### Software Project On

# **Hostel Management**

In Partial Fulfillment of Integrated Master of Computer Applications (iMCA)

### Ahmedabad University (2018-2019)

Developed By

Group No.: 08

Shaily Modi (29)

Krina Shah (54)

Nidhi Shah (55)

(Third Year Integrated Master of Computer Applications)

### **School of Computer Studies (iMCA Programme)**

Ahmedabad University

AG Campus, Navrangpura, Ahmedabad 380009

Gujarat, India

#### **Acknowledgment**

We acknowledge the support, the encouragement, extended for this study by our Prof. Sanjay Chaudhary (Dean-School of Computer Studies) and Course coordinator Dr. Kuntal Patel.

We greatly appreciate the motivation and understanding extended for the project work, by Prof. Shefali Naik, who responded promptly and enthusiastically to our requests, despite her congested schedules. We are indebted to all of them, who did their best to bring improvements through their suggestions.

We would like to express our sincere gratitude to LR Jain Boarding, and their secretary Mr. R.R.Shah for allowing us to make their website and sharing their system with us.

We thank our dearest Parents and friends, who encourage us to extend our reach. With their help and support, we have been able to complete this project.

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#### 1) Project Scope and Definition

#### 1.1) **Project Definition:**

- Hostel management system is web-based system for managing activities in LR Jain Boarding.
- HMS is supposed to have the following functionalities
  - o Handle activities of Admin, Warden and Student
  - Ability to manage scholarship applications, admission, room allocation and scholarship letter

#### 1.2) **Project Scope:**

#### Admin:

- > Add notice :
  - o Admin can add notices for students like Meetings, Lost and found.
- > Send mail:
  - Admin can send mail in bulk like new notice added to page and to the particular student like fees not paid yet, receive your scholarship letter from the admin office.
- Scholarship letter :
  - o It is like a recommendation letter for students who got scholarship from Boarding.

#### Warden:

- Add student -
  - Warden can add student to the system. And allocate room with the condition of maximum 3 students in 1 room.
- View student -
  - Warden can view student details all at once and search room number and get names of the students.
- View complaints/requests :
  - Warden can view all the complaints and requests sent by students at once and can approve or reject them.
- > Approves scholarship:
  - Warden can approve or reject scholarship of the students who have applied for it.

#### Student:

- Profile:
  - o In profile tab, student can update details, can receive mail if he forgot the password and can change the password.
- View notice:
  - o Students can view notice added by the admin.
- > Scholarship application :
  - o Student can apply for scholarship and will receive mail if he got it.
- View room details :
  - o Can view room number and one which floor his room is located.
- > Send complaints/requests:
  - o Send complaint and requests to the warden. And can check if it is approved or not.
- ➤ Gallery:
  - o Gallery includes photos of boarding campus and students too.

# 2.) System Requirement:

# 2.1) Project Profile:

Project Title:	Hostel Management
Developed By:	Shaily Modi,
	Krina Shah,
	Nidhi Shah
Duration:	Jan,2019 – April,2019
Mentor:	Shefali Naik

# 2.2) Project Tools:

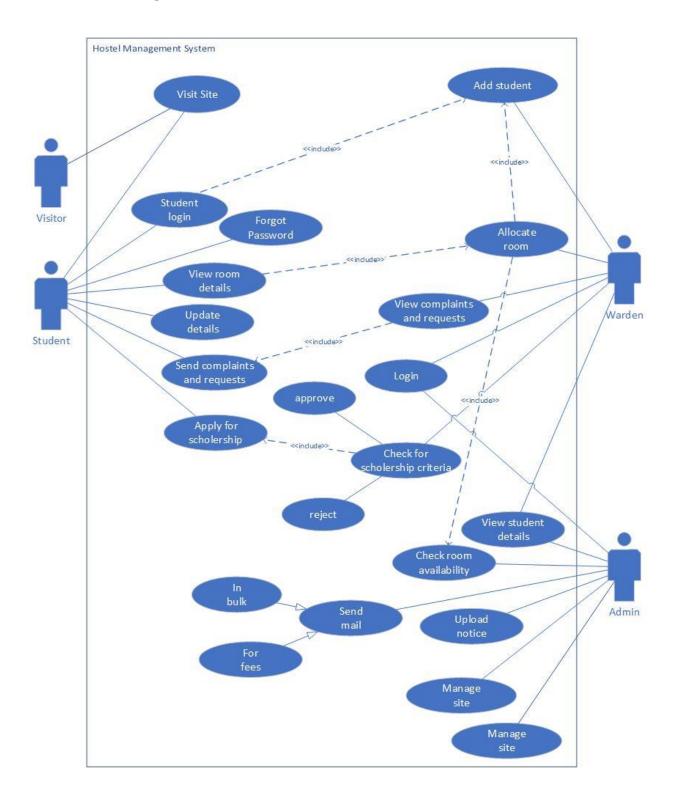
Front-end Tools:	ASP.net
Back-end Tools:	SqlDatabase

# 2.3) Other Requirements:

Platform:	ASP.net
Internet Connection	Required

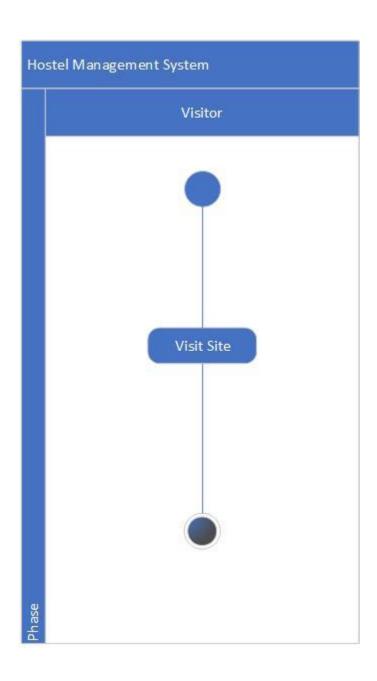
#### 3.) UML Diagram:

### **3.1)** Use Case Diagram:

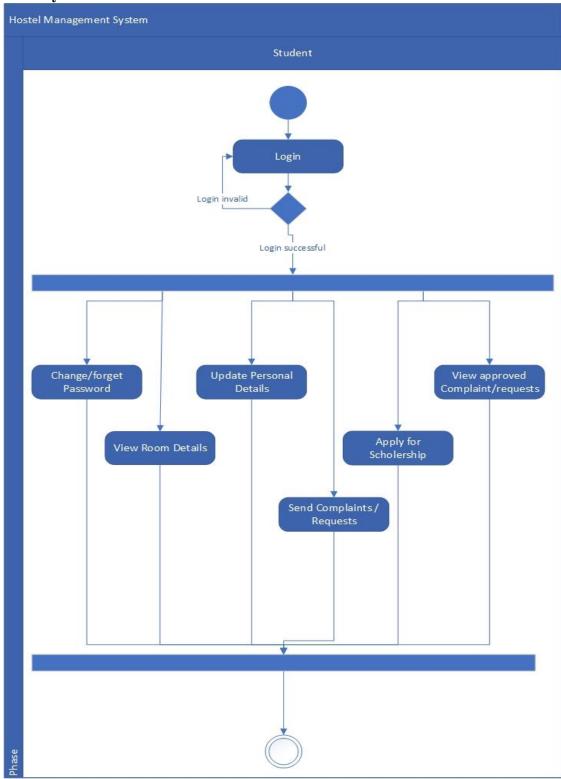


### 3.2) Activity Diagram:

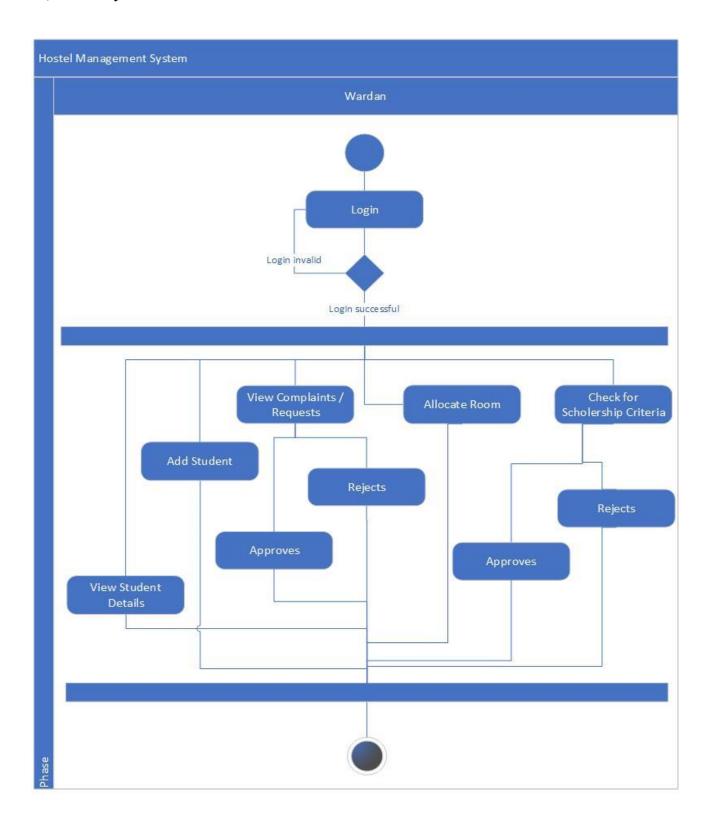
### 1.) Activity-Visitor



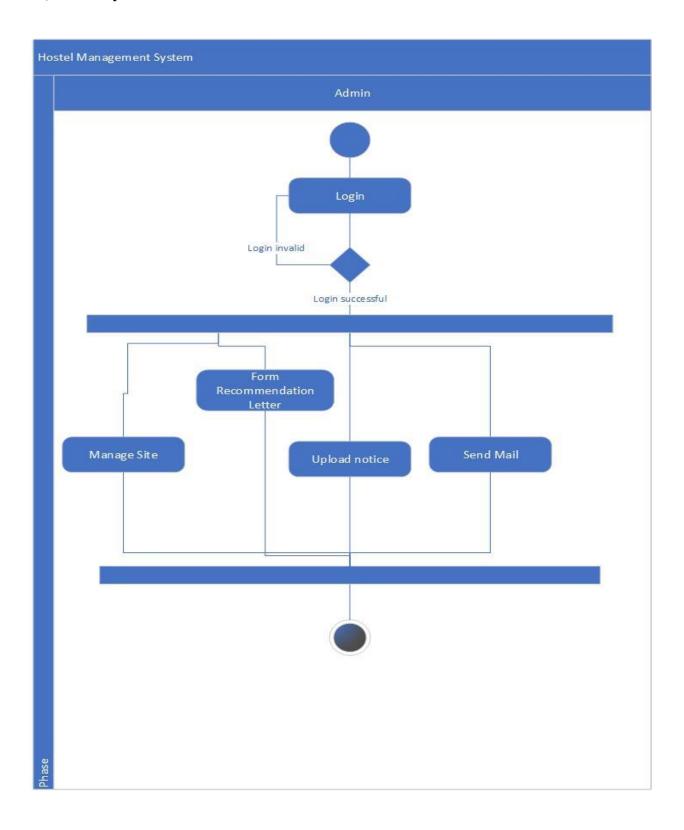
### 2.) Activity-Student



### 3.) Activity-Warden

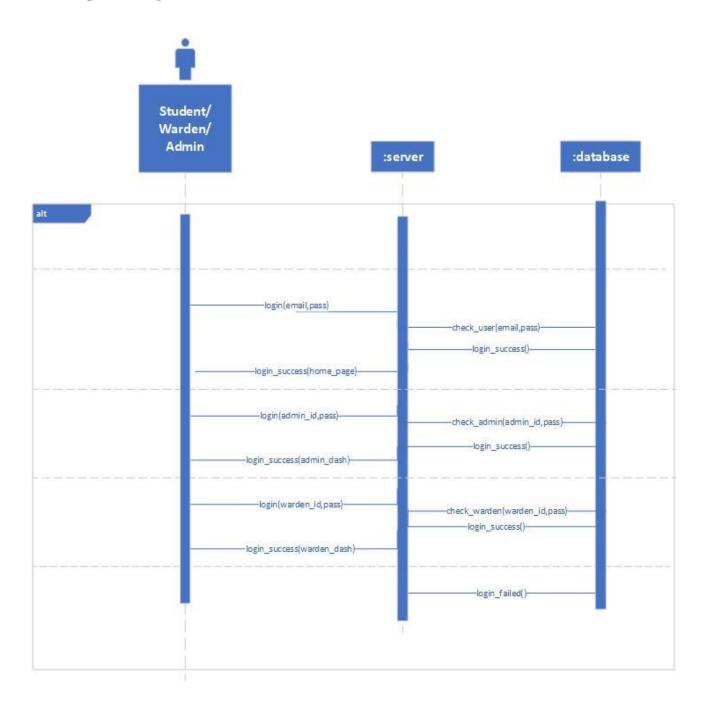


### 4.) Activity-Admin

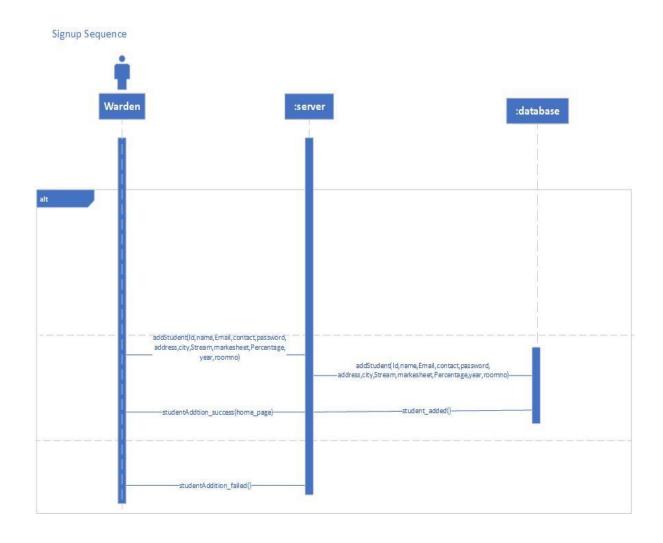


### 3.3) Sequence Diagram

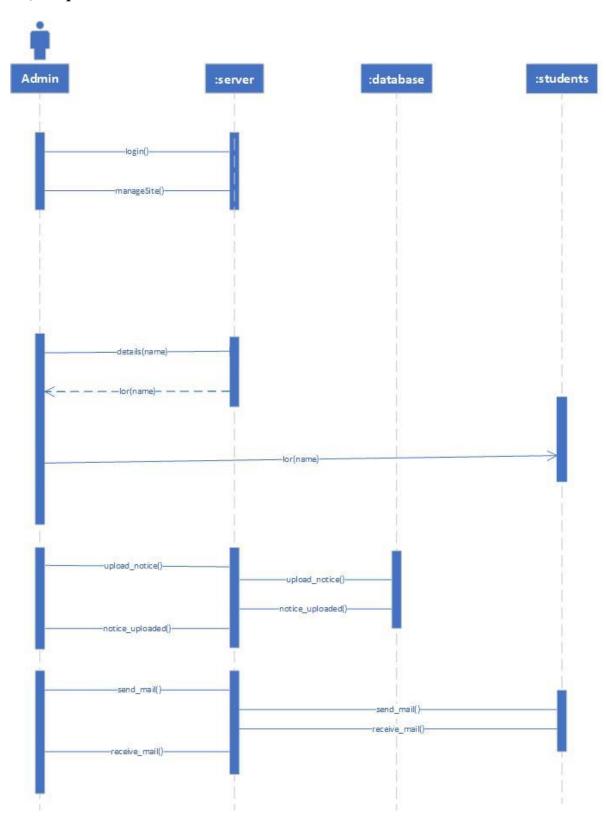
### 1.) Sequence-Login



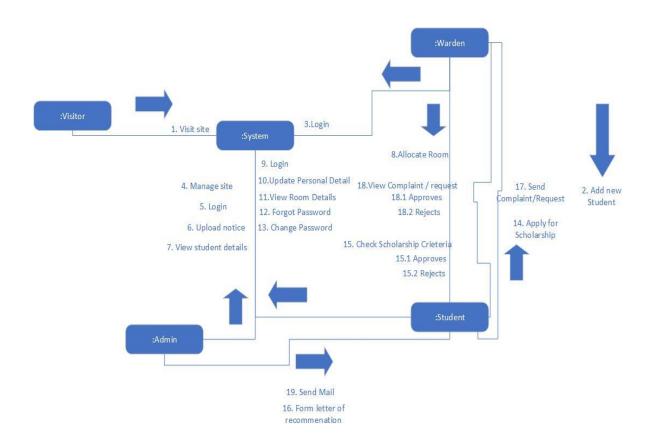
### 2.) Sequence-addStudent



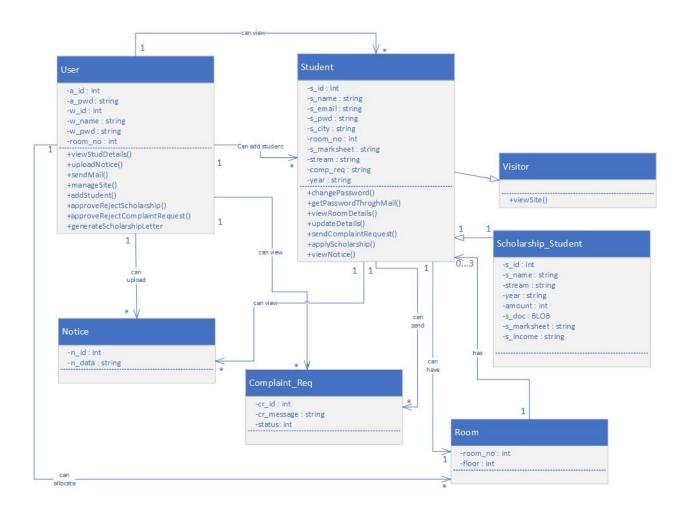
### 3.) Sequence-Admin



### 3.4) Collaboration



#### 4.) Class Diagram:



### 5. Data Dictionary:

1.) Table Name: UserReg

Sr.No	Field Name	Data Type	Constraint	Description
1	w_id	int		
2	w_Name	varchar(10)		
3	w_Password	varchar(10)	Not Null	
4	a_id	int		
5	a_Name	varchar(10)		
6	a_Password	varchar(10)	Not Null	
7	userType	varchar(10)		

# 2.) Table Name: StudentRegistration

Sr.No	Field Name	Data Type	Constraint	Description
1	Id	int		Auto Increment
2	Name	varchar(10)		
3	Email	varchar(50)	#P.K	
4	Contact	bigint		
5	Password	varchar(10)		
6	Address	varchar(50)		
7	City	varchar(50)		
8	Stream	varchar(100)		

9	Marksheet	varchar(100)		
10	Percentage	float		
11	College Year	int		
12	RoomNo	int	#F.K.	

# 3.) Table Name: Notice

Sr.No	Field Name	Data Type	Constraint	Description
1	Id	int		Auto Increment
2	Title	varchar(10)		
3	Message	varchar(1000)		

# 4.) Table Name: ComplainRequest

Sr.No	Field Name	Data Type	Constraint	Description
1	Id	int		Auto Increment
2	CR_message	varchar(1000)		
	a			
3	Status	int		
	G. 1 . 17 . 11	77 1 (70)	//== ===	
4	Student_Email	Varchar(50)	#F.K	

# 5.) Table Name: ScholarshipApplication

Sr.No	Field Name	DataType	Constraint	Description
1	Id	int		
2	Name	varchar(50)		
3	Email	varchar(50)	#P.K	
4	Address	varchar(50)		
5	Contact	bigint		
6	Pname	varchar(50)		
7	Pcontact	bigint		
8	College	varchar(50)		
9	Score	float		
10	Income	float		
11	Marksheet	varchar(500)		
12	IncomeDoc	varchar(500)		

# 6.) Table Name: ScholarshipStudent

Field Name	Data Type	Constraint	Description
Id	int		Auto Increment
Name	varchar(10)		
Email	varchar(50)	#F.K	
Contact	bigint		
Document	varchar(100)		
Address	varchar(50)		
City	varchar(50)		
Stream	varchar(100)		
Marksheet	varchar(100)		
Percentage	float		
Income_doc	Varchar(1000)		
Income	INT		
	Id Name Email Contact Document Address City Stream Marksheet Percentage Income_doc	Id int  Name varchar(10)  Email varchar(50)  Contact bigint  Document varchar(100)  Address varchar(50)  City varchar(50)  Stream varchar(100)  Marksheet varchar(100)  Percentage float  Income_doc Varchar(1000)	Id int  Name varchar(10)  Email varchar(50) #F.K  Contact bigint  Document varchar(100)  Address varchar(50)  City varchar(50)  Stream varchar(100)  Marksheet varchar(100)  Percentage float  Income_doc Varchar(1000)

# 7.) Table Name: roomDetails

Sr.No	Field Name	DataType	Constraint	Description
1	roomNo	int	#P.K	
2	floorNo	int		

# **6.** Validation and Verification method:

**Student: Login Page** 

Student Log	gin	Student
hemshah171095@gmail.com  Login  Forgot Password3	Password Enter password first.	
Contact Us  Phone: 079- 26858926  Mon to Sat: 10AM to 6PM Closed on Sundays     Copyright ©2019 All rights reserved	Location  LR Jain Boarding, Near Goyal InterCity 'C' block, Drive-In road, Thaltej, Ahmedabad-380054	About Us  LR Jain Boarding is a private hostel for full-time undergraduate and post graduate boys of Univerties and Colleges in Ahmedabad and Gandhinagar.  © Copyright 2018 Colorlib.

#### **Student: Change Password Page**

Home Update Detail View Notice Room Detail Scholarship Application Gallary Log Out Student

# **Change Password**

☆Login > ☆ Home > Change Password

hemshah171095@gmail.com	
••••	
••••	
Change Password	

#### Contact Us

### Phone: 079-26858926

Mon to Sat: 10AM to 6PM Closed on Sundays



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#### Location

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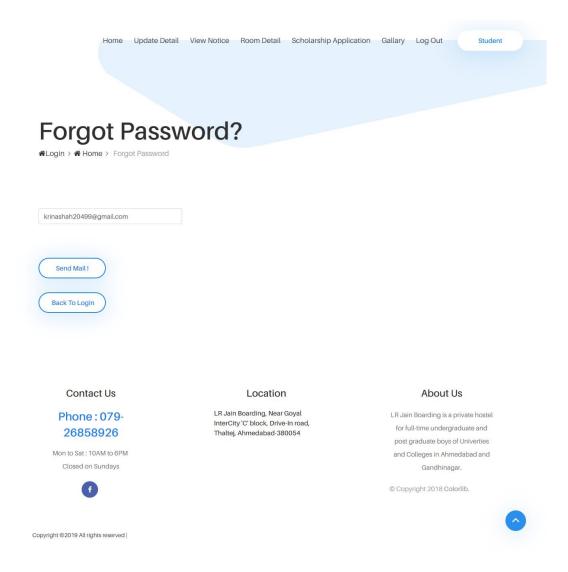
#### **About Us**

LR Jain Boarding is a private hostel for full-time undergraduate and post graduate boys of Univerties and Colleges in Ahmedabad and Gandhinagar.

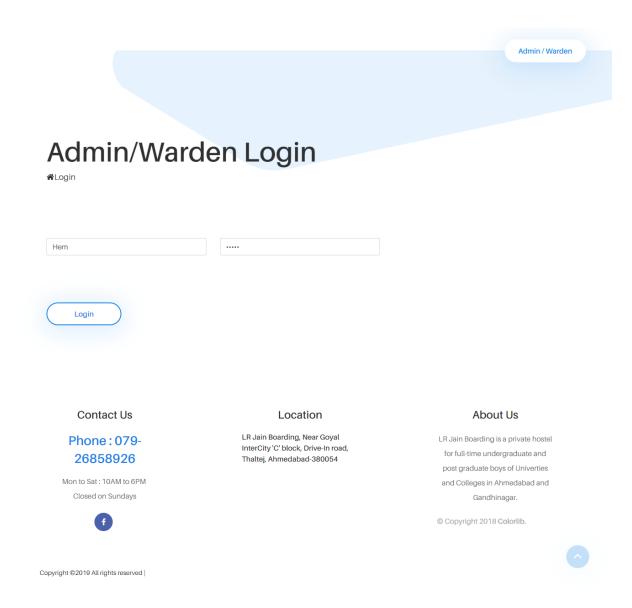
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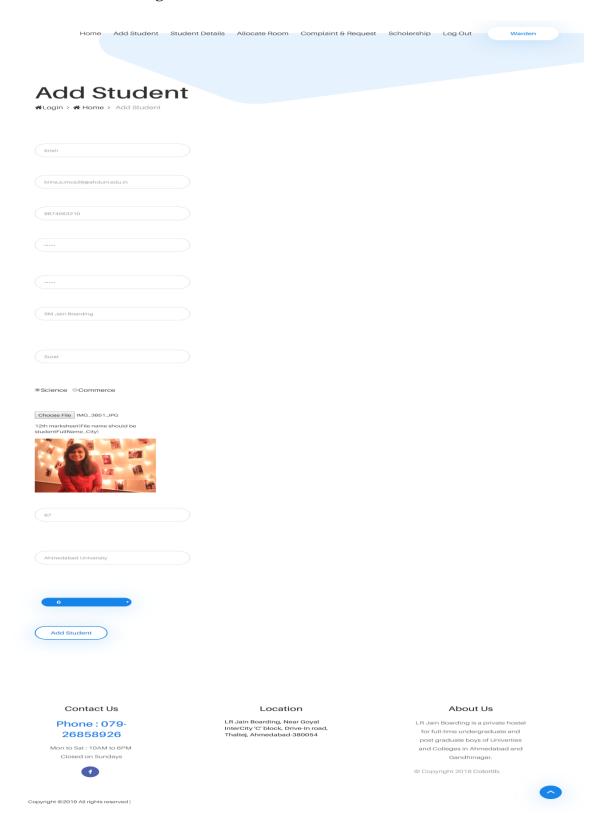
### **Student: Forget Password Page**



# Admin/Warden: Login Page

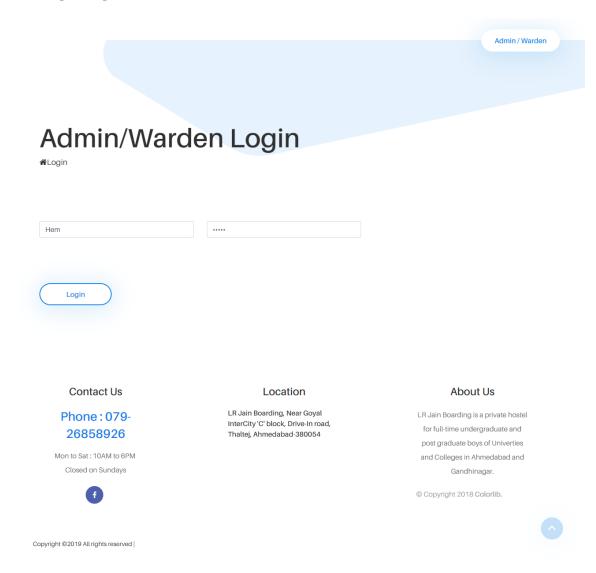


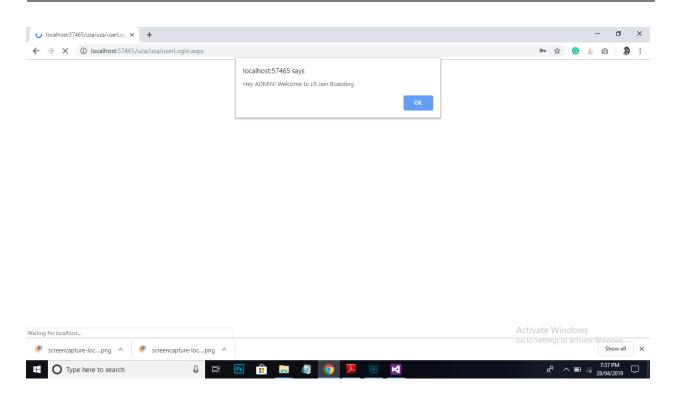
#### Warden: Add Student Page



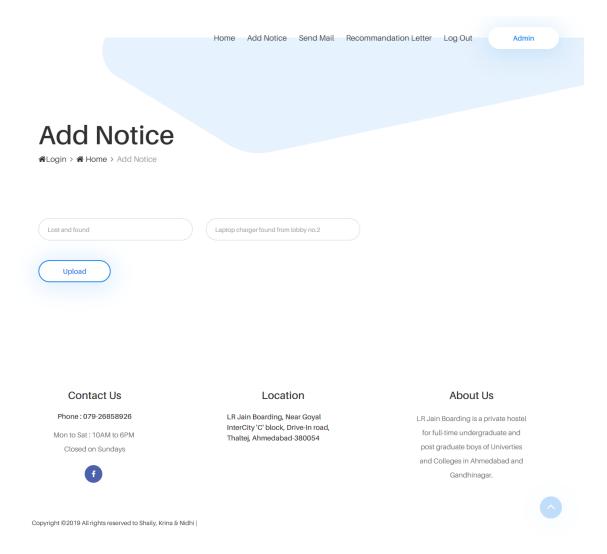
### 7.) Transaction Data Entry Screen

**Admin: Login Page** 

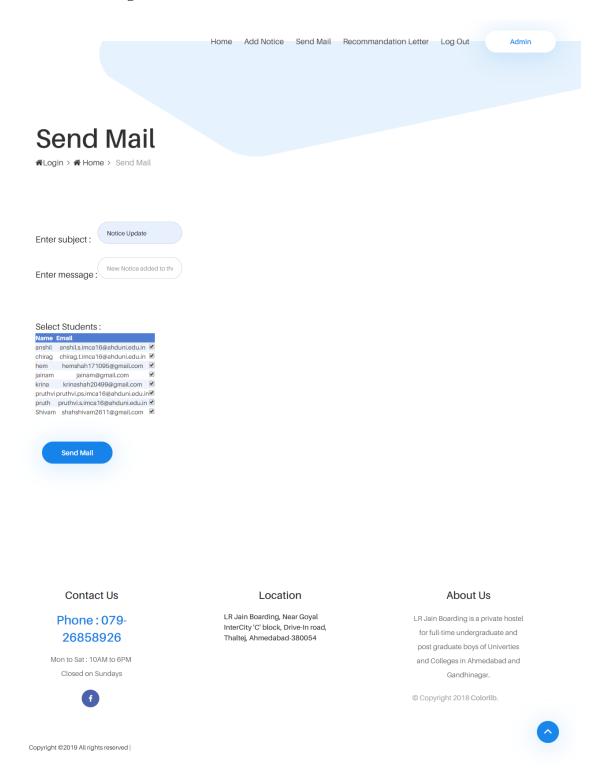




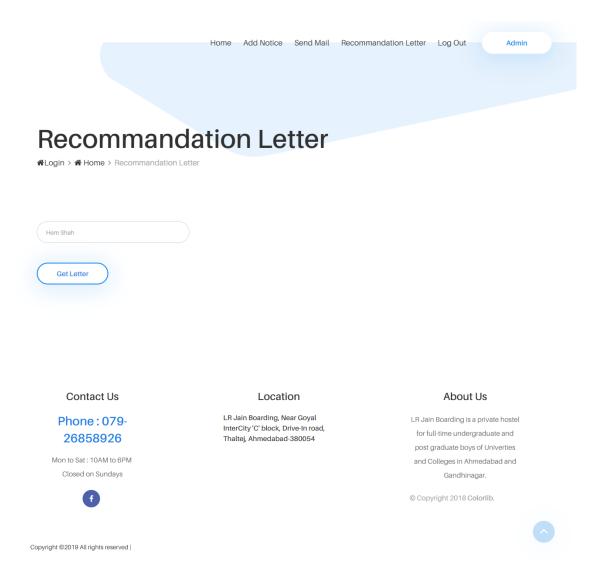
### **Admin: Add Notice Page**



#### **Admin: Send Mail Page**



#### **Admin: Recommendation letter**



#### **Admin: Scholarship letter**

Name: Hem Shah Download Letter

P: 079-26858926

L.R. JAIN BOARDING lrjainhostel@gmail.com

L.R. Jain Boarding, Drive-In Road,Thaltej, Ahmedabad, 380054

#### TO WHOM IT MAY CONCERN

This is to certify that Mr.Hem Shah got excellent marks in his last semeseter and has been qualified our Scholarship program. He is initiative, creative and curious to learn new things.

His ambition to succeed against all odd holds him in good stead in future. We wish him all the best for all his future endevors.

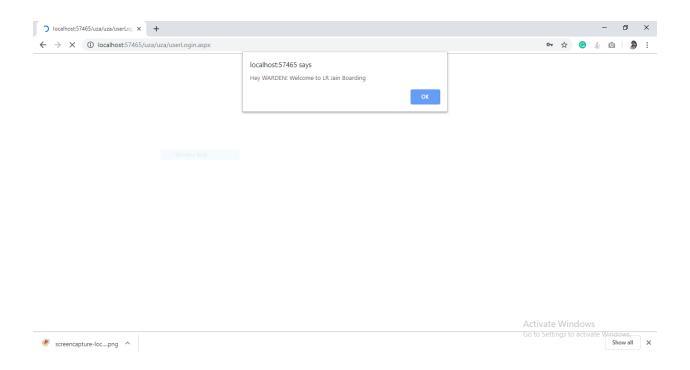
Regrads, Raju Shah, Director.

www.lrjainboarding.com

#### Warden: Login Page

Admin / Warden Admin/Warden Login Krina Contact Us Location About Us LR Jain Boarding, Near Goyal LR Jain Boarding is a private hostel Phone: 079-InterCity 'C' block, Drive-In road, for full-time undergraduate and 26858926 Thaltej, Ahmedabad-380054 post graduate boys of Univerties Mon to Sat: 10AM to 6PM and Colleges in Ahmedabad and Closed on Sundays Gandhinagar. © Copyright 2018 Colorlib.

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### Warden: Home Page



# Warden Home

**★Login** > **★**Warden Home

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# Warden: Add Student

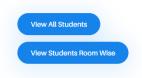
Home Add Student	Student Details	Allocate Room	Complaint & Request	Scholership	Log Out War	rden
Add Stude	mt					
*Login > * Home > Add Student	TIL					
Krish						
bules a longe 78 majorium estu la						
krina.s.imca26@ahduni.edu.in						
9874563210						
SM Jain Boarding						
Surat						
Science						
Choose File IMG_3851.JPG						
12th marksheet(File name should be studentFullName_City)						
The second second						
87						
Ahmedabad University						
6						
Add Student						
Contact Us		Locatio	on		About Us	
Phone: 079-	In	R Jain Boarding, Ne terCity 'C' block, Dri	ve-In road,		n Boarding is a private hoste Il-time undergraduate and	
26858926  Mon to Sat : 10AM to 6PM	Th	naltej, Ahmedabad-	380054	post g	graduate boys of Univerties olleges in Ahmedabad and	
Closed on Sundays					Gandhinagar.	
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#### **Warden: View Students**



# View Student Detail

ALogin > A Home > Student Detail



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# Warden: View All Students

Home Add Student Student Details View Complaint & Request Scholership Selection Log Out Warden

# View Student Detail

ALogin > A Home > Student Detail



Name	Email	Contact	Address	City	Stream	BoardPercentage	Year	RoomNumber
anshil	anshil.s.imca16@ahduni.edu.in	9795571205	E/6 Ashirwad Apts,	Mumbai	Science	90	1	3
chirag	chirag.t.imca16@ahduni.edu.in	9656271108	C/4 Allure flats, Goa	Goa	Commerce	90	2	3
hem	hemshah171095@gmail.com	9825024383	A/1 Parth Apt , Jamnagar	Jamnagar	Commerce	96	1	2
jainam	jainam@gmail.com	9825041207	G/6 Shiv flat , baroda	Baroda	Science	90	2	1
Krish	krina.s.imca16@ahduni.edu.in	9362587410	SANKET APT.	Surat	Science	87	1	6
krina	krinashah20499@gmail.com	9520365701	S/6 LR Bunglows, Gandhinagar	Gandhinagar				1
pruthvi	pruthvi.ps.imca16@ahduni.edu.in	9672043012	D/8 Siddh Shila flat , Surat	Surat	Commerce	67	3	3
pruth	pruthvi.s.imca16@ahduni.edu.in	9898252514	F/9 Sagar Samrat, Nagpur	Nagpur	Science	90	1	2
Shivam	shahshivam2611@gmail.com	9426651806	D/2 Shalin Residency , Mehsana	Mehsana	Coomerce	90	2	2

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### Location

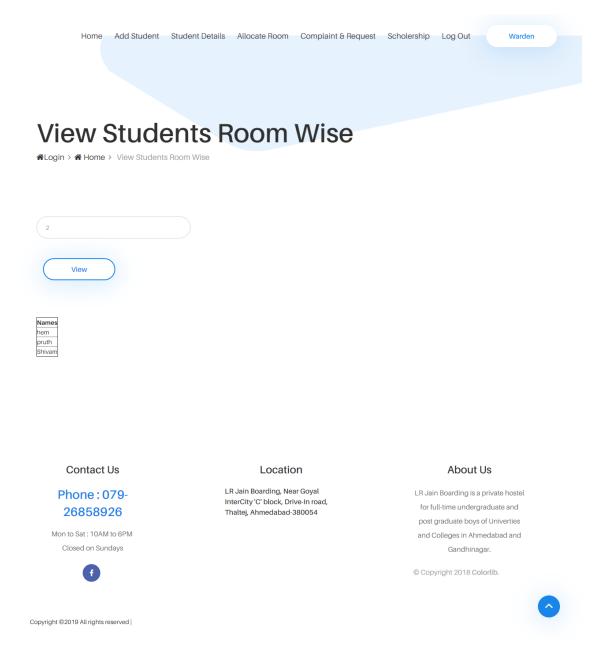
LR Jain Boarding, Near Goyal InterCity 'C' block, Drive-In road, Thaltej, Ahmedabad-380054

### About Us

LR Jain Boarding is a private hostel for full-time undergraduate and post graduate boys of Univerties and Colleges in Ahmedabad and Gandhinagar.



### Warden: View Students Room Vise



# Warden: View Complaint/Request Page



# Complaints & Requests

ALogin > A Home > Complaints & Requests





Ion to Sat : 10AM to 6PM Closed on Sundays

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# Warden: Scholarship Selection Page



# Scholarship Selection

☆Login > ☆ Home > Scholarship Selection



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### Location

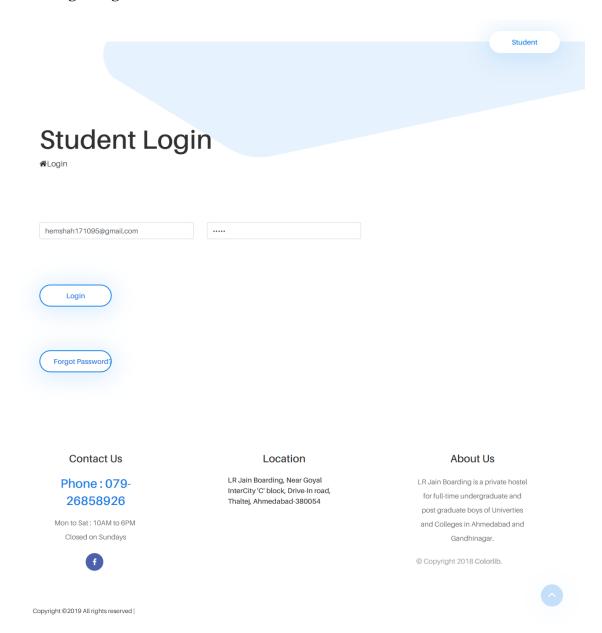
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# Student: Login Page



# **Student: View Notice Page**



# **View Notice**

★Login > ★ Home > View Notice

Title: Meeting: One-day picnic Message: Meeting for one day picnic on 1st June,2019	Title: Meeting Message: Meeting for one day picnic on 12th March,2018 at Newspaper room.	Title: Meeting: Three-day picnic Message: See you a news pap room
--	--	--

### Contact Us

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### **Student: View room details**



# **Room Details**

ALogin > A Home > Room Detail

Hey hemshah171095@gmail.com, Your room no is **2** and it is located on floor no. **1**.

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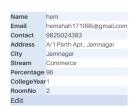


# **Student: Update Details Page**



# **Update Detail**

★Login > ★ Home > Update Detail



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# **Update Detail**

ALogin > A Home > Update Detail



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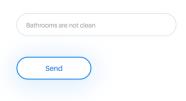


# **Student: Send Complaint/Request page**



# Send Complaints & Requests

☆Login > ☆ Home > Send Complaints & Requests



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# **Student: Accepted Complaint/Request page**



Home Update Detail View Notice Room Detail Scholarship Application Gallary Log Out Student

# Accepted Complaint/Request

★Login > ★ Home > Accepted Complaints/ Requests



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# Gallery: All photos



# **Gallery: Boarding Campus**





**Bording Campus** 

Students























### Contact Us

### Phone: 079-26858926

Mon to Sat : 10AM to 6PM Closed on Sundays



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# **Gallery: Students**

Home Update Detail View Notice Room Detail Scholarship Application Gallary Log Out

tudent



★Login > ★ Home > Gallary

All Photos

**Bording Campus** 

Students













Contact Us

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Mon to Sat: 10AM to 6PM Closed on Sundays



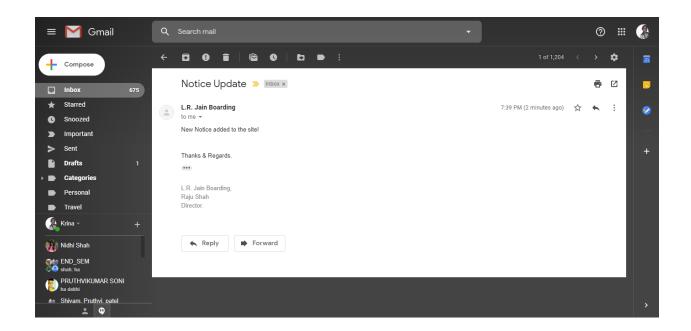
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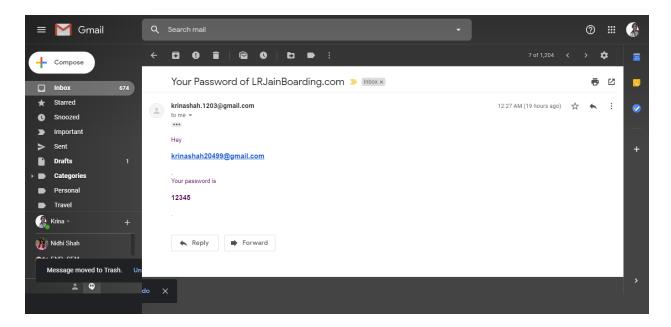
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# 8.) Report Layouts

Name: Hem Shah Download Letter

P: 079-26858926

L.R. JAIN BOARDING

lrjainhostel@gmail.com

L.R. Jain Boarding, Drive-In Road,Thaltej, Ahmedabad, 380054

### TO WHOM IT MAY CONCERN

This is to certify that Mr.Hem Shah got excellent marks in his last semeseter and has been qualified our Scholarship program. He is initiative, creative and curious to learn new

His ambition to succeed against all odd holds him in good stead in future. We wish him all the best for all his future endevors.

Regrads, Raju Shah, Director.

www.lrjainboarding.com

# 9.) References

- <a href="http://www.doonschool.com/">http://www.doonschool.com/</a>
- <a href="https://colorlib.com/wp/template/uza/">https://colorlib.com/wp/template/uza/</a>
- https://www.youtube.com/channel/UCXU84JJI\_wBcPICovba415w