

BACKLOG MANAGEMENT SYSTEM (BMS)

Project Guide :

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158W1F0034

ABSTRACT

Backlog means number of subjects which have not been cleared in exams. i.e. it refers to the number of subjects failed by a student. This system manages the backlog subjects of all students in the college. This system managed by the staff of the department. Staff updates the backlog student details along with course details for example Regulation, Department, Subject codes, Subject names etc.



Existing System

- In the existing system backlogs of all students can be viewed manually.

Proposed System

- In this proposed system maintain the backlog subjects and details of all students. This system generates the reports of the students like subject wise, roll number wise & cumulative.

Purpose

The main purpose of the project is to provide the Backlogs to the student in a simple way. This project is useful for students and educational institutions for getting the Backlogs in simple manner. By a result analyzer with subject status is an application tool for displaying the Backlogs in secure way.

The system is intended for the students and Faculty. And the privileges that are provided to student are to read and execute his/her result by providing user name and password for secure login. And the guest user has the privilege only to read.

Hardware Requirements

Minimum hardware requirements for all windows versions

Architecture	32-bit	64-bit
Processor	1 GHz x86 processor	1 GHz x64 processor
Memory (RAM)	256MB	512MB
HDD free space	16GB Free disk space	20GB Free disk space

Software Requirements

Front end: HTML, CSS, JavaScript, Bootstrap

- HTML: HTML is used to create web documents.
- CSS: (Cascading Style Sheets) Create attractive Layout
- JavaScript: it is a programming language, commonly use with web browsers.
- Bootstrap: Bootstrap is a framework to help you design websites faster and easier.

Back end: PHP, MySQL

- PHP: Hypertext Preprocessor (PHP) is a technology that allows software developers to create dynamically generated web pages, in HTML, XML, or other document types, as per client request. PHP is open source software.
- MySQL: MySQL is a database, widely used for accessing querying, updating, and managing data in databases

Server requirement (any one)

- XAMP Server
- WAMP Server

Module Division

This system contains two modules namely

1. Admin Module
2. User Module

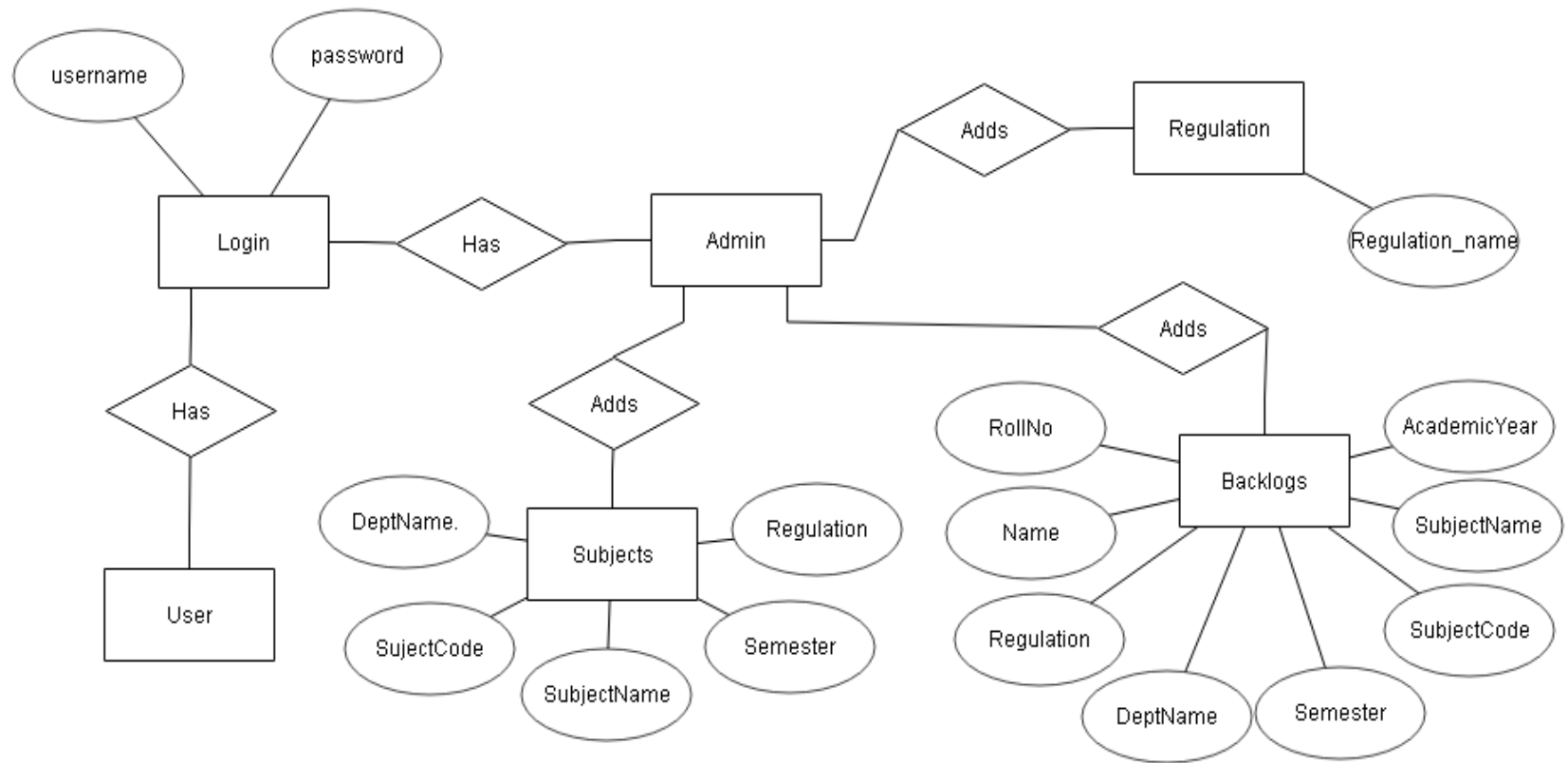
Admin Module

1. Admin perform the basic tasks of Add/View/Delete Regulation, Subjects and Backlogs of students. And generate the reports of student wise, subject wise, department wise and cumulative.

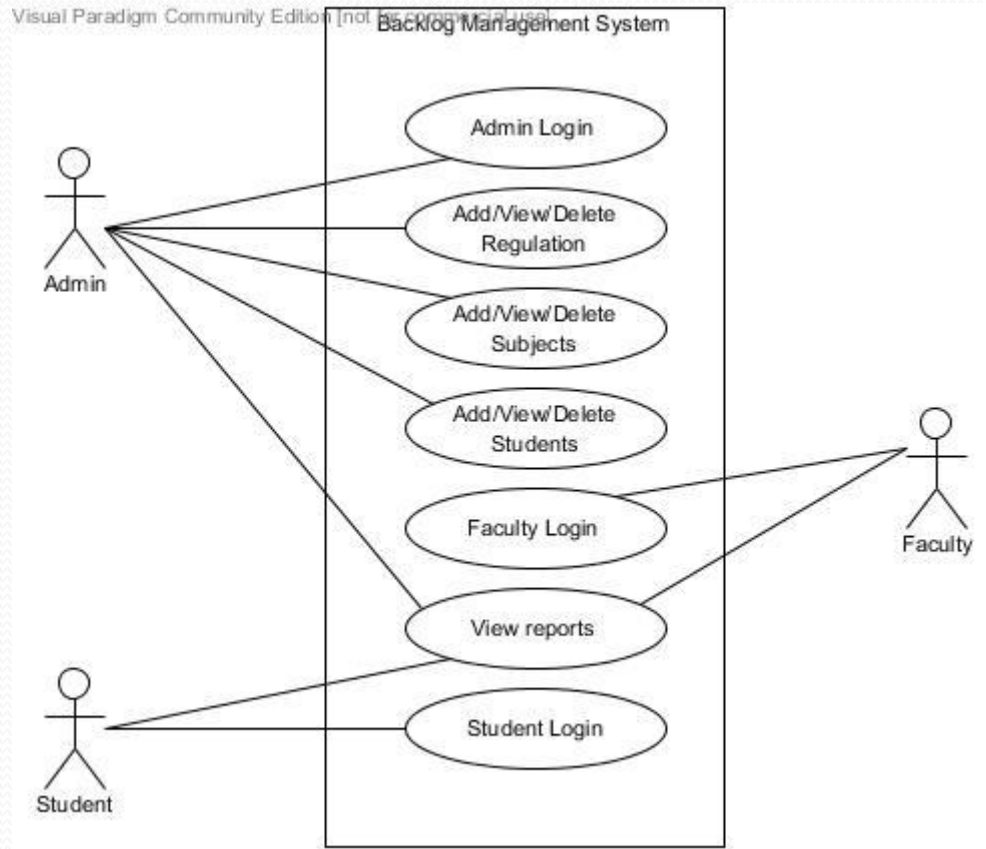
User Module

2. User Faculty can search different type of reports such as student wise, subject wise, department wise and cumulative. User Student can search their Backlogs using valid roll number.

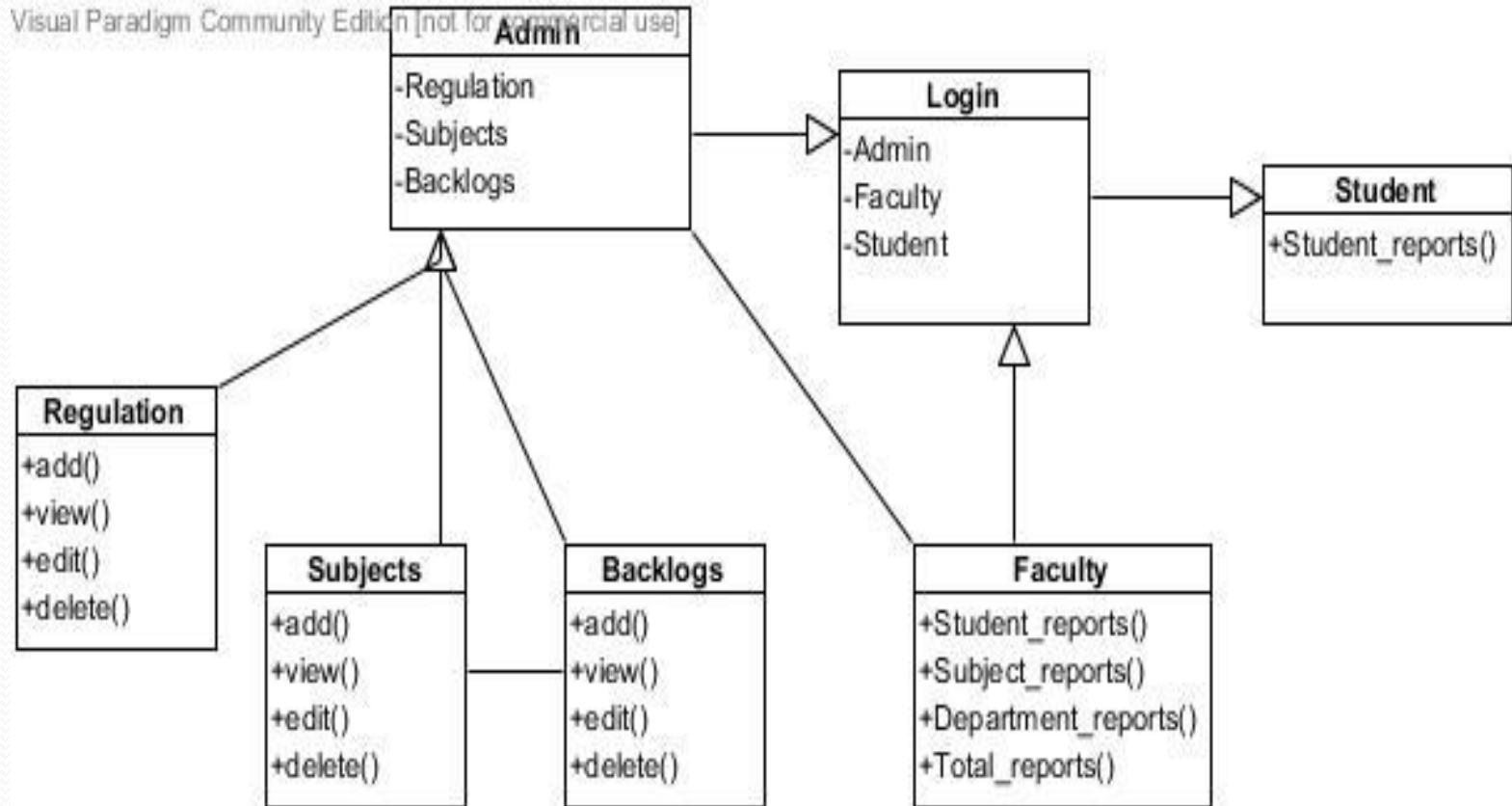
ER Diagram



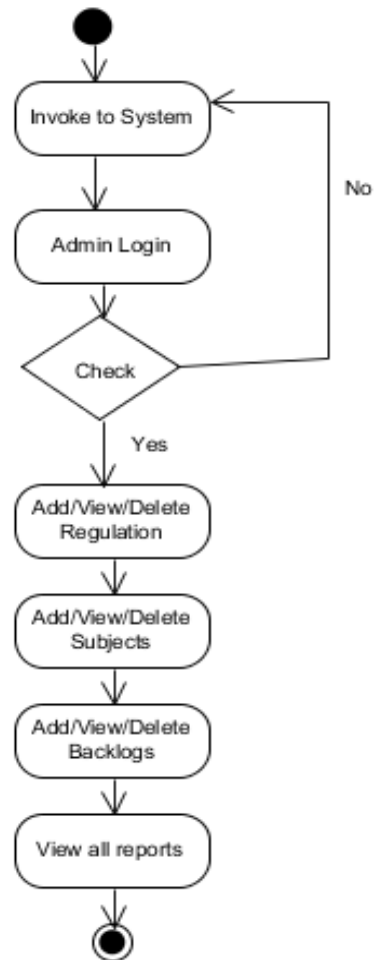
UseCase Diagram



Class Diagram

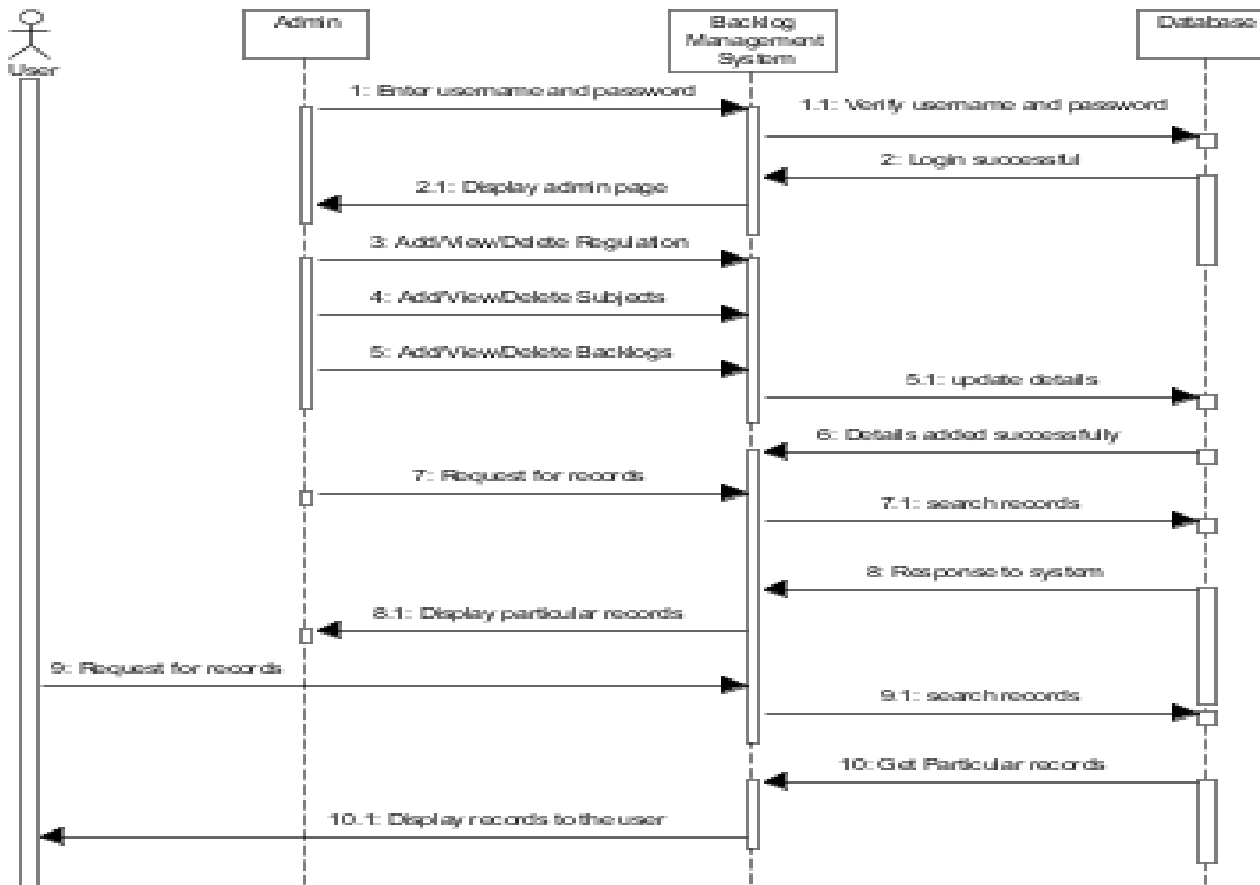


Activity Diagram



Sequence Diagram

Sequence Diagram



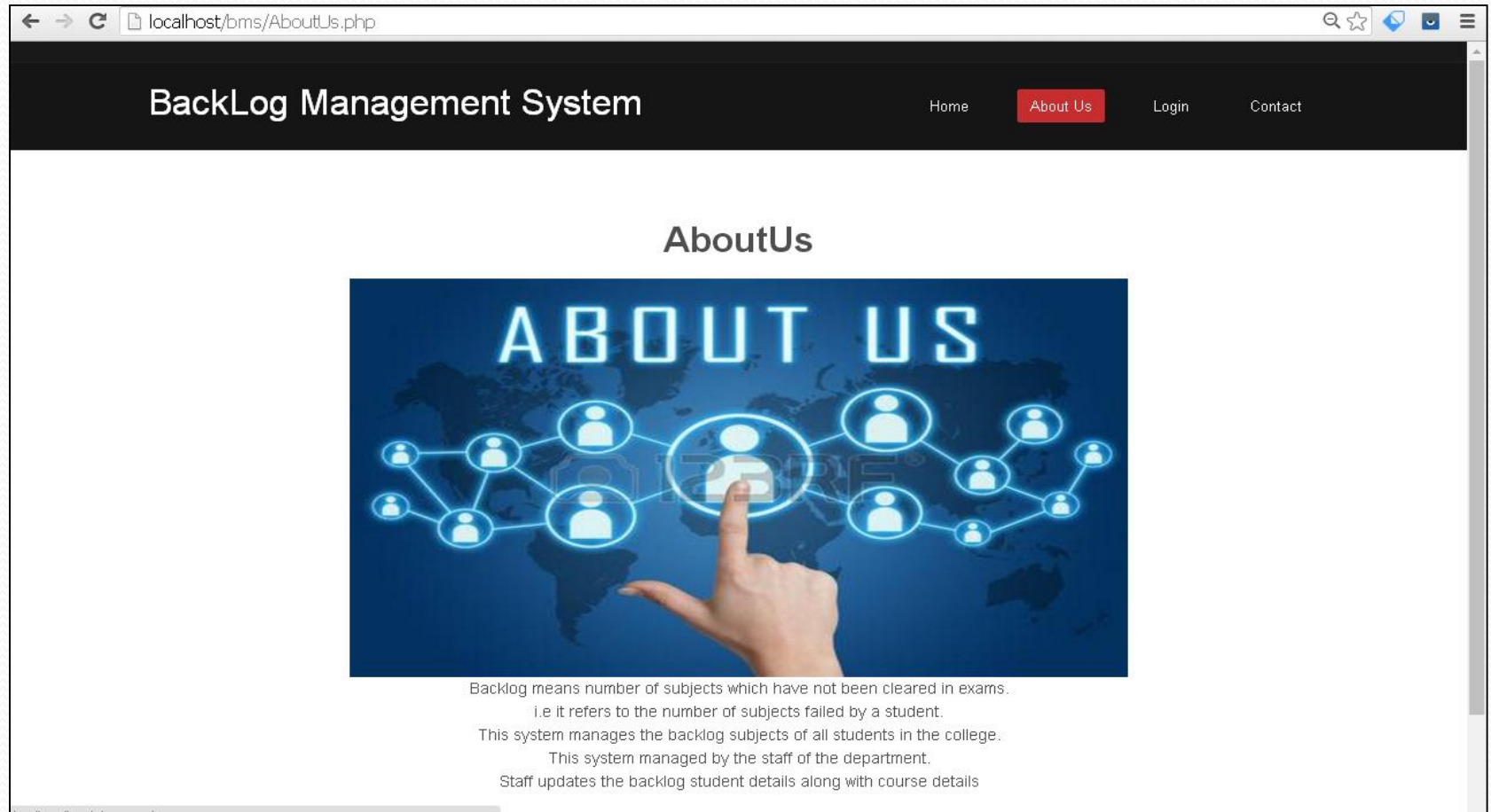
User Interface

Home screen



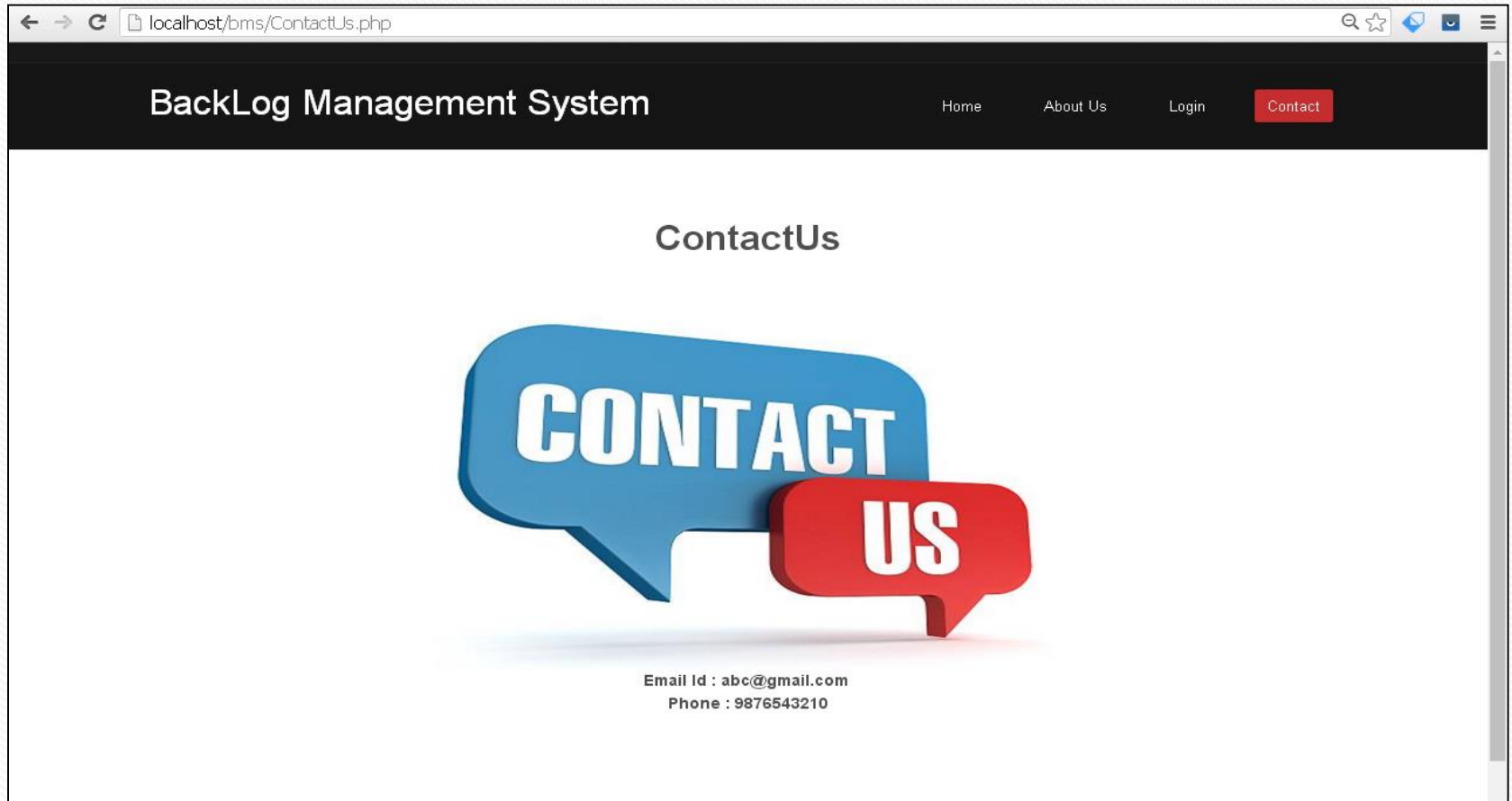
Description: The above Fig shows home page of Backlog Management System.

About Us



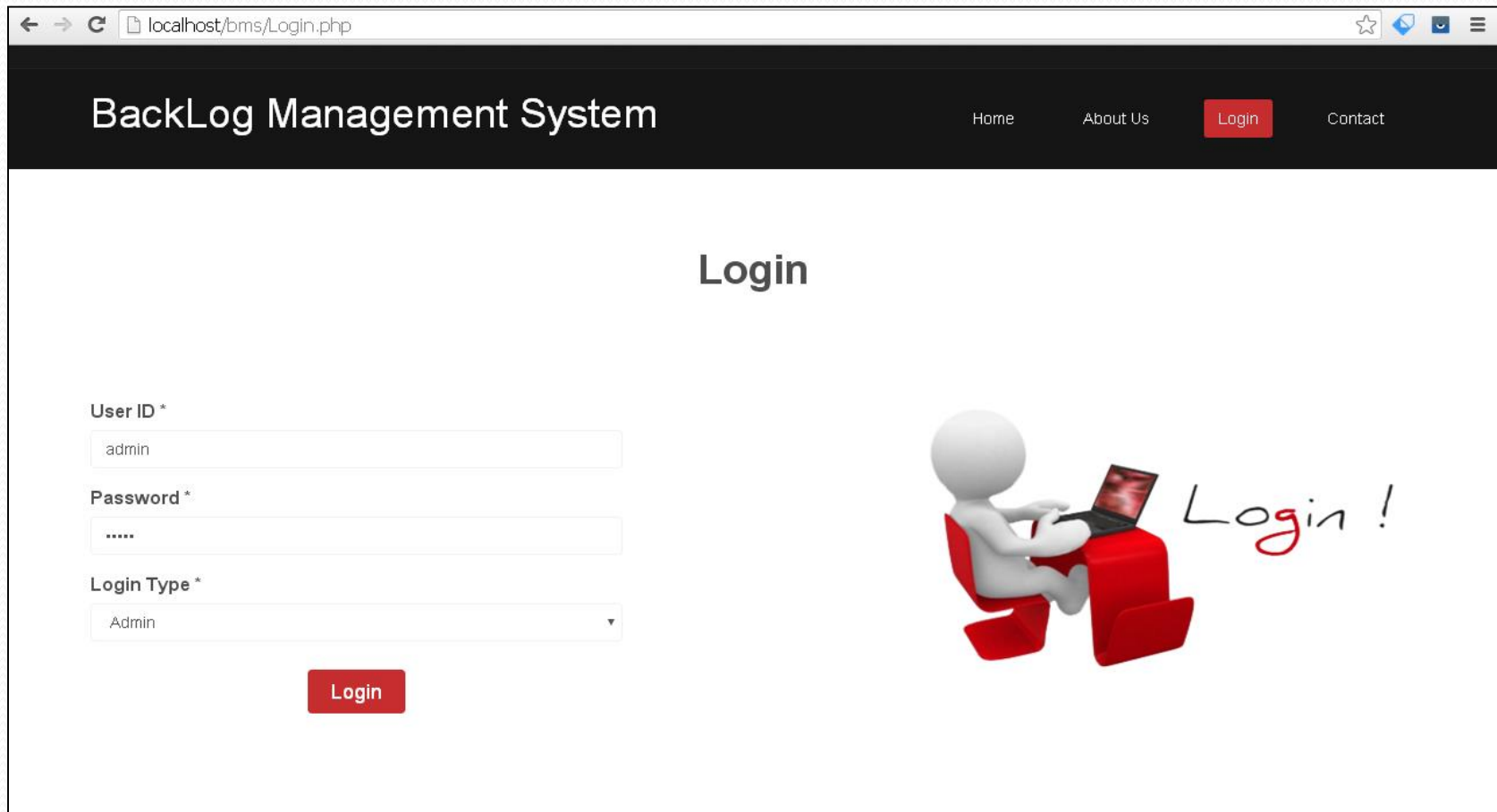
Description: The above Fig shows AboutUs page of Backlog Management System.

Contact Us



Description: The above Fig shows ContactUs page of Backlog Management System.

Login



← → ↻ 📄 localhost/bms/Login.php ☆ 📧 📧 ☰

BackLog Management System

Home About Us **Login** Contact


Login

User ID *

Password *

Login Type *

Login

 Login !

Description: The above Fig shows Login page. Here Admin, Faculty and Student also used to Login the Backlog Management System.

Admin Home



Description: The above Fig shows Admin Home page of Backlog Management System.

Regulation Add

localhost/bms/Regulation_ADD.php

BackLog Management System

Home Regulation Subjects Backlogs Reports Logout

ADD
View / Delete

Add Regulation

Regulation Name *

Submit

Description: The above Fig shows Regulation add page. Here we can add Regulation name.

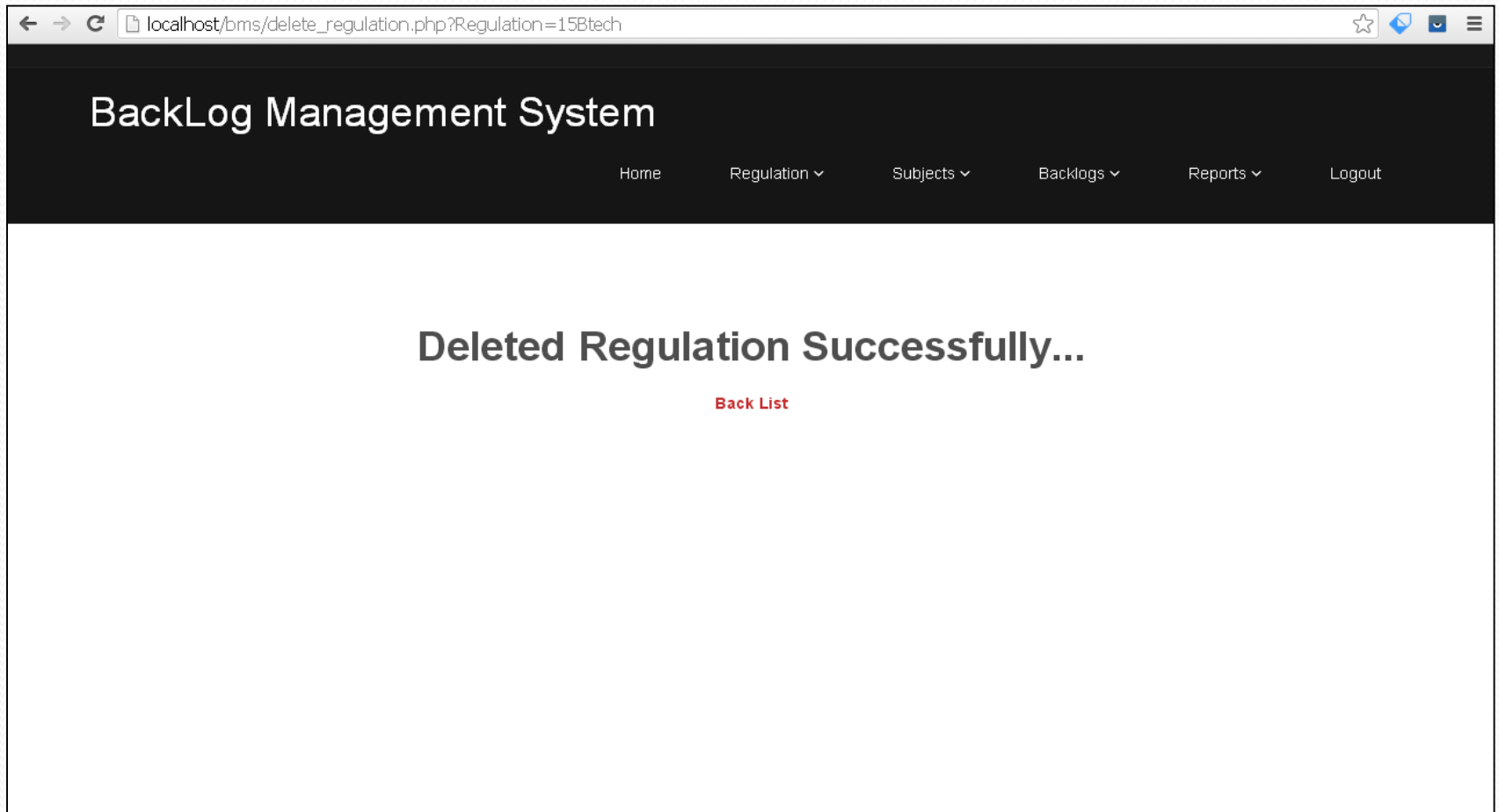
Regulation View

The screenshot displays the 'Regulation View' page of the BackLog Management System. The page features a dark header with the system name and a navigation menu. Below the header, there is a 'View Regulation' section with two buttons: 'ADD' and 'View / Delete'. A table lists the regulations, each with a 'Delete' button.

Regulation Name	
VR101	Delete
16MCA	Delete
15MCA	Delete
15MBA	Delete
18MCA	Delete

Description: The above Fig shows Regulation View page. Here view all regulations added in previously.

Regulation Delete



Description: The above Fig shows Regulation Delete page. Here delete all regulations added in previously.

Subjects Add

localhost/bms/Subjects_ADD.php

BackLog Management System

Home Regulation Subjects Backlogs Reports Logout

ADD
View / Delete

ADD Subjects

Regulation *
18MCA

Department *
MCA

Semester *
2

Enter Subject Code And Subject Name *

Enter Subject Code

Enter Subject Name

Add Row Delete Row

Select	Subject Code	Subject Name
<input type="checkbox"/>	18MCA2201	C LANGUAGE
<input type="checkbox"/>	18MCA2202	PHP
<input type="checkbox"/>	18MCA2203	ORACLE
<input type="checkbox"/>	18MCA2204	COMPUTER NETWORKS

Submit

localhost/bms/Subjects_ADD.php

Description: The above Fig shows Subjects Add page. Here add more number of subjects at a time.

Subjects View

BackLog Management System

Home Regulation Subjects Backlogs Reports Logout

ADD
View / Delete

View Subjects

Regulation *
-- Select Regulation --

Department *
-- Select Department --

Semester *
-- Select Semester --

Search

Subject Code	Subject Name	
18MC2201	C LANGUAGE	Delete
18MC2202	PHP	Delete
18MC2203	ORACLE	Delete
18MC2204	COMPUTER NETWORKS	Delete

Description: The above Fig shows Subjects View page. Here view all Subjects based on Regulation, Department and Semester wise added in previously.

Backlog Students Add

BackLog Management System

Home Regulation Subjects Backlogs Reports Logout

ADD
View / Delete

ADD Backlog Students

Regulation *
18MCA

Department *
MCA

AcademicYear *
2017-2018

Semester *
2

Select Subject *

- ☒ 18MC2201 - C LANGUAGE
- ☒ 18MC2202 - PHP
- ☐ 18MC2203 - ORACLE
- ☒ 18MC2204 - COMPUTER NETWORKS

Enter Students RollNo and Name *

158W1F0034

Saikiran

Get Subjects Submit

Description: The above Fig shows Backlogs Students Add page. Here add more number of Backlogs to a particular student.

Backlogs Students View

BackLog Management System

Home Regulation Subjects Backlogs Reports Logout

ADD
View / Delete

View Backlog Students

Regulation *
18MCA

Department *
MCA

AcademicYear *
2017-2018

Search

AcademicYear	Regulation	DeptName
2017-2018	18MCA	MCA

RollNo	Name	Semester	Subject Code	Subject Name	
158W1F0034	Saikiran	2	18MC2201	C LANGUAGE	delete
158W1F0034	Saikiran	2	18MC2202	PHP	delete
158W1F0034	Saikiran	2	18MC2204	COMPUTER NETWORKS	delete

Description: The above Fig shows Backlog Students View page. Here view all Backlogs based on Regulation, Department and Academic year wise added in previously.

Student Wise Backlogs List

The screenshot displays a web application titled "BackLog Management System". The interface includes a navigation bar with links for Home, Regulation, Subjects, Backlogs, Reports, and Logout. A dropdown menu is open under the "Backlogs" link, showing options: "Student Wise BackLogs" (highlighted in red), "Subject Wise BackLogs", "Department Wise BackLo", and "Total BackLogs".

The main content area is titled "Student Wise BackLogs List". It features a search form on the left with the following fields:

- Regulation *: 15MCA
- Department *: MCA
- AcademicYear *: 2017-2018
- Roll Number *: 158W1F0034

A red "Search" button is located below the search form.

Below the search form, there are two tables. The first table lists student backlogs, and the second table lists subjects.

Roll No	Name	AcademicYear	Regulation	DeptName
158w1f0034	saikiran	2017-2018	15MCA	MCA

Semester	Subject Code	Subject Name
1	15MCA2103	COMPUTER ORGANIZATION
5	15MCA2505A	BIG DATA ANALYTICS

Description: The above Fig shows Student wise Backlog list. Here search student all backlogs

Subject Wise Backlogs List

The screenshot displays a web application titled "BackLog Management System". The navigation bar includes links for Home, Regulation, Subjects, Backlogs, Reports, and Logout. A dropdown menu for "Backlogs" is open, showing options: Student Wise BackLogs, Subject Wise BackLogs (highlighted), Department Wise BackLo, and Total BackLogs. The main content area is titled "Subject Wise Backlogs List". On the left, there are search filters: Regulation (15MCA), Department (MCA), AcademicYear (2015-2016), and Subject Code (15MCA4653). A red "Search" button is located below these filters. The search results are displayed in two tables. The first table lists the subject details, and the second table lists the students with backlogs.

Regulation	DeptName	Semester	AcademicYear	Subject Code	Subject Name
15MCA	MCA	6	2015-2016	15MCA4653	MAJOR PROJECT

Roll No	Name
158w1f0034	saikiran
158w1f0033	brahmani
158w1f0035	satya
158w1f0047	jaheer
158w1f0007	harsha

Description: The above Fig shows Subject wise backlog list. Here search how many students have got Backlog in particular subject.

Department Wise Backlogs List

localhost/bms/Admin_Department_BackLog.php

BackLog Management System

Home Regulation Subjects Backlogs Reports Logout

Department Wise BackLogs List

Student Wise BackLogs
Subject Wise BackLogs
Department Wise BackLogs
Total BackLogs

Regulation *
15MCA

Department *
MCA

AcademicYear *
2016-2017

Search

AcademicYear	Regulation	DeptName
2016-2017	15MCA	MCA

RollNo	Name	Semester	Subject Code	Subject Name
158w1f0004	pavan sai	4	15MCA2405D	COMPUTER GRAPHICS
158w1f0007	harsha	4	15MCA2405D	COMPUTER GRAPHICS
158w1f0015	salmon	4	15MCA2402	MOBILE APPLICATION DEVELOPMENT
158w1f0016	sravanthi	4	15MCA2402	MOBILE APPLICATION DEVELOPMENT
158w1f0034	saikiran	4	15MCA2405D	COMPUTER GRAPHICS
158w1f0062	janani	3	15MCA2305	INDUSTRIAL MANAGEMENT

localhost/bms/Admin_Department_BackLog.php

Description: The above Fig shows Department wise backlogs list. Here search all Backlogs based on the Department.

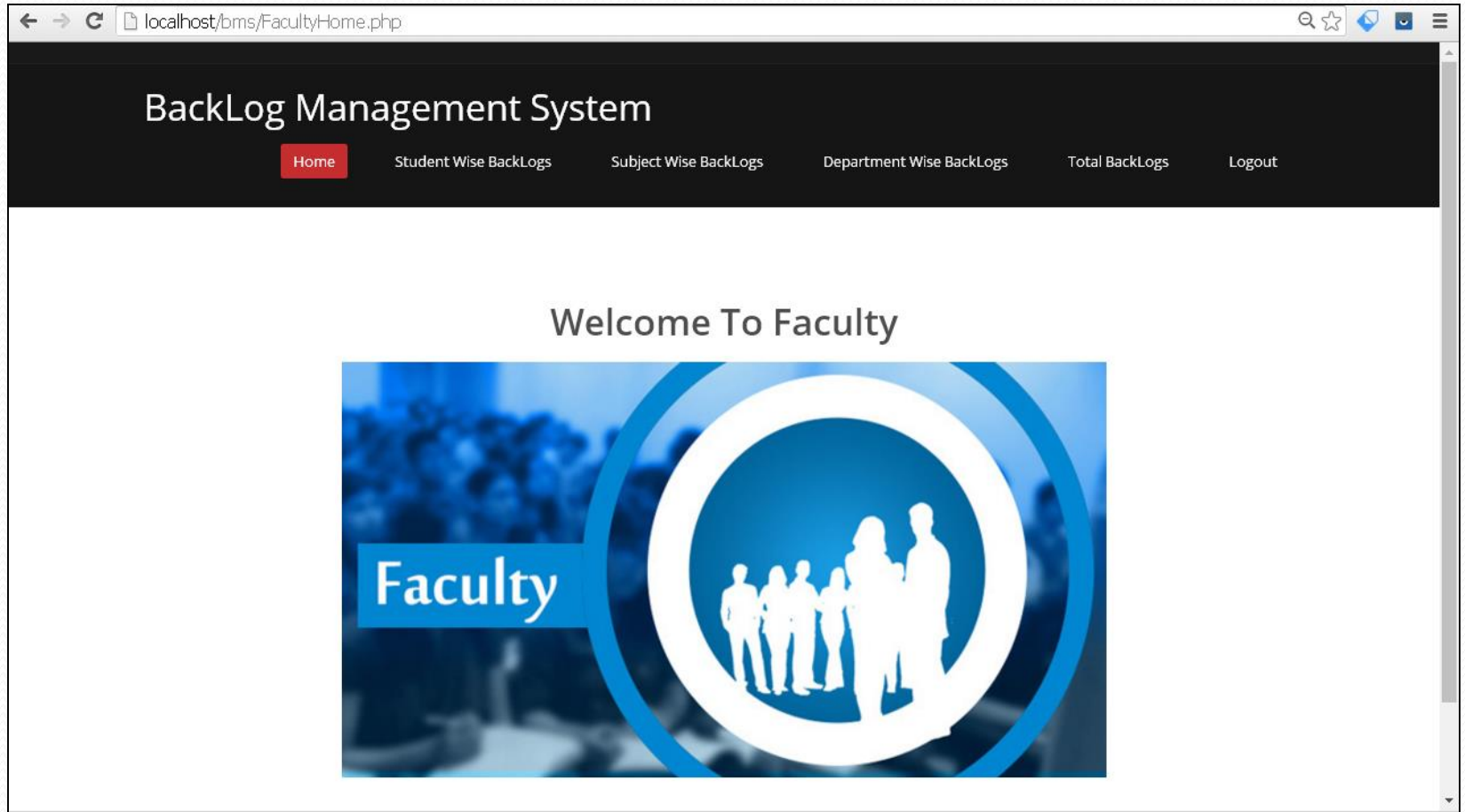
View Total Backlogs List

The screenshot displays the 'BackLog Management System' interface. The main heading is 'View Total BackLogs List'. On the left, there are search filters for 'Regulation *' (set to '15MCA') and 'AcademicYear *' (set to '2015-2016'), with a red 'Search' button below them. On the right, a sidebar menu shows options: 'Student Wise BackLogs', 'Subject Wise BackLogs', 'Department Wise BackLo', and 'Total BackLogs' (which is highlighted in red). The main content area contains a table with the following data:

AcademicYear		Regulation			
2015-2016		15MCA			
DeptName	Semester	Subject Code	Subject Name	RollNo	Name
MBA	1	mba2	finance	158w1f0017	bhagi
MBA	1	mba2	finance	158w1f0020	siva
MBA	3	mba222	consumer relation management	158w1f0031	sahithi
MCA	2	15MCA2205	OPERATING SYSTEMS	158w1f0011	subbu
MCA	2	15MCA2205	OPERATING SYSTEMS	158w1f0012	reddy

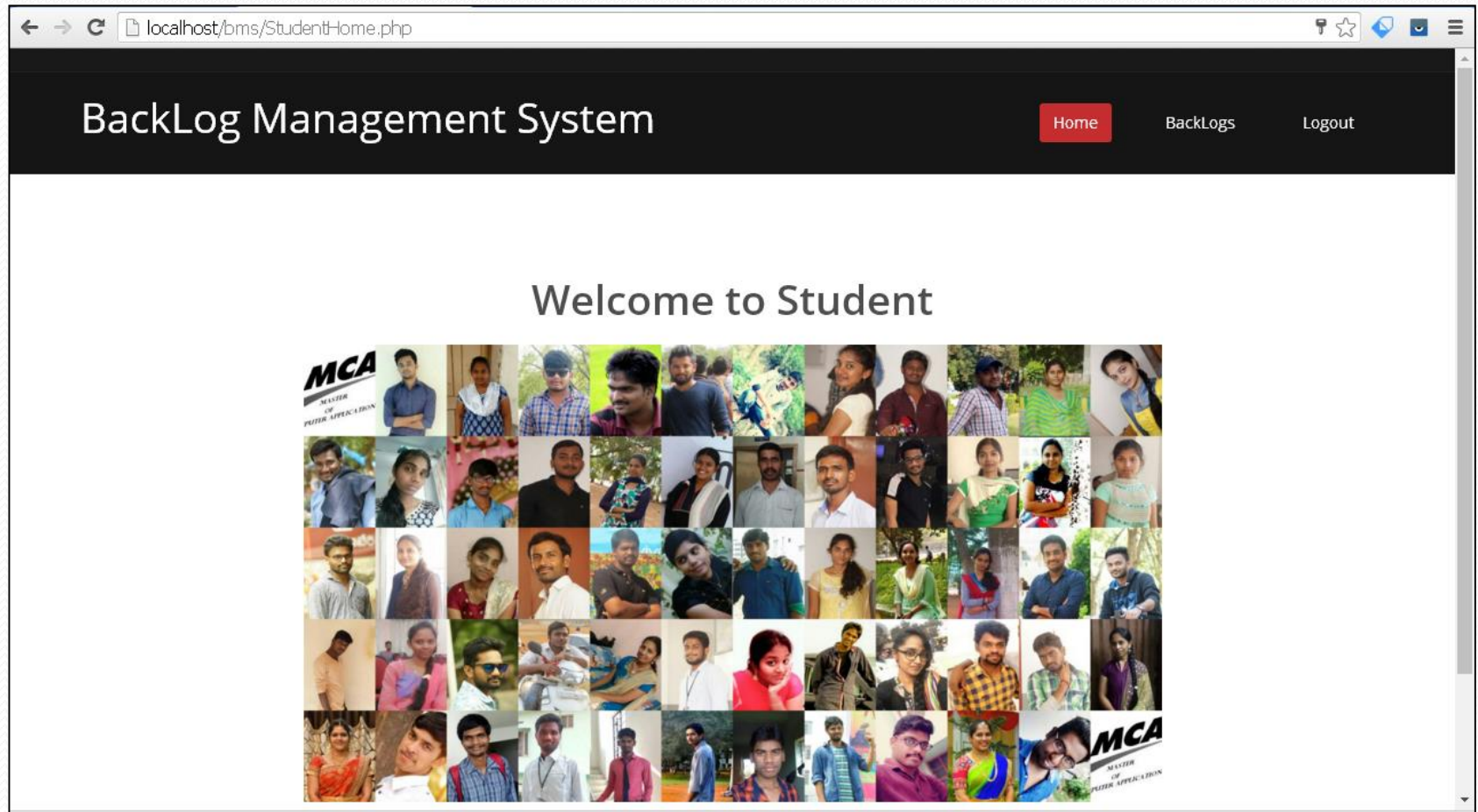
Description: The above Fig shows Total backlogs list. Here search all Backlogs.

Faculty Home page



Description: The above Fig shows Faculty Home page of Backlog Management System.

Student Home page



Description: The above Fig shows Student Home page of Backlog Management System.

Conclusion

The project “Backlog Management System” is a web portal which is useful to store the details of Backlogs. This system managed by the staff of the department. Staff updates the backlog student details along with course details for example Regulation, Department, Subject codes, Subject names etc. So that valuable student data/information can be stored for a longer period of time with easy accessing and manipulation can be done. This project is useful for students and educational institutions for getting the Backlogs in simple manner.

This system generates the reports of the students like subject wise, roll number wise & cumulative. Finally staff can analyze which subjects are frequently failed by students. In this case faculty and students can check the Backlogs whenever they needed.