

DLithe Consultancy Services Pvt.Ltd



Java Full Stack

An Internship Report

On

“Student Hostel Management System”

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ABSTRACT

The purpose of student hostel management system is to automate the existing manual system by the help of computerised equipments and full pledged computer software, fulfilling their requirements, so that their valuable data/ information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Student Hostel Management System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information.

The aim is to automate its existing manual system by the help of computerized equipments and full pledged computer software, fulfilling their requirements, so that their valuable data/ information can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to manage for good performance and better services for the clients.

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1.INTRODUCTION

1.1 Problem statement:

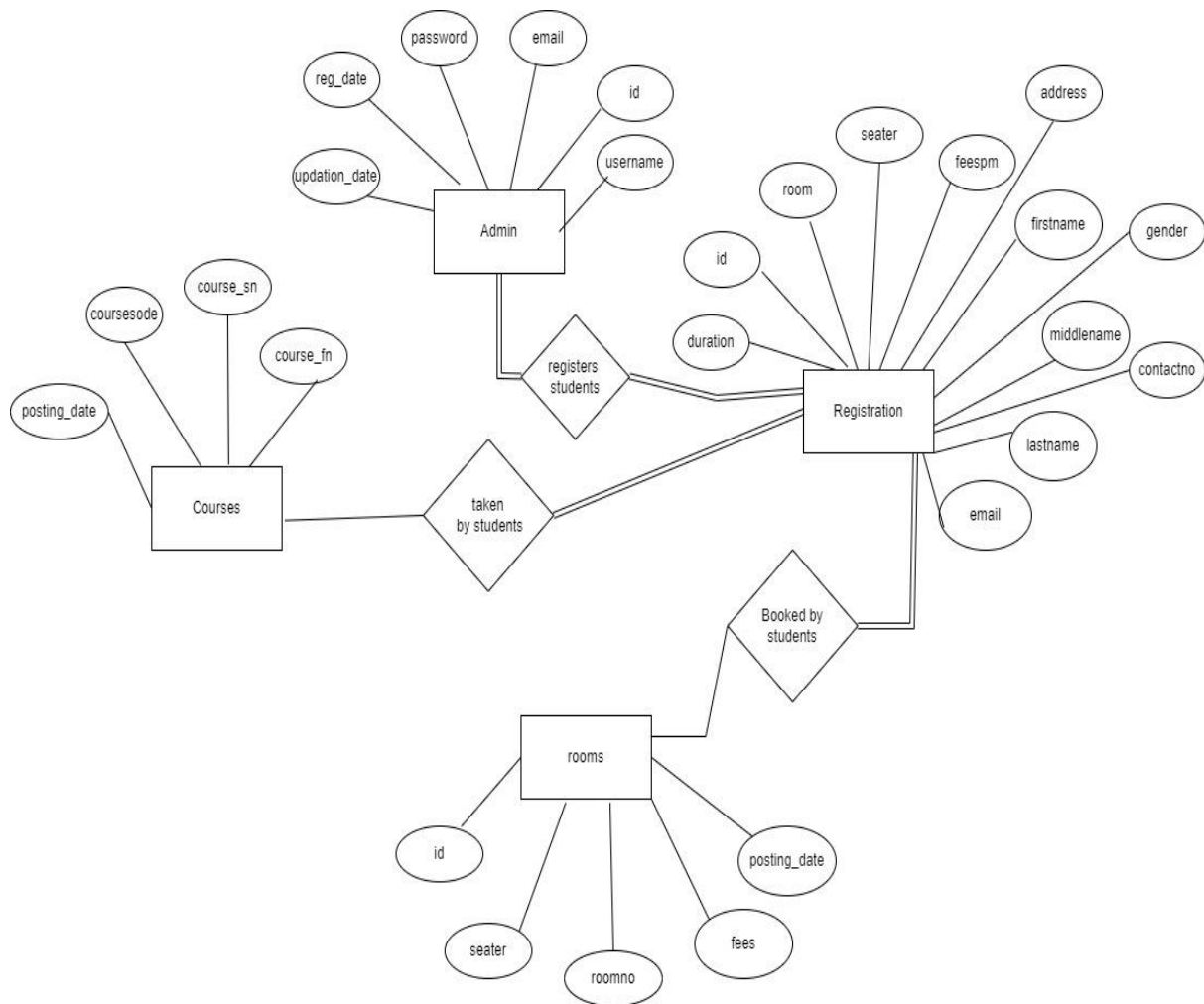
The Hostel Management System is developed for automating the activities of hostel. This software will help user in case of reporting, registration and searching the information about residents and rooms. The aim of the Hostel Management System is to carry out the activities of Hostel in an efficient way. It will take the operations of Hostel to an upper level by providing faster access to data and allowing addition, upgradation, modification, and deletion of data in a very systematic and reliable manner.

1.2 Objectives

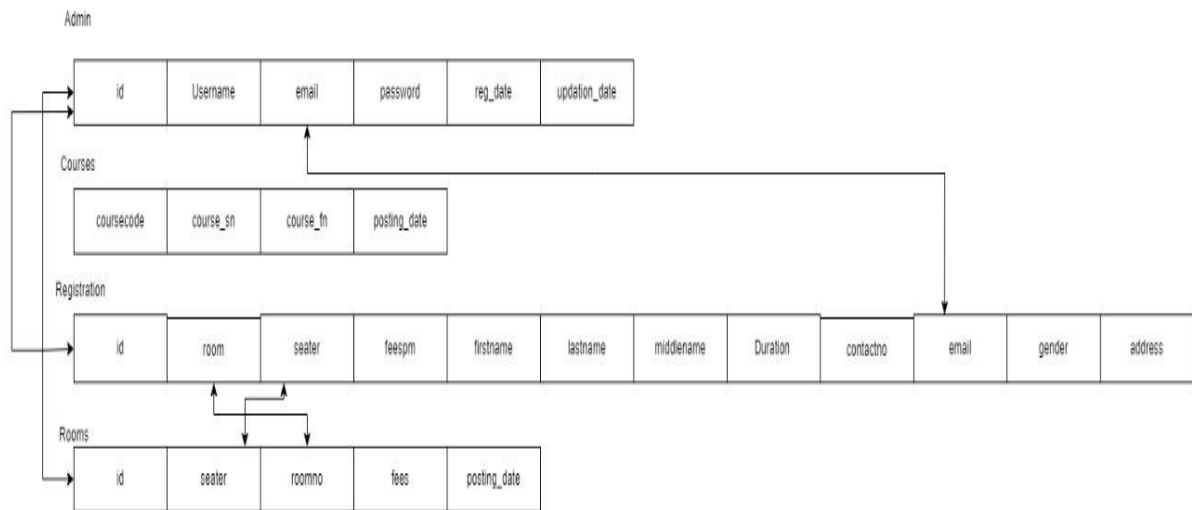
“Student Hostel Management System” is software developed for managing various activities in the hostel. For the past few years the number of educational institutions is increasing rapidly. Thereby the number of hostels is also increasing for the accommodation of the students studying in the institutions. And hence there is a lot of strain on the person who are running the hostel and this particular project deals with the problems on managing a hostel and avoids the problems which occur when carried manually.

2.SYSTEM DESIGN

2.1 ER Diagram



2.2 Schema Diagram



3. REQUIREMENTS

System Requirements:

Software Requirement:

The software requirements for the development of this project is: –

Operating System: Windows 10 (and higher version)

Front End: HTML,CSS

Programming Language: Java

Data Base Environment: MySQL and PhpMyAdmin

Server: APACHE 3.2

Hardware Requirements:

The hardware required for the development of this project is:

Processor: Intel Core i5

Processor speed:1.7 GHz

Ram :1GB RAM

System Type:64-Bit Operating System

4. TABLES

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> admin	Browse Structure Search Insert Empty Drop	1	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> adminlog	Browse Structure Search Insert Empty Drop	0	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> courses	Browse Structure Search Insert Empty Drop	7	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> registration	Browse Structure Search Insert Empty Drop	4	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> rooms	Browse Structure Search Insert Empty Drop	5	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> states	Browse Structure Search Insert Empty Drop	36	MyISAM	latin1_swedish_ci	2.8 KiB	-
<input type="checkbox"/> userlog	Browse Structure Search Insert Empty Drop	5	InnoDB	latin1_swedish_ci	16.0 KiB	-
<input type="checkbox"/> userregistration	Browse Structure Search Insert Empty Drop	3	InnoDB	latin1_swedish_ci	16.0 KiB	-
8 tables	Sum	61	InnoDB	utf8mb4_general_ci	114.8 KiB	0 B

☐ Check all

With selected:

5. DATABASE DESCRIPTION

5.1 Admin :

☐ Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

Extra options

				id	username	email	password	reg_date	updatation_date
<input type="checkbox"/>	Edit	Copy	Delete	1	sonika	sonika123@gmail.com	sonika@123	2024-03-01 02:01:45	2024-03-01
<input type="checkbox"/>	Edit	Copy	Delete	2	radha	radhahosamani123@gmail.com	radha12345	2024-03-01 20:20:08	2024-03-01

☐ Check all

With selected: Edit Copy Delete Export

5.2 Courses :

SELECT * FROM `courses`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all

Number of rows: 25

Filter rows: Search this table

Sort by key: None

Extra options

				id	course_code	course_sn	course_fn	posting_date
<input type="checkbox"/>	Edit	Copy	Delete	1	B10992	B.Tech	Bachelor of Technology	2024-03-01 16:01:42
<input type="checkbox"/>	Edit	Copy	Delete	2	BCOM1453	B.Com	Bachelor Of commerce	2024-03-01 16:02:46
<input type="checkbox"/>	Edit	Copy	Delete	3	BSC12	BSC	Bachelor of Science	2024-03-01 16:03:23
<input type="checkbox"/>	Edit	Copy	Delete	4	BC36356	BCA	Bachelor Of Computer Application	2024-03-01 16:04:18
<input type="checkbox"/>	Edit	Copy	Delete	5	MCA565	MCA	Master of Computer Application	2024-03-01 16:04:40
<input type="checkbox"/>	Edit	Copy	Delete	6	MBA75	MBA	Master of Business Administration	2024-03-01 16:04:59
<input type="checkbox"/>	Edit	Copy	Delete	7	BE765	BE	Bachelor of Engineering	2023-03-01 16:05:19

☐ Check all

With selected: Edit Copy Delete Export

5.3 Registration :

☐ Show all

Number of rows: 25

Filter rows:

Sort by key:

None

Extra options

					id	roomno	seater	feespm	foodstatus	stayfrom	duration	course	regno	firstName	middleName	lastName	gender	contactno
<input type="checkbox"/>				6	100	5	8000	0	2024-03-01	5	Bachelor of Technology	10806121	RADHA	K	H	FEMALE	8285703354	
<input type="checkbox"/>				7	100	5	8000	1	2024-03-01	4	Bachelor of Engineering	108061211	SONALI	C	B	FEMALE	8467067344	
<input type="checkbox"/>				8	112	3	4000	0	2024-03-01	5	Bachelor of Science	102355	SONIKA	V	U	FEMALE	6786786786	
<input type="checkbox"/>				10	132	5	2000	1	2024-03-01	5	Bachelor of Technology	2	SUPRIYA	B	B	FEMALE	7204440060	

☐ Check all

With selected:

Export

5.4 User Registration :

☐ Show all
 Number of rows: 25
 Filter rows:
 Sort by key: None

Extra options

				id	regNo	firstName	middleName	lastName	gender	contactNo	email	password	regDate	updateDate	passUdat
<input type="checkbox"/>				10	1	SUPRIYA	B	B	female	8467067344	supriyb@gmail.com	supriya@5432	2024-03-01 09:51:33	01-03-2024 11:04:15	01-03-2024 05:16:49
<input type="checkbox"/>				21	2	RADHA	K	H	female	7204440060	radhahosamani123@gmail.com	radha@123	2024-03-01 23:01:55	01-03-2024 11:04:15	01-03-2024 05:16:49
<input type="checkbox"/>				22	3	SONIKA	V	U	female	1234567891	sonika@gmail.com	sonika123	2024-03-01 23:03:46	01-03-2024 11:04:15	01-03-2024 05:16:49
<input type="checkbox"/>				23	4	SONALI	C	B	female	7204440060	sonali123@gmail.com	7204440060	2024-03-01 08:22:54	01-03-2024 11:04:15	01-03-2024 05:16:49

☒ Check all
 With selected:
 Edit
 Copy
 Delete
 Export

5.5 Rooms :

☐ Show all

Number of rows: 25

Filter rows:

Sort by key: None

Extra options

				id	seater	room_no	fees	posting_date
<input type="checkbox"/>		Edit	Delete	1	5	100	8000	2024-03-01 04:15:43
<input type="checkbox"/>		Edit	Delete	2	2	201	6000	2024-03-01 07:00:47
<input type="checkbox"/>		Copy	Delete	3	2	200	6000	2024-03-01 07:00:58
<input checked="" type="checkbox"/>		Copy	Delete	4	3	112	4000	2024-03-01 07:01:07
<input type="checkbox"/>		Copy	Delete	5	5	132	2000	2024-03-01 07:01:15
<input type="checkbox"/>		Copy	Delete	6	3	218	5000	2024-03-02 07:32:41

☐ Check all

With selected:

Edit

Copy

Delete

Export

5.6 States :

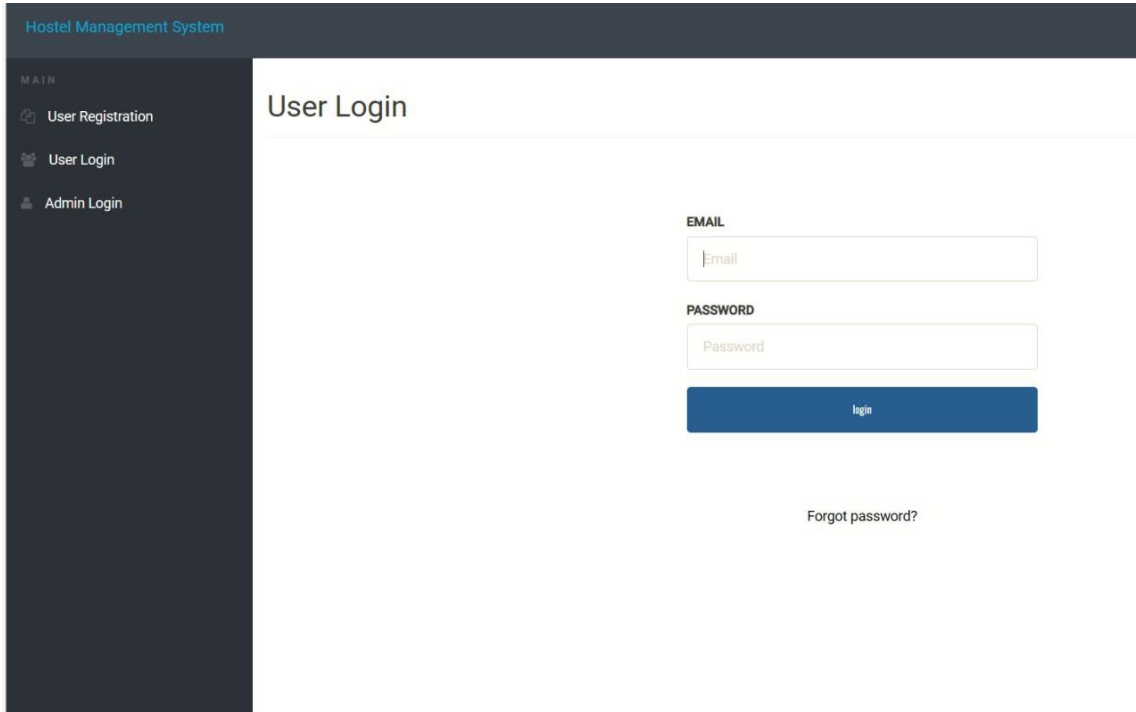
1 > >> | ☐ Show all | Number of rows: 25 ▾ Filter rows: S

Extra options

				id	State
<input type="checkbox"/>		Edit	Copy	Delete	1 Andaman and Nicobar Island (UT)
<input type="checkbox"/>		Edit	Copy	Delete	2 Andhra Pradesh
<input type="checkbox"/>		Edit	Copy	Delete	3 Arunachal Pradesh
<input type="checkbox"/>		Edit	Copy	Delete	4 Assam
<input type="checkbox"/>		Edit	Copy	Delete	5 Bihar
<input type="checkbox"/>		Edit	Copy	Delete	6 Chandigarh (UT)
<input type="checkbox"/>		Edit	Copy	Delete	7 Chhattisgarh
<input type="checkbox"/>		Edit	Copy	Delete	8 Dadra and Nagar Haveli (UT)
<input type="checkbox"/>		Edit	Copy	Delete	9 Daman and Diu (UT)
<input type="checkbox"/>		Edit	Copy	Delete	10 Delhi (NCT)
<input type="checkbox"/>		Edit	Copy	Delete	11 Goa
<input type="checkbox"/>		Edit	Copy	Delete	12 Gujarat
<input type="checkbox"/>		Edit	Copy	Delete	13 Haryana
<input type="checkbox"/>		Edit	Copy	Delete	14 Himachal Pradesh
<input type="checkbox"/>		Edit	Copy	Delete	15 Jammu and Kashmir
<input type="checkbox"/>		Edit	Copy	Delete	16 Jharkhand
<input type="checkbox"/>		Edit	Copy	Delete	17 Karnataka

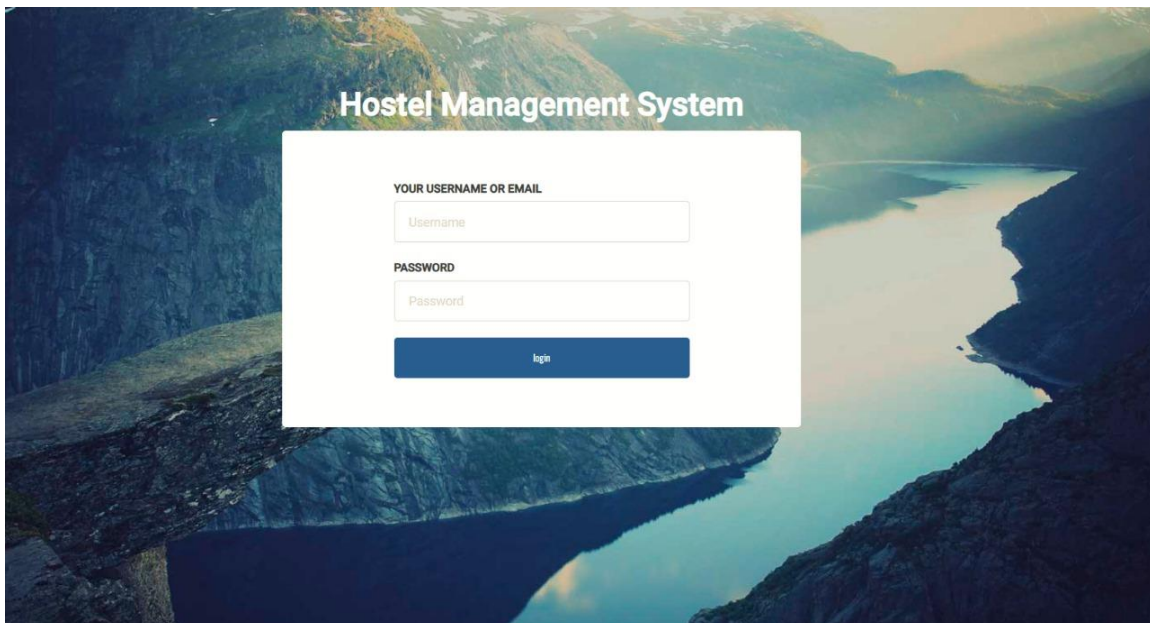
7.SNAPSHOTS

7.1 User Login :



The screenshot shows the 'User Login' page of the 'Hostel Management System'. On the left is a dark sidebar with the title 'MAIN' and three menu items: 'User Registration', 'User Login', and 'Admin Login'. The main content area has a header 'User Login' and a login form. The form includes an 'EMAIL' field with a placeholder 'Email', a 'PASSWORD' field with a placeholder 'Password', and a blue 'login' button. Below the button is a link for 'Forgot password?'.

7.2 Admin Login :



The screenshot shows the 'Admin Login' page of the 'Hostel Management System'. The page features a background image of a lake and mountains. A white login form is centered on the page. The form has a title 'Hostel Management System' at the top, followed by a 'YOUR USERNAME OR EMAIL' field with a placeholder 'Username', a 'PASSWORD' field with a placeholder 'Password', and a blue 'login' button.

8. CONCLUSION

The development of the hostel management system is a user friendly system to indent to automate the hostel from manual system. It's a computer based system that will manage all the operations of the hostel. The project development using PHP and JavaScript is based on the requirement specification of the user and the analysis of the existing system, with flexibility for future enhancement. The expanded functionality of today's software requires an appropriate approach towards software development. This hostel management software is designed for people who want to manage various activities in the hostel for the past few years the numbers of educational institutions are increasing rapidly. Thereby the numbers of hostels are also increasing for the accommodation of the students studying in this institution. And hence there is a lot of strain on the person who are running the hostel