Adiutor

Mayank Mittal (190030026)
Mohammad Sameer (190010024)
E J V S Sathvik Goud (190010017)

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1 Introduction

Our project adiutor is a handy tool for students and teachers. Our project can be broken into the following points :

events They are reminders for major events that take place in campus. Anyone(student or faculty) can request for events to be posted while only an Event Coordinator can accept or deny the event requests. Event Coordinator is a role which is given to an individual(faculty or student).

deadlines They are reminders for the deadlines of assignments or other things posted by teachers for students to view and manage in their home pages.

room allotment Faculty can view the existing room occupancy info and request a room for a limited time. The requests for the room allotment are handled by the admin.

login There are three modes of login - admin, student and faculty. Event coordinator page can be accessed after a student or faculty login.

2 Programming Languages/Tools

2.1 Web Designing

HTML5 Basic design and other features like forms, tables etc.

Bootstrap CSS For styling the webpages

2.2 Server Side Scripting Language

PHP The language used to interact with database

2.3   Database

MySQL For database management

2.4   HTTP Server

Apache Server(XAMPP) Server for running the PHP files

2.5   Hosting Files and Version-control

GitHub Hosting files, facilitate working with team members and version-control

3   Compatibility of this Project

This project is made and tested on **localhost**. So it is compatible on localhost network provided all the files of this repository are present.

4   Access to Adiutor

Admin is in the database by default. The login credentials of admin are - Username: 69420 and Password: phpmyadmin. Once admin is logged in, he can add students or faculty through an html form. The username is their roll number and their default password is: $role_$roll.no (where $role is student or faculty and $roll.no is the rollnumber of the individual) which can be changed later.

5   Modes of Login

The homepages for admin, faculty, students and event coordinator are all different.

admin Admin can add individuals or courses to the database and can assign event coordinator role to an individual. Admin can also view the room occupancy and accept/deny room requests made by faculty.

student Students can see major events posted in the events page and add them to their homepages with the click of a button. Students have their deadlines and events they added displayed in their homepage.Deadlines have a 'Mark as Done' button which clears the corresponding deadline from the homepage. They can request event coordinator to post an event.

faculty The faculty can view and add deadlines to their courses. Faculty can view deadlines of other courses (taught by other faculty) too. They can view the room occupancy info and send request for a room for a time period. They have their desired events displayed in their homepage.

event coordinator Event Coordinator is a role given to a student or a faculty member. Event Coordinator can view and manage event requests posted by other individuals. The homepage of event coordinator can be accessed from the homepage of a faculty or student.

6 Implementation Files

These are the list of files we used in this project:

init.php, dbcom.php Create a connection with the database

insert.php Insert admin credential entries into the database

login.php, logout.php For login and logout

validate.php Checks if the entered login credentials are valid and if yes, redirects to corresponding homepages

change_pswd.php, change_pswd_helper.php Change the password of an account

home_admin.php Homepage of the admin

admin_view.php Page for admin to view existing accounts

delete.php Used by admin to delete an account

add_individual.php, add_individual_helper.php Here admin can add an individual to the database

add_students.php, student_varification.php These files facilitate admin to add student for a course

event_coordinator.php, event_coordinator_helper.php Admin can view the list of event coordinators, delete an existing event coordinator and add a new event coordinator

admin_room.php Admin can view the room occupancy info here

admin_roomreq.php Admin can manage room requests here

add_courses.php Courses can be added to database by admin

course_validation.php Checks the form data given to add_courses.php

view_courses.php Admin can view the courses in the database

search.php Admin can search for individuals here

delete_course.php Admin can delete a course from the database

home_faculty.php Homepage for faculty

home_student.php Homepage for students

view_events.php Individual can view posted events here and add them to be displayed in his/her homepage

faculty_room.php Faculty can view the room allocation info here

room_req.php Faculty can send a request for a room to the admin here

faculty_courses.php Faculty can view and delete deadlines for the courses they teach

new_deadine.php Faculty can add a new deadline for a course here

deadline_validation.php This page checks the form data for a new deadline

faculty_deadlines.php Here faculty can view deadlines of every course (including courses not taught by them)

home_eventco.php Homepage of event coordinator

add_events.php Event coordinator can add new events here

event_req.php Event coordinator can view requests of events posted by others which can be accepted or denied

eventco_view.php Event coordinator can view existing posted events which can be deleted

7 Database

A single database called "adiutor" was used for storing data. Different tables part of this data base are show below:

individual This table stores the basic information of all individuals

$rollno_events This table stores the events that the individual with $rollno as roll number added to his homepage

rooms The table that stores room occupancy data

room_reqs This table is for storing room requests

$rollno_deadlines This table stores the deadlines added by the faculty for his course where $rollno as his roll number

events The table for storing all the posted evens

event_reqs The table for storing the event requests made by individuals

courses The table for storing the info about all available courses

$rollno_course It stores the student info who take the course taught by the faculty whose roll number is $rollno

7.1 Columns for the above mentioned tables

The columns of the tables are as shown in the below figures:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	unique_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	title	text	utf8mb4_general_ci		No	None			Change Drop More
3	description	text	utf8mb4_general_ci		No	None			Change Drop More
4	datetime	datetime			No	None			Change Drop More

Figure 1: Columns for events, $rollno_events and event_reqs tables

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	unique_id	int(255)			No	None		AUTO_INCREMENT	Change Drop More
2	name	varchar(300)	utf8mb4_general_ci		No	None			Change Drop More
3	roll_no	bigint(11)			No	None			Change Drop More
4	password	varchar(32)	utf8mb4_general_ci		No	None			Change Drop More
5	role	varchar(11)	utf8mb4_general_ci		No	None			Change Drop More
6	event_array	mediumtext	utf8mb4_general_ci		No	None			Change Drop More

Figure 2: Columns for individual table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	unique_id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	date	date			No	None			Change Drop More
3	room_no	int(11)			No	None			Change Drop More
4	from_time	time			No	None			Change Drop More
5	to_time	time			No	None			Change Drop More
6	owner	text	utf8mb4_general_ci		No	None			Change Drop More

Figure 3: Columns for rooms and room_reqs tables

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id 🔑	int(255)			No	None		AUTO_INCREMENT	🖊 Change ⊖ Drop ▼ More
2	name	varchar(255)	utf8mb4_general_ci		No	None			🖊 Change ⊖ Drop ▼ More
3	instructor	varchar(255)	utf8mb4_general_ci		No	None			🖊 Change ⊖ Drop ▼ More
4	roll_number	varchar(255)	utf8mb4_general_ci		No	None			🖊 Change ⊖ Drop ▼ More

Figure 4: Columns for courses table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id 🔑	int(6)		UNSIGNED	No	None		AUTO_INCREMENT	🖊 Change ⊖ Drop ▼ More
2	name	varchar(30)	utf8mb4_general_ci		No	None			🖊 Change ⊖ Drop ▼ More
3	roll_no	varchar(30)	utf8mb4_general_ci		No	None			🖊 Change ⊖ Drop ▼ More
4	unique_id	int(11)			No	None			🖊 Change ⊖ Drop ▼ More

Figure 5: Columns for $rollno_course table

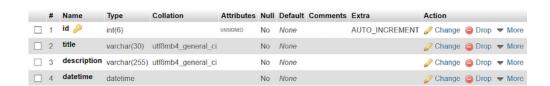| #	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id 🔑	int(6)		UNSIGNED	No	None		AUTO_INCREMENT	🖊 Change ⊖ Drop ▼ More
2	title	varchar(30)	utf8mb4_general_ci		No	None			🖊 Change ⊖ Drop ▼ More
3	description	varchar(255)	utf8mb4_general_ci		No	None			🖊 Change ⊖ Drop ▼ More
4	datetime	datetime			No	None			🖊 Change ⊖ Drop ▼ More

Figure 6: Columns for $rollno_deadlines table