting, and scalability. With our native mobile apps, you can access real-time data from anywhere, anytime and on any device.

The Zoho Creator user interface supports two different roles.

- **Application Creator or Application Owner** - An individual who creates the application to meet his/her needs(**Example:** Project Manager who needs to keep track of the projects, creates '**Project Tracker**' application).
- **Users** - Individuals who access the application. Your application users can be your team members, customers, executives, employees, vendors, and partners.

2.1 CREATE THE APPLICATION

It will be easy for you to create an application once you are familiar with the core components of Zoho Creator. They are:

- **Forms** - Collect and store the data
- **Reports** - View and analyze the data gathered through the Forms.
- **Pages** - Customized HTML views.

A Zoho Creator application comprises of one or more Forms, Reports, and Pages. Given below are the basic steps involved in creating and accessing a Zoho Creator application.

2.1.1 CREATE FORMS

Every business generates a large volume of data, and hence data collection is the starting point. You can collect data through Forms in Zoho Creator.

A Form is made up of one or more fields that allow the user to enter information. The Form Builder helps you create Forms easily with simple drag-and-drop of the required fields. By default, when you create a Form, Zoho Creator will create a table at the back-end to store the data submitted through the Form.

Form Builder

The screenshot displays the Zoho Creator Form Builder interface. On the left, a sidebar contains navigation links: Dashboard, Create New, Workflow, and Settings. The main workspace is titled 'Add Purchase Order (Vendor)'. It features a 'FIELDS' panel on the left with various field types like Single Line, Multi Line, Email, Rich Text, Date, Date-Time, Drop Down, Radio, Multi Select, Checkbox, Number, Decimal, Percent, Currency, Url, Image, Decision box, File upload, Lookup, Add Notes, SubForm, Zoho CRM, Auto Number, Formula, Signature, and Users. The central area shows the form layout with fields for Purchase Order No., Yarn, Vendor, Quantity (in grams), Quantity (Kg), Deadline, Date, and Status. The right panel, titled 'FORM PROPERTIES', includes sections for Form Title, Form Link Name, Appearance (Label Placement, Label Width), Success (Data Added Successfully!, Send Confirmation Email, Go to Next URL), and Validation (Enable Captcha, One Entry Per IP Address, One Entry Per User, Maximum Entries).

Create relationship between Forms

An Application is a collection of Forms that are closely associated with one another. Each Form is self-contained. It can function alone and need no other Form's aid to collect data.

The **Lookup** and the **Subform** field can be used to establish the relationship between Forms.

- A **Lookup field** on one Form fetches data entered into a field that resides on another Form. One-to-one and Many-to-many relationships can be established using single-select and multi-select lookup fields. You can draw relationship between forms in the same application or different applications.

- A **Subform field** is used to create one-to-many relationships. You can add an existing Form as subform or directly create the required subform in your parent Form.

2.1.2 CREATE REPORTS

Zoho Creator supports multiple report formats to display the data gathered through Forms. You can view data as a List, Calendar, Summary, Grid, Pivot table or graphically as Charts. Also, you can customize your report (using filters, grouping & sorting) and isolate the required data from the large repository.

Report Settings Section

The screenshot shows the 'Report Settings' interface in Zoho Creator. The left sidebar contains navigation options: Dashboard, Create New, Workflow, Settings, and Zoho Creator logo. The main content area is titled 'Purchase Orders' and includes a 'Back to form builder' link. The settings are organized into sections: Basic Details, Display Properties, and Criteria. The 'Basic Details' section includes fields for Name, Email ID, Mobile, Display name, Link name, Based on, and Display type. The 'Display Properties' section includes fields for Display type, Records per page, Menu alignment, and Left. The 'Criteria' section includes a note that criteria is not specified and a link to 'Add Criteria'.

Name	Email ID	Mobile	Display name	Link name	Based on	Display type
SAMPLE			Purchase Orders	Purchase_Orders	Add Purchase Order (Ve...	List

Display type	Records per page	Menu alignment	Left
List	10		

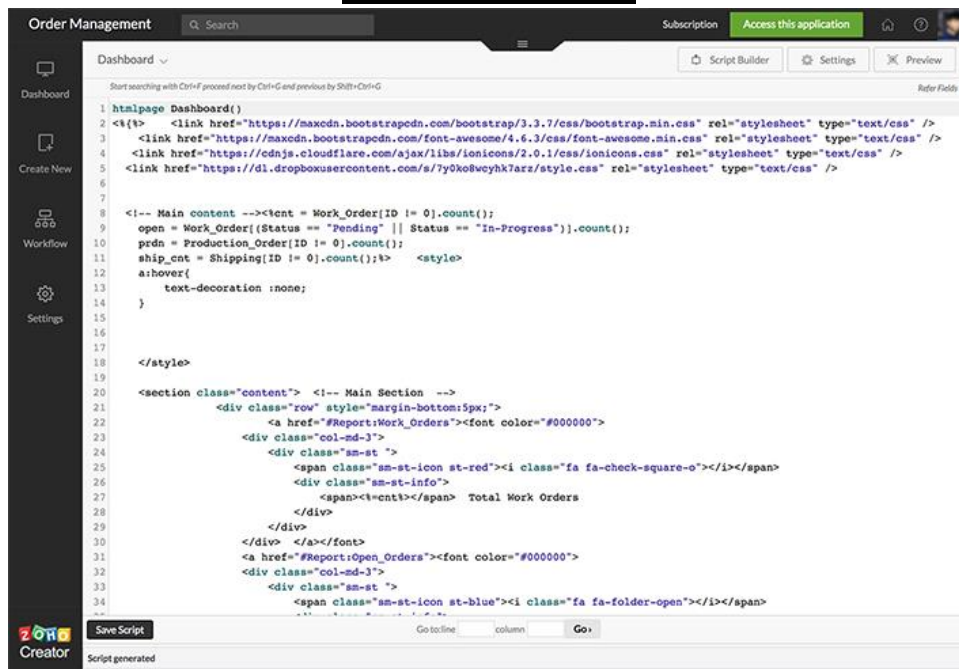
Criteria

Criteria not specified. This report will display all records. [Add Criteria](#)

2.1.3 CREATE PAGES

Pages are the customized HTML views that can be designed using a combination of HTML and application data. You can make great dashboards and Custom views, presenting dynamic Reports based on the user selected criteria.

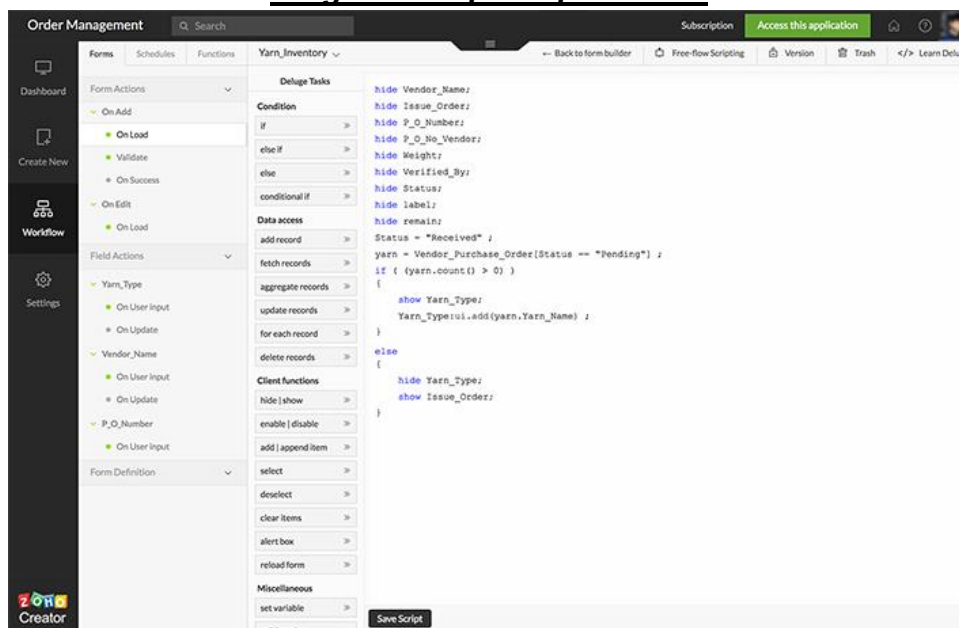
HTML Page Builder



2.2 ADD WORKFLOW

You can add business workflows, automated tasks and custom actions to your Forms and Reports to make your application more powerful and robust. The script builder provides a drag-and-drop user interface for defining the workflows and tasks quickly, without any errors.

Drag and drop Script Builder



2.3 SHARE YOUR APPLICATION

The **Share** page displays the layout of the application on the left side with the Forms and Reports arranged under each section. The application owner can share the entire application or only specific Forms and Reports, with particular users or user groups.

In the **Application Settings** tab, the owner of the application can configure the overall application(application name, date format, time zone, etc.), customize the layout and theme, and rearrange the components and sections in the application.

Application Settings - Share Tab

The screenshot shows the 'Application Settings - Share Tab' in Zoho Creator. The interface is divided into a left sidebar and a main content area. The sidebar includes links for Dashboard, Create New, Workflow, Settings (highlighted), Translation, Live Chat, Sections, and Search. The main content area has a top bar with 'Order Management', a search bar, and a 'Subscription' status. Below this is the 'Application Settings' tab, with 'Share' selected. The 'Share' section has a warning message: 'This application is private. You have not shared this application with anyone.' The main content area is divided into two columns: '1. Select Components' and '2. Share with users'. In the '1. Select Components' column, there is a list of components with checkboxes. The 'Orders' section is expanded, showing 'Purchase Orders', 'Work Orders', and 'Production Orders' all checked. In the '2. Share with users' column, there is a 'Share with individual users / groups' section. Under 'Users', the email 'john@pyllor.com' is entered. Under 'Groups', there is a 'Select groups from the list' dropdown. At the bottom, there are 'Send Invitation' and 'Edit Email Content' links, and 'Share Now' and 'Reset' buttons.

Order Management Search Subscription Access this application Manage Users Manage Groups

Application Settings Invite

General

Share

Users & Permissions

Customer Portal

Translation

Live Chat

Sections

Search

Zoho Creator

This application is private. You have not shared this application with anyone.

1. Select Components

- ☐ Dashboard
- ☐ Dashboard
- ☐ Dashboard
- ☒ Orders
 - ☒ Purchase Orders
 - ☒ Work Orders
 - ☒ Production Orders
- ☐ Inventory
 - ☐ Yarn Stock
 - ☐ Finished Goods
- ☐ Quality
 - ☐ Quality
 - ☐ Quality Report
- ☐ Shipping

2. Share with users

Share with individual users / groups

Users: john@pyllor.com Select Users

Groups: Select groups from the list. Select Groups

☒ Send Invitation | [Edit Email Content](#)

Share Now Reset

2.4 ACCESS THE APPLICATION

By default, an application created in Zoho Creator is private. The Share feature lets you share your application with your users. Shared users can access the Forms, Reports, and Pages in your application based on the access permissions provided by you. Given below are the screenshots of Form, Report, and Page while accessing the application.

Access mode of the Purchase Order Form

The screenshot displays the 'Add Purchase Order (Vendor)' form within the 'Order Management' application. The interface includes a top navigation bar with the application name and a user profile 'Bryan'. Below this is a dark blue menu bar with icons and labels for 'DASHBOARD', 'ORDERS', 'INVENTORY', 'QUALITY', 'SHIPPING', 'QUICK LINKS', 'CHARTS', and 'DEMO'. The main content area contains the form with the following fields: 'Purchase Order No.' (text input), 'Yarn' (dropdown menu), 'Vendor' (dropdown menu), 'Quantity (in grams)' (text input), and 'Deadline' (date picker). At the bottom of the form are 'Submit' and 'Reset' buttons.

Add Purchase Order (Vendor)	
Purchase Order No. *	
Yarn *	-Select-
Vendor *	-Select-
Quantity (in grams) *	
Deadline	
Submit Reset	

2.5 REPORT

Data displayed in a list Report format while accessing the application

Order Management Bryan

DASHBOARD ORDERS INVENTORY QUALITY SHIPPING QUICK LINKS CHARTS DEMO

Purchase Orders

☐ Purchase Order No. ▾	Expected By ▾	Yarn ▾	Quantity (in grams) ▾	Status ▾	Received ▾
☐ ABC Corp					
☐ PO - 223	14-Dec-2016	Yarn - 232	9364	Pending	Received
☐ PO - 331	21-Dec-2016	Yarn - 333	9747	Received	Received
☐ PO - 212	10-Nov-2016	Yarn - 333	7648	Received	Received
☐ PO - 333	06-Nov-2016	Yarn - 132	8328	Received	Received
☐ PO - 332	02-Dec-2016	Yarn - 123	5788	Received	Received
☐ PO - 133	07-Feb-2017	Yarn - 331	5982	Received	Received
☐ PO - 323	20-Feb-2017	Yarn - 123	9903	Received	Received
☐ PO - 122	06-Nov-2016	Yarn - 313	7502	Received	Received
☐ PO - 211	16-Nov-2016	Yarn - 333	7379	Received	Received
☐ PO - 321	01-Feb-2017	Yarn - 223	5844	Received	Received
☐ PO - 113	11-Feb-2017	Yarn - 321	5936	Pending	Received
☐ PO - 010	28-Sep-2016	Yarn - 313	10000	Received	Received
☐ PO - 001	27-Sep-2016	Yarn 2	10000	Received	Received

Total: 13

Page

Visualize the application data on one screen at a glance

Order Management Bryan

DASHBOARD ORDERS INVENTORY QUALITY SHIPPING QUICK LINKS CHARTS DEMO

3 Total Work Orders

1 Open Work Orders

3 Total Production Orders

1 Total Shipped

Yarn Stock

☐ Issued/Received ▾	Quantity (Grams) ▾	Quantity (Kg) ▾	Added Time ▾
☐ (2) (2)			
☐ Received	9903	9.903	20-Sep-2016 19:26:10 jk
☐ Received	5788	5.788	20-Sep-2016 19:23:22 jk
		15.69	
☐ (2) (2)			
☐ Issued	-2000	-2.0	21-Sep-2016 12:03:25 jk
☐ Received	8328	8.328	20-Sep-2016 19:25:52 jk
		71.181	

Total: 15

LATEST UPDATES

Great Going! No Work Order Pending Today.

Work Order Complete! WO/003 successfully completed on 28-Sep-2016.

Purchase Order! PO - 122 has been placed to ABC Corp.

Production Order! PO/003 has been added at 21-Sep-2016 12:11:06.

Shipped! 50 units of WO/001 shipped on 20-Sep-2016 19:56:42.

Chapter 3

HOSTEL ROOM BOOKING

The hostel management system software comprises of many sections. Each has its own functions which to help to manage things like mess bills, student details, employee details and many others.

Student Name ----- Single Line

Roll Number ----- Single line

Gender----- Dropdown

Personal Information ----- Lookup form

Do u have Disabilities----- Dropdown

Reserved Room Needed ----- Dropdown

Which floor you want----- Dropdown

Which room you want----- Dropdown

Student Email ----- Email

Room price ----- Number

3.1 BOOK A ROOM

This section allows user to choose his/her preference and type of room students prefer to live in. It also asks for the period of time a student is willing to stay in the hostel.

Book a Room

Type of Room *

-Select-

Number of Beds *

Check-In *

dd-MMM-yyyy HH:mm:ss

Check-Out

dd-MMM-yyyy HH:mm:ss

Occupant Personal Information

He can add, remove and update information in this system. In this panel is used to register a student, view fees, view rooms, view mess bills, allot students to blocks and rooms, view courses of students and assign them to special or specific rooms. He can also add new students to the system.

Personal Information

Name *

First Name

Last Name

Mobile Number *

 +91

81234 56789

Email *



Address *

City / District

State Province

-Select-

Postal Code

Country

Emergency Contact Information

Emergency Contact Information

Name *		
	First Name	Last Name
Relationship *	-Select- ▼	
Contact Number *	 +91 ▼ 81234 56789	
Email ID *		✉
Address		
	Address Line 1	
	Address Line 2	
	City / District	State Province
		-Select- ▼
	Postal Code	Country

Confirm Booking

This section deals with allot of rooms to a student. A student details would be already on the system so it would be at student details section on this page.

3.1.1 HOSTEL BOOKING (WORKFLOW)

A workflow application is a software application which automates, to at least some degree, a process or processes. The processes are usually business-related but can be any process that requires a series of steps to be automated via software. A workflow process may involve frequent maintenance.

Book a Room > Created > Validations on form submission > Run Scripts - while Adding a record

Actions will be executed to validate field values on form submission. [Learn more](#)

Execute without condition

fx Deluge script

```
0 //Here we are validating check in and check out timings .
1 if(input.Check_Out < zoho.currenttime || input.Check_In < zoho.currenttime)
2 {
3     alert "Please enter a valid Future Time value!";
4     cancel submit;
5 }
6 if(input.Check_Out < input.Check_In)
7 {
8     alert "Please enter a valid check out time!";
9     cancel submit;
10 }
```

+

Add New Action

Book a Room > Created or Edited > User input of Check-In > Run Scripts - On Always

Actions will be executed on input of a value. [Learn more](#)

Execute without condition

fx Deluge script

```
0 if(input.Check_In < zoho.currenttime)
1 {
2     alert "Please enter a valid Future Time value!";
3 }
4
```

+

Add New Action

3.2 CONTACT US

As a rule, the best contact pages perform certain functions: They explain why **a visitor should contact you and describe how you can help to solve your visitors' problems**. They include an email and phone number so that the visitors could quickly find the required information.

Name ----- **Single Line**

Email ID ----- **Email**

Room Number----- **Drop down**

Roll Number ----- **Single Line**

Phone Number ----- **Phone**

Subject - **Single Line**

Student Signature ---- **Signature**

Message----- **Drop Down**

The screenshot shows a web form titled "Contact Us". Below the title is a message: "Contact us about anything related to our Hostel or services. We'll do our best to get back to you as soon as possible." The form contains the following fields:

- Name ***: Two input boxes labeled "First Name" and "Last Name".
- Email ***: One input box with an email icon on the right.
- Room number**: One input box with "https://" as a placeholder.
- Subject**: One input box.
- Message ***: A rich text editor with a toolbar containing options for Bold (B), Italic (I), Underline (U), Text Color, Background Color, Bulleted List, Numbered List, Indent Left, Indent Right, Decrease Indent, Increase Indent, Link, Unlink, Source Code, and Undo. The font is set to "DejaVuSans" and the size to "10". Below the toolbar is a large text area for the message.

3.2.1 CONTACT REQUEST

Contact Requests

Q

+

Name	Message	Subject	Email	Room number
Sagar Singh	The Switchboard in the room is not working and fan is moving very slow.	Need of Electrician	sagarsingh27035@gmail.com	103

Contact Request Details

<>

Edit

Duplicate

More

X

Overview

Name	Sagar Singh
Email	sagarsingh27035@gmail.com
Subject	Need of Electrician
Message	The Switchboard in the room is not working and fan is moving very slow.
Room number	103

Add a comment

3.2.2 CONTACT US WORKFLOW

Student Verification > Created > Field rules > Status

Actions will be executed on form load and on user input of any of the fields participating in the condition. [Learn more](#)

Execute without condition

 Hide fields [Status, Password]

Student Verification > Created or Edited > Validations on form submission > Password create

Actions will be executed to validate field values on form submission. [Learn more](#)

Execute without condition

fx Deluge script

```
0 input.Password = randomNumber(10000,90000);
1
```

Student Verification > Created or Edited > Successful form submission > Verification Notification

Actions will be executed on successful form submission. [Learn more](#)

Execute without condition

 Send mail to \${Student_Email}

3.3 OCCUPANTS LIST

Occupants

	Name	Mobile Number	Email	Type of Room	Number of Beds	Check-In
	sadhu kumar	+919234787654	gfdasdfg@gmail.com	Twin Room-\$300/month	2	28-Sep-2021 15:55:30
	Sagar Singh	+918762535526	sagarsingh@gmail.com	Single Private-\$500/month	1	30-Sep-2021 11:45:53

Occupant Details

Occupants

	Name	Mobile Number
	sadhu kumar	+919234787654
	Sagar Singh	+918762535526

<>

Edit

Duplicate

More

Overview

Type of Room	Single Private-\$500/month
Number of Beds	1
Check-In	30-Sep-2021 11:45:53
Check-Out	31-Dec-2021 09:46:13

Personal Information

Name	Sagar Singh
Mobile Number	+918762535526
Email	sagarsingh@gmail.com
Address	Gandhi Maidan(E), Annapurna Apartment(103), Hazaribagh, 12, 825301, India

Emergency Contact Information

Showing 2 of 2

3.4 SEND EMAIL CONFIRMATION

A **confirmation email** is a transactional **email sent to** customers after a certain condition is triggered, such as: placing an order, booking tickets, subscribing. When a new candidate applies **to** a job listing, a **confirmation email** will typically be **sent**, notifying the candidate that their application has.

Send email

From*

zoho.adminuserid

To*

\$(Email) x

Add Cc

Add Bcc

Add Reply-to

Subject

Hostel Booking Confirmation

Message

B

I

U

☒

A

A

DejaVuSans

10

☰

☷

☷

☷

☷

☷

☷

☷

☷

🔗

🔄

📧

📧

📧

📧

📧

📧

📧

Insert fields

Hello \${Name},

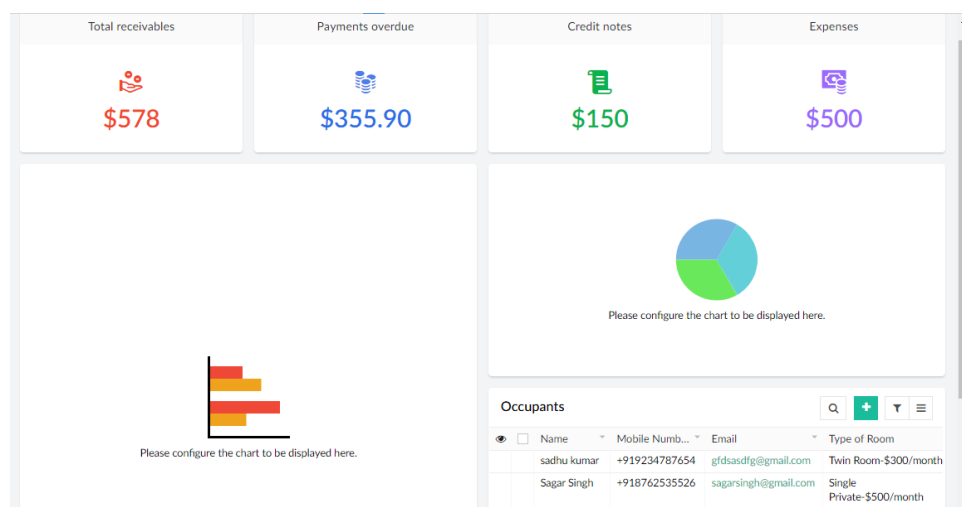
Thanks for choosing our hostel. Your booking has been confirmed.

Update

Cancel

3.5 PAYMENTS DASHBOARD

A dashboard, in website administration, is typically **the index page of the control panel for a website's content management system**. ... A dashboard typically indicates items which require urgent actions at the top of the page, moving into less important statistics at the bottom.



CHAPTER 4

SYSTEM DESIGN

This system design is to be divided into two sections or portion. Administrator section and student section.

ADMINISTRATOR

- The Administrator can allot different students to the different hostels.
- He can vacate the students for the hostels.
- He can control the status of the fee payment.
- He can edit the details of the students. He can change their rooms, edit and delete the student records.
- He can edit the news board
- He can check the complaints

4.1 DATA FLOW DIAGRAMS

Figure 1.1 DFD for Allotment Process



Figure 1.2 DFD for Student module

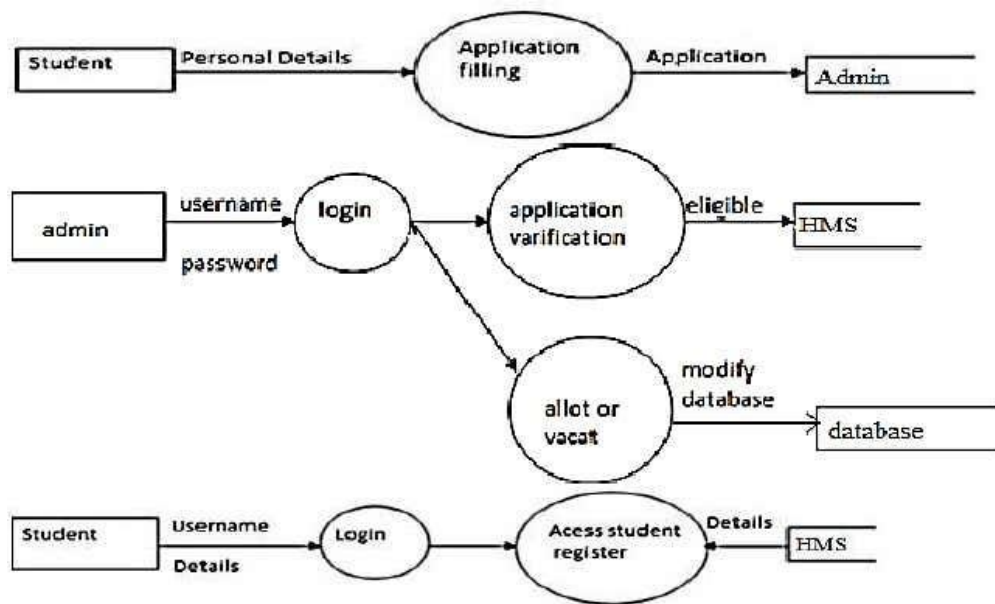


Figure 1.3 DFD for Student Registration

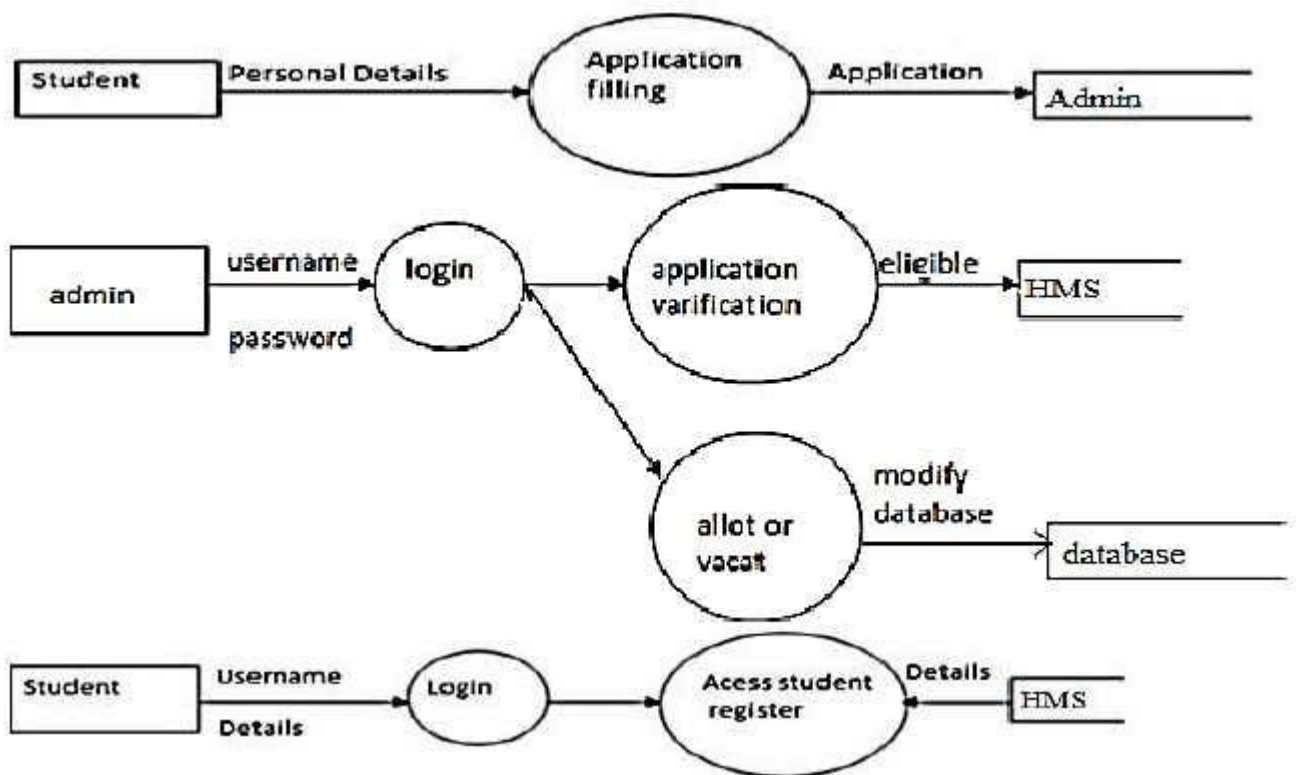
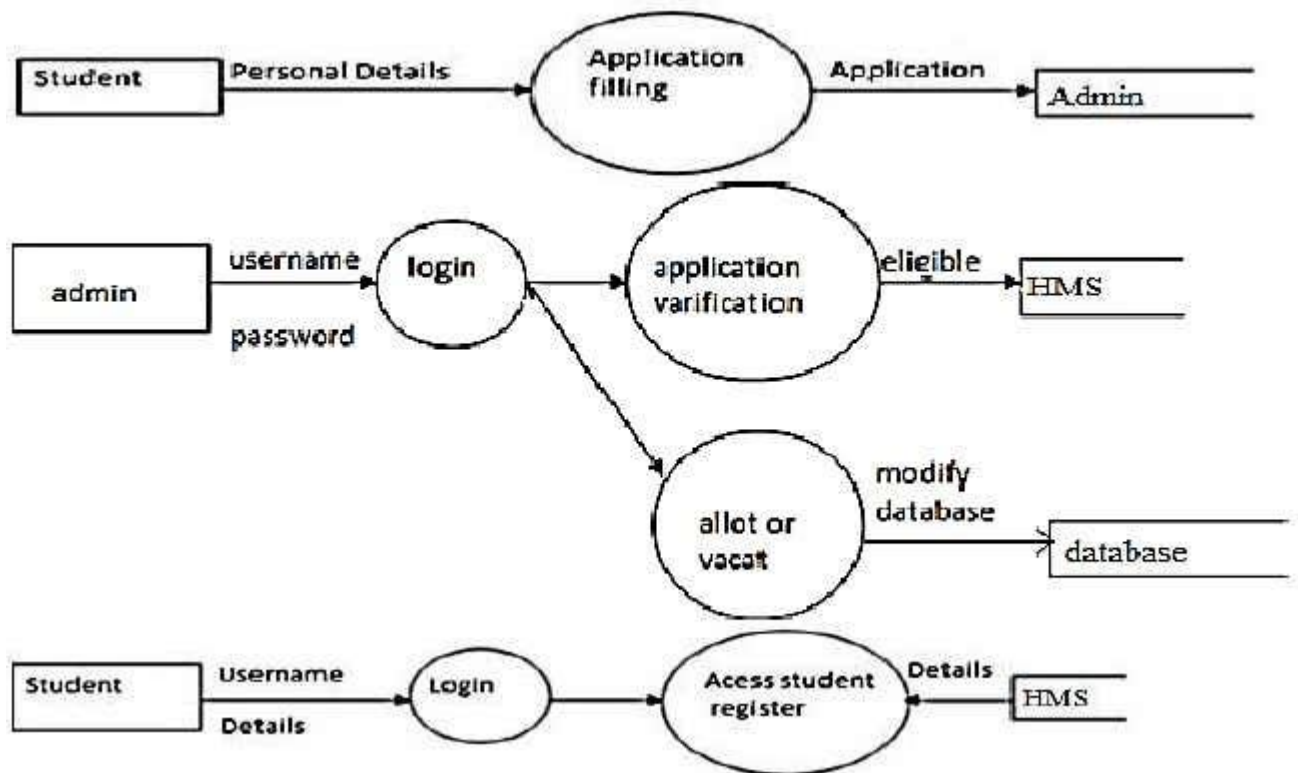


Figure 1.4 DFD for Admin Module



4.2 HARDWARE CONFIGURATION

The section of hardware configuration is an important task related to the software development. Insufficient random-access memory may affect adversely on the speed and efficiency of the entire system. The process should be powerful to handle the entire operations. The hard disk should have sufficient capacity to store the file and application.

Processor: Pentium IV and above

Processor speed: 1.4 GHz Onwards

System memory: 128 MB minimum (256 MB recommended)

Cache size: 512 KBRAM: 512 MB (Minimum)

Network card: Any card can provide a 100mbps speed

Network connection: UTP or Coaxial cable connection

Printer: Inkjet/Laser Color printer provides at least 1000 Dpi

Hard disk: 80 GB

Monitor: SVGA Color 15"

Mouse: 104 keys US Key Serial, USB or PS/2

CHAPTER 5

LITERATURE REVIEW

In this section we are going to analyze the existing system and provide solutions to errors or build a new system all together.

5.1 EXISTING SYSTEM

The existing system is manual based and need lot of efforts and consume enough time. In the existing system we can apply for the hostels online but the allotment processes are done manually. It may lead to corruptions in the allocation process as well as hostel fee calculation. The existing system does not deal with mess calculation and complaint registration.

5.1.1 DISADVANTAGES:

- More human power
- More strength and strain of manual labor needed
- Repetition of same procedure.
- Low security.
- Data redundancy.
- Difficulty to handle.
- Difficulty to update data.
- Record keeping is difficult.
- Backup data can be easily generated.

5.2 PROPOSED SYSTEM

This project is aimed at developing a system for keeping records and showing information about or in a hostel. This system will help the hostel officer to be able to manage the affairs of the hostel. This system will provide full information about a student in the hostel. It will show rooms available or not and number of people in a particular room. This will also provide information on students who have paid in full or are still owing. This system will also provide a report on the summary detail regarding fees and bills students are owing. Also included is a user module for employees or the hostel officer. There will also be an administrator module which will be accessed by the administrator and has the ability to delete, add and edit employee records.

Zoho Creator is a low-code application development platform that empowers you to build enterprise-class applications that run on mobile, tablet, and web. Create custom forms, configure workflows, build informative pages, and get your app up and running in minutes. Whether it's logistics or order management, the possibilities are endless. Businesses of all size trust Zoho Creator to manage their data and have built more than 2 million+ apps on it. Access data anytime, anywhere.

Chapter 6

CONCLUSION AND FUTURE ENHANCEMENT

Hostel management system (HMS).

This hostel management software is designed for people who want to manage various activities in the hostel. This project is designed to fulfill the need of the future generations.

This project is small package which includes different categories as well as having all possible features. We have expected that it will be helpful to the, customers as well as administrative member.

We will improve this project in future with online room reservation system and also improve in security by providing a magnetic coated card to permanent students for automatic check in and check out.

We are waiting for your best suggestion and encouragement which could make us improve the future programming much better than the one we have carried out.

6.1 SUMMARY

This project is aimed at developing a system for keeping records and showing information about or in a hostel. This system will help the hostel officer to be able to manage the affairs of the hostel. This system will provide full information about a student in the hostel. It will show rooms available or not and number of people in a particular room. This will also provide information on students who have paid in full or are still owing. This system will also provide a report on the summary detail regarding fees and bills students are owing. Also included is a user module for employees or the hostel officer

6.2 CONCLUSION

This project made by the handwork of me and is a small effort in the development of larger programs, and it involves limited aspects which are needed in day-to-day hostel operation.

The introduction of an electronic system of registration focuses on saving cost, improving the efficiency of the processes involved in both registration and management of hostels and makes the overall procedure stress free. The hostel management system is aimed at streamlining the registration and management process of hostels for both students and the administrators in charge of the procedures involved. It is to eliminate unnecessary administrative tasks and reduce or even avoid paper work. This system will help improve productivity and reliability of the hostel registration and management process in a more efficient manner.

The software development although is a very difficult task but it can be carried out successfully with the effort of my work. After the completion of this project, we learnt different things about software and its development. I also learnt to work in a group and realize its importance.

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