

A MINI PROJECT REPORT ON
CO-CURRICULAR EVENT MANAGEMENT SYSTEM

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN THE PARTIAL
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BY

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CERTIFICATE

This is to certify that the project report entitled

CO-CURRICULAR EVENT MANAGEMENT SYSTEM

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is a bona fide work carried out by them under the supervision of Prof. R. B. MURUMKAR and it is approved for the fulfillment of the requirement of Savitribai Phule Pune University for the award of the Degree of Bachelor of Engineering (Information Technology)

This project report has not been earlier submitted to any other Institute or University for the award of any degree or diploma.

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Date:

ABSTRACT:

The main aim of this project is to keep track of the various co-curricular activities taking place in the PICT. This project helps to create awareness among the college students about the various activities happening in their college. It simply allows all the event coordinators to give a brief about their respective events and to manage the students who want to either participate in the event or help organize it.

The users like Event Administrators, College Students, Super Administrators are involved in this project. Each and every user has different access rights depending on their requirements.

The students of PICT are able to get all the information about the event like the Event Details, Start Date, End Date, Event Duration as well as any updates related to the events they are interested

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1. INTRODUCTION

With the advancement in the technology most of the things have started being available online, which saves the time of the user. PICT Connect makes a conscious effort to give necessary information about various co-curricular activities taking place in PICT to the user. So with the help of PICT Connect, we as a user will be able to see the information of all the co-curricular activities according to our area of interest.

The user can then choose to either be a part of the organizing team of the event or take part in the event as a participant.

1.1 Purpose:

The purpose of this mini-project is to help the students of the institute to register for any co-curricular event as a volunteer or a participant efficiently.

The Co-curricular event management system will reduce the paper work and the work load of all the users.

1.2 Scope:

This project is a complete solution for the co-curricular activities' management.

There are total 3 users involved in this project and they are Super Admin, Admin and Student.

The following things describe the scope of this project:

1. The rights of the Super Admin are as following:-
 - a) Add new admin.
 - b) Update events.
 - c) Manage all events.
 - d) Print Event details.
2. The rights of the Admin are as following:-
 - a) Accept/Pending/Decline requests.
 - b) Update events details.
3. The rights of the Student are as following:-
 - a) Register for event as a volunteer or/and a participant.
 - b) Update his/her personal interests.

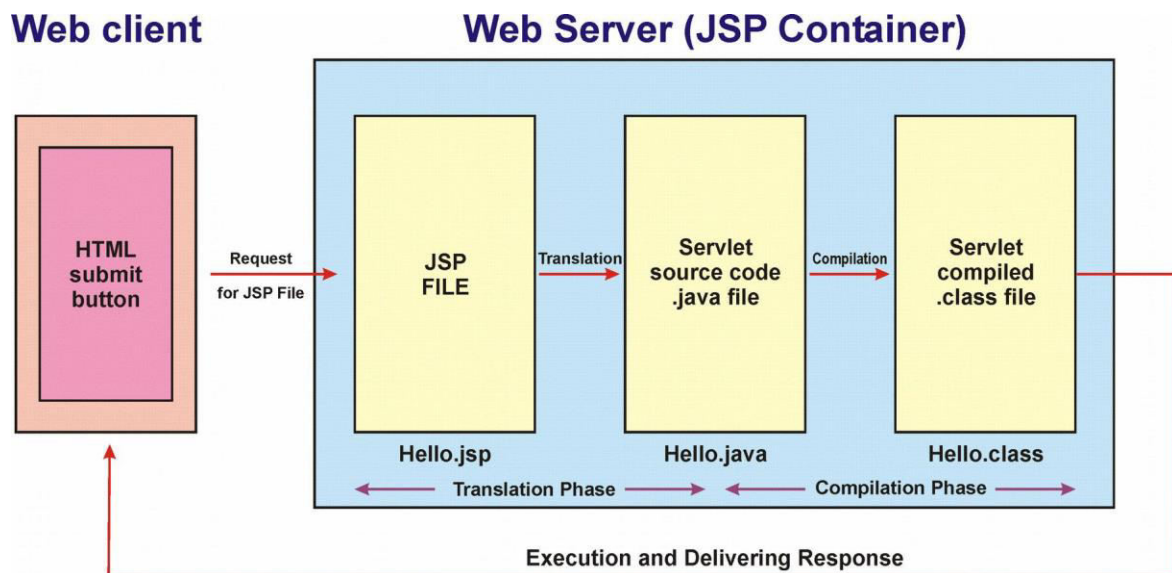
- c) View event details according to his interests.
- d) View all events he was a part of.
- e) View all events.

1.3 Definition:

PICT Connect is a platform from which any student studying in PICT can get knowledge about various co-curricular events happening in PICT and can register for these events either as a part of the Organizing Committee or as a Participant with ease.

1.3.1 Java Server Pages

JSP technology is used to create dynamic web applications. JSP pages are easier to maintain than a Servlet. JSP pages are opposite of Servlets as a servlet adds HTML code inside Java code, while JSP adds Java code inside HTML using JSP tags. JSP pages are converted into Servlet by the Web Container. The Container translates a JSP page into servlet class source(.java) source(.java) file and then compiles into a Java Servlet class

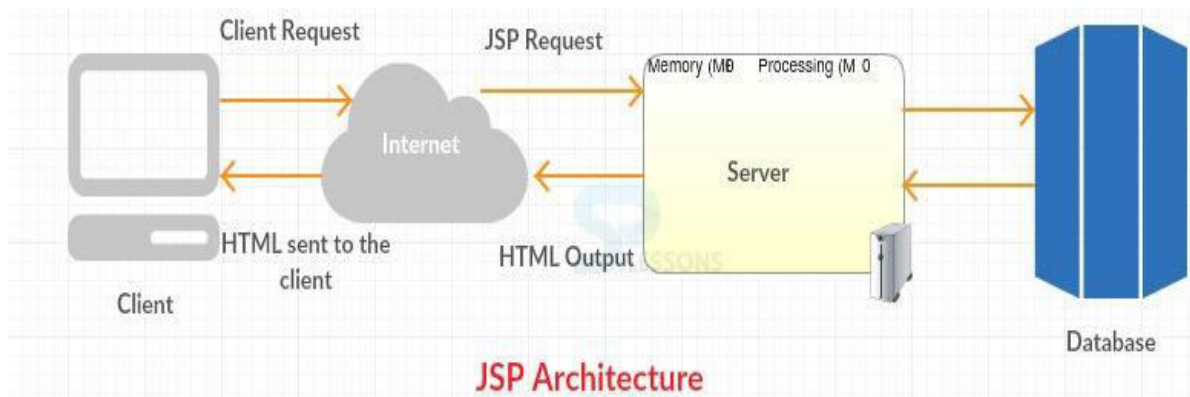


1.3.2 Client- Server Architecture

- 1.The user goes to a JSP page and makes the request via internet in user's web browser.
- 2.The JSP request is sent to the Web Server.
3. Web server accepts the requested.jsp file and passes the JSP file to the JSP Servlet Engine.

4.If the JSP file has been called the first time then the JSP file is parsed otherwise servlet is instantiated. The next step is to generate a servlet from the JSP file. The generated servlet output is sent via the Internet from web server to users web browser.

5.Now in last step, HTML results are displayed on the users web browser.



The **.class** file of Servlet is executed by the JSP container and the output of execution is sent to client as response. If the same JSP file is not used again, the **.class** file is deleted. If used again and often, the **.class** file is **retained** by the container for further usage without the need of second time translation and compilation. This is to increase the **performance**.

1.4 References:

- a) www.w3schools.com
- b) www.stackoverflow.com
- c) Database System Concepts- Textbook by Avi Silberschatz, Henry F. Korth and S. Sudarshan.

1.5 Developer's Responsibilities: An Overview

Each and every project has its own needs and the size of the project totally depends on how many users are going to use this project. So as a developer of this mini-project we have made sure that all the functionalities are working of this project according to the requirement specified, all the validations are done properly, and the project completed on time.

Our main focus was to make the system user friendly so that there will be no difficulty for the users to use our system and also to reduce the paper work\

2. GENERAL DESCRIPTION:

2.1 Product Function Perspective:

PICT Connect aims at making the process of viewing the various events happening in PICT easier and also eases the process of registering for these events. It is an attempt to fit in the paradigm shift from the traditional method based procedure of manually going to the registration desk or contacting the concerned person to either gain knowledge about an event, request to work as a volunteer for the event or participate in the event.

Using this platform, the user can select his/her interest based on which the events will be shown to him/her allowing the user to participate in the desired event with ease.

2.2 User Characteristics:

- Super Admin - View status of all the events, add interests, add event and add admins.
- Admin - Edit Event details, Accept or Decline user requests to join event as volunteer or participant.
- Student - Add his/her interests, View Event Details, Make request to join the event as volunteer or participant.

2.3 General Constraints:

- Receipt generation/billing statements after student participates in event is not included.
- User cannot cancel his/her request as of now.
- Currently website is deployed on local host.

3. SPECIFIC REQUIREMENTS:

3.1 Inputs and Outputs:

- a) User registration for the student using his/her registration number.
- b) Various interests for a student to select from.
- c) Event details.
- d) Rejection of requests by event administrator (if any).
- e) Printing of the entire events details by Super Administrator.

3.2 Functional Requirements:

- 1) Login:
Precondition: Sign up with required details.
Post condition: User Account is successfully created.
- 2) Modify Profile:
Precondition: User must be logged in to fill up the details to modify.
Post condition: Profile is modified successfully.
- 3) Viewing Report:
Precondition: Super Admin should have a user profile and must be logged in.
Post condition: Will be able to view all event's details and can print it in a pdf format.

3.3 Functional Interface Requirements:

- 1) Buttons are provided on the landing page to login.
- 2) Landing page has a navigation bar which redirects to pages like My Profile, My Events, Logout. It also greets the user with his/her username.
- 3) Forms are integrated for Sign in, Sign up, Modify Profile, Edit Events, Add Admin, Add Event.

3.4 Performance Constraints:

The Co-Curricular Event Management System can be accessed on PCs with internet connection. The performance with respect to speed depends upon the strength/presence of a good internet connection. The system cannot be accessed through a domain URL, since it is accessed via the local host.

4. SYSTEM DESIGN

4.1 EER Model:

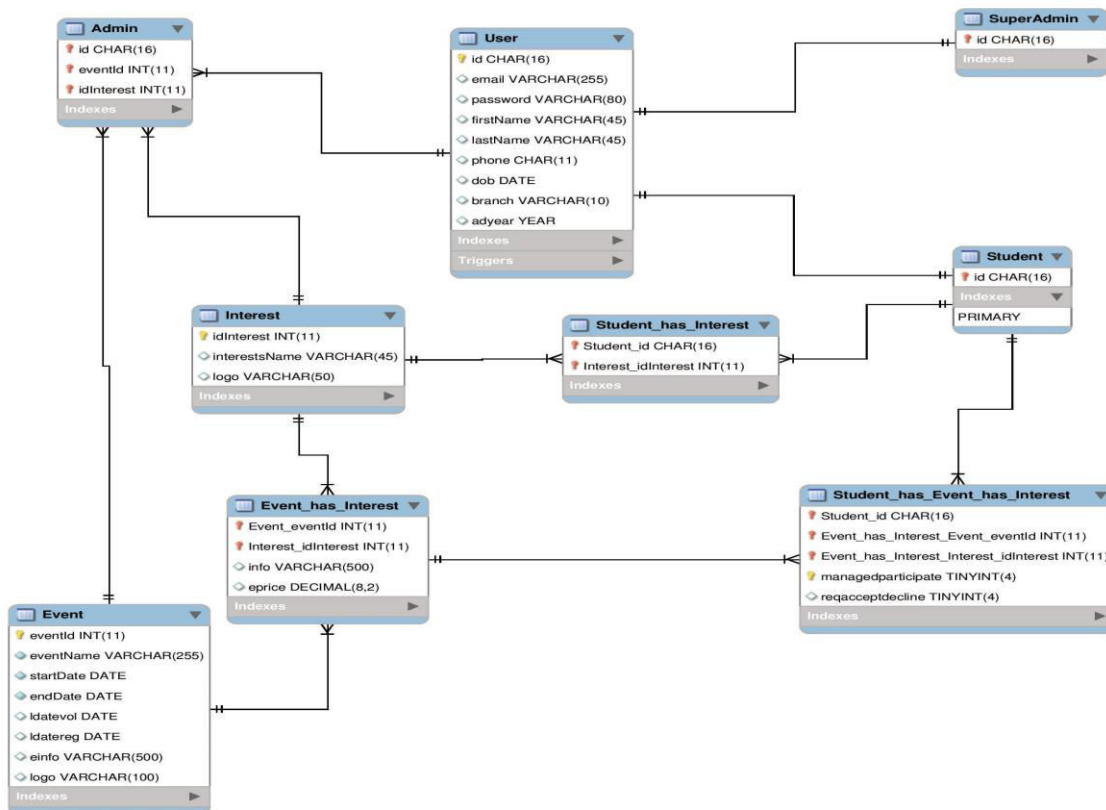


Fig 4.1 (EER diagram of PIconnect)

4.2 Table definitions:

Field	Type	Null	Key	Default	Extra
id	char(16)	NO	PRI	NULL	
email	varchar(255)	YES		NULL	
password	varchar(80)	YES		NULL	
firstName	varchar(45)	YES		NULL	
lastName	varchar(45)	YES		NULL	
phone	char(16)	YES		NULL	
dob	date	YES		NULL	
branch	varchar(45)	YES		NULL	
adyear	year	YES		NULL	

Field	Type	Null	Key	Default	Extra
id	char(16)	NO	PRI	NULL	
eventId	int(11)	NO	PRI	NULL	
idInterest	int(11)	NO	PRI	NULL	

**Fig 4.2.1)
User Table**

Fig 4.2.2) Admin Table

Field	Type	Null	Key	Default	Extra
id	char(16)	NO	PRI	NULL	

Fig 4.2.3) SuperAdmin Table

4.3 Activity Diagram :

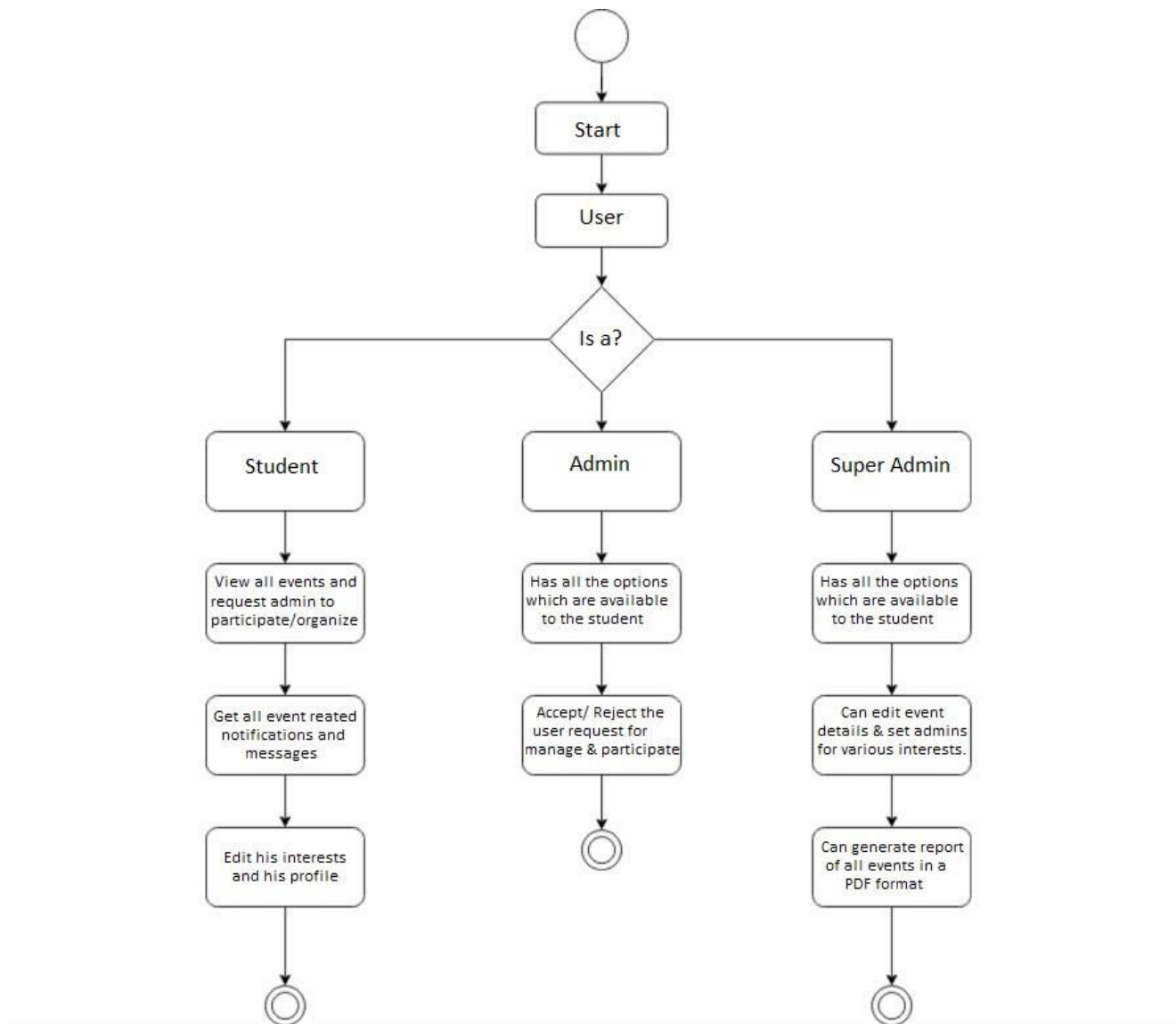


Fig 4.3 Activity Diagram

4.4 User Interface design (snapshots)

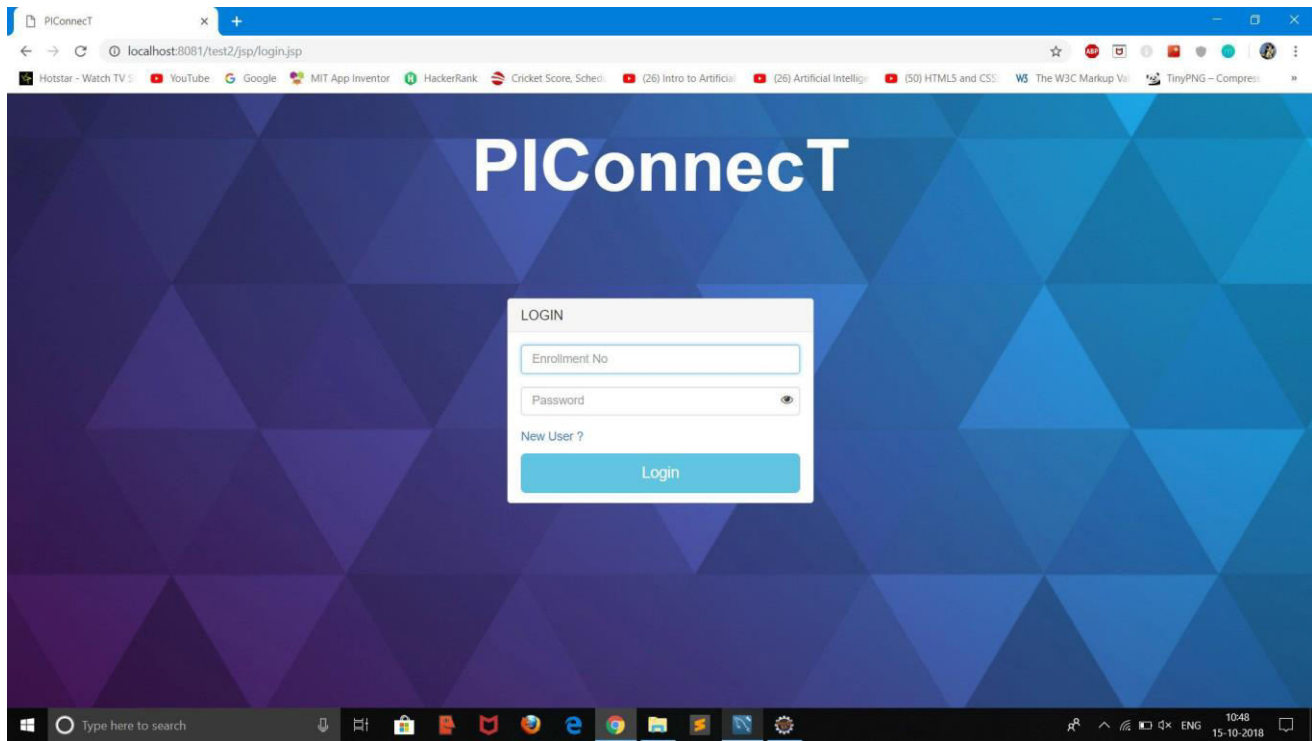


Fig 4.4.1 Login

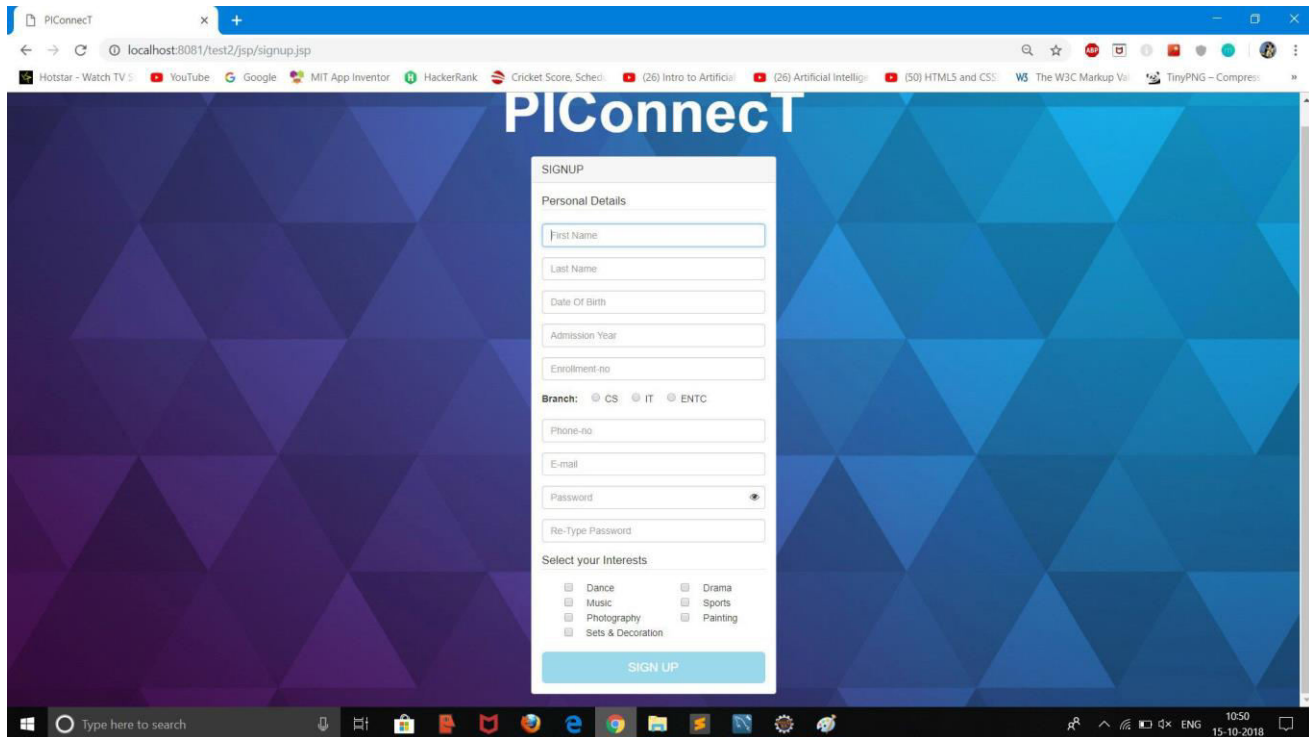


Fig 4.4.2 Sign Up

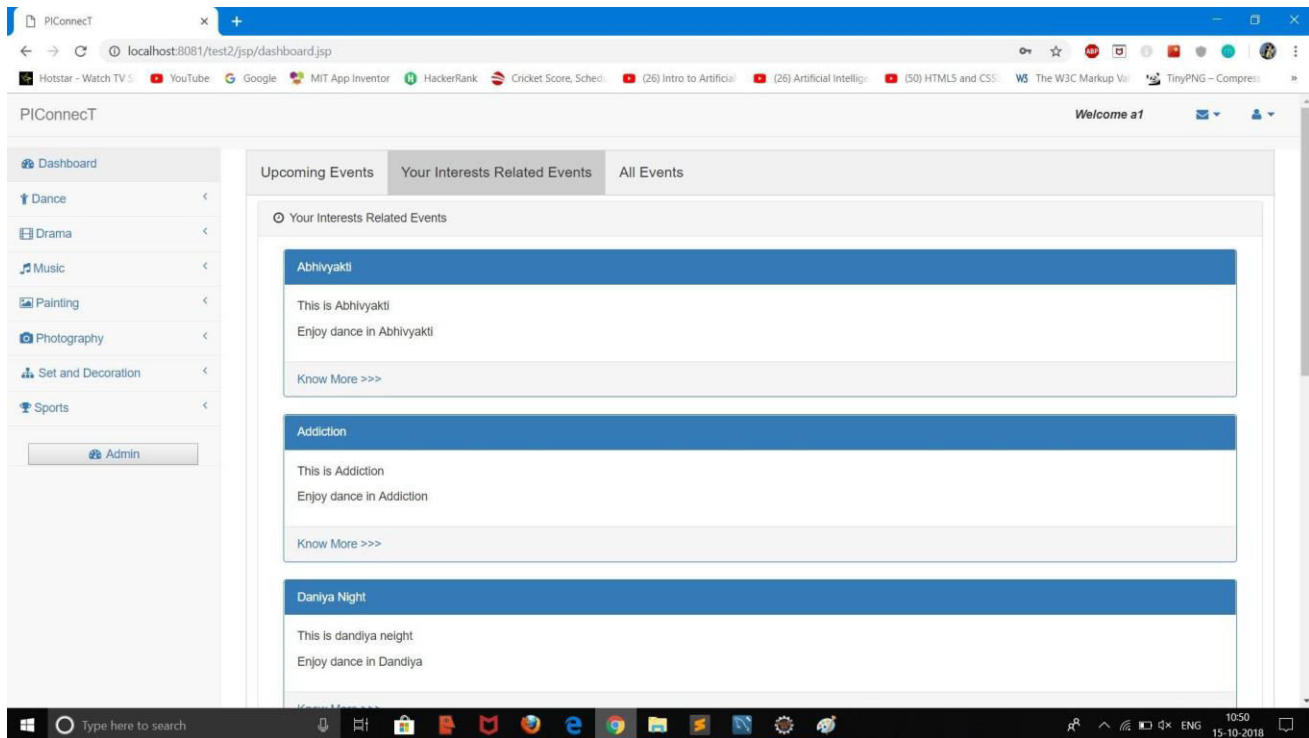


Fig 4.4.3 Dashboard

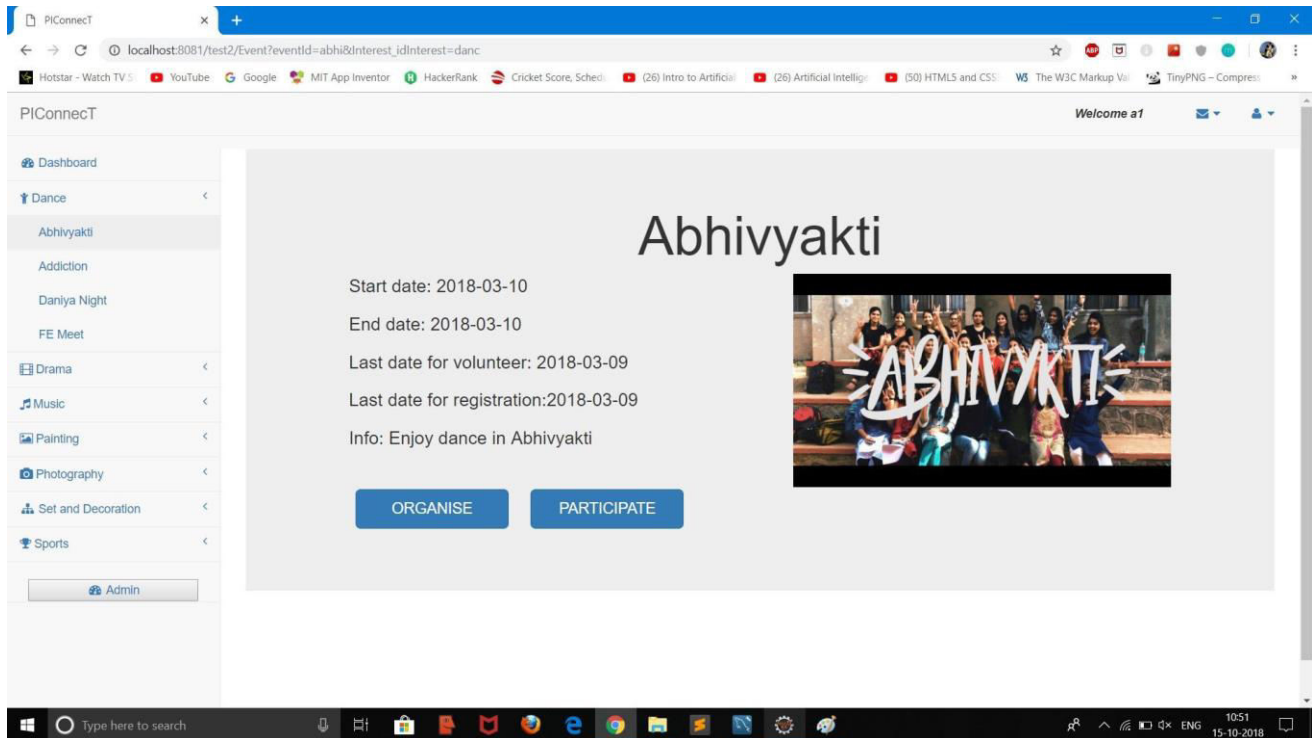


Fig 4.4.4 Event

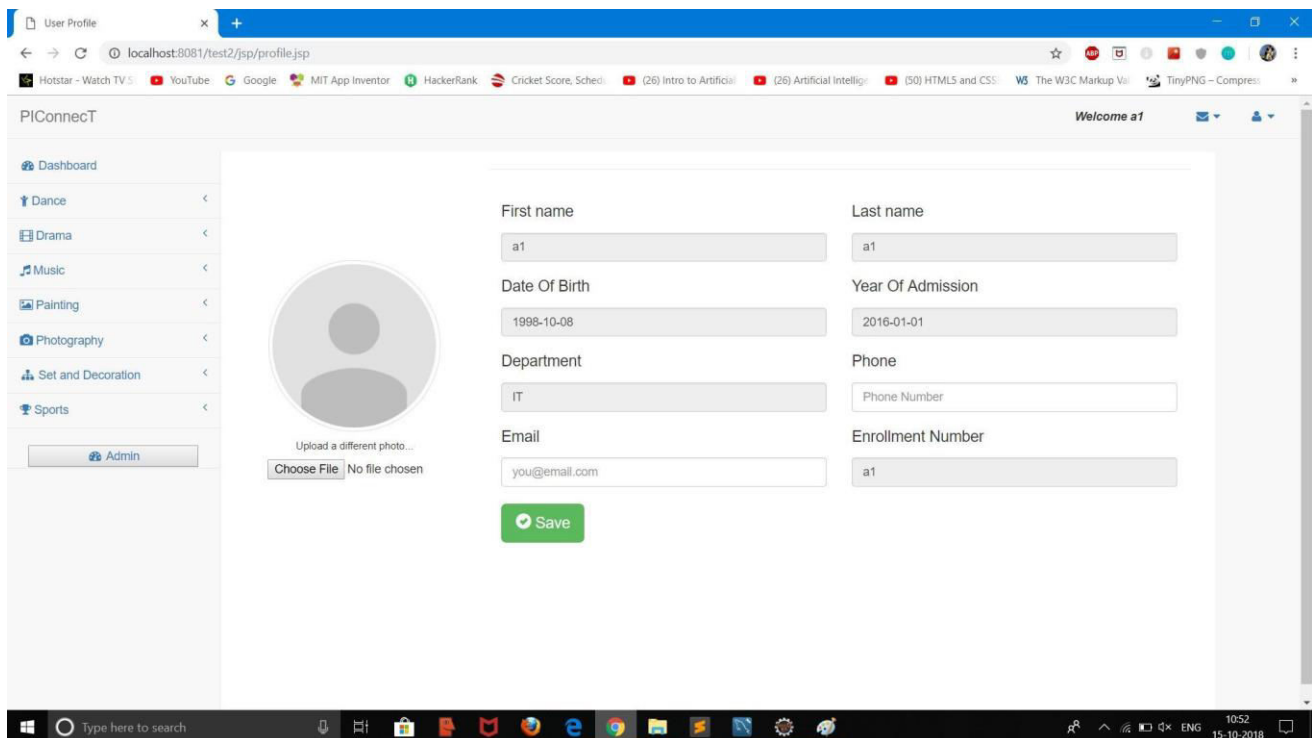


Fig 4.4.5 User Profile

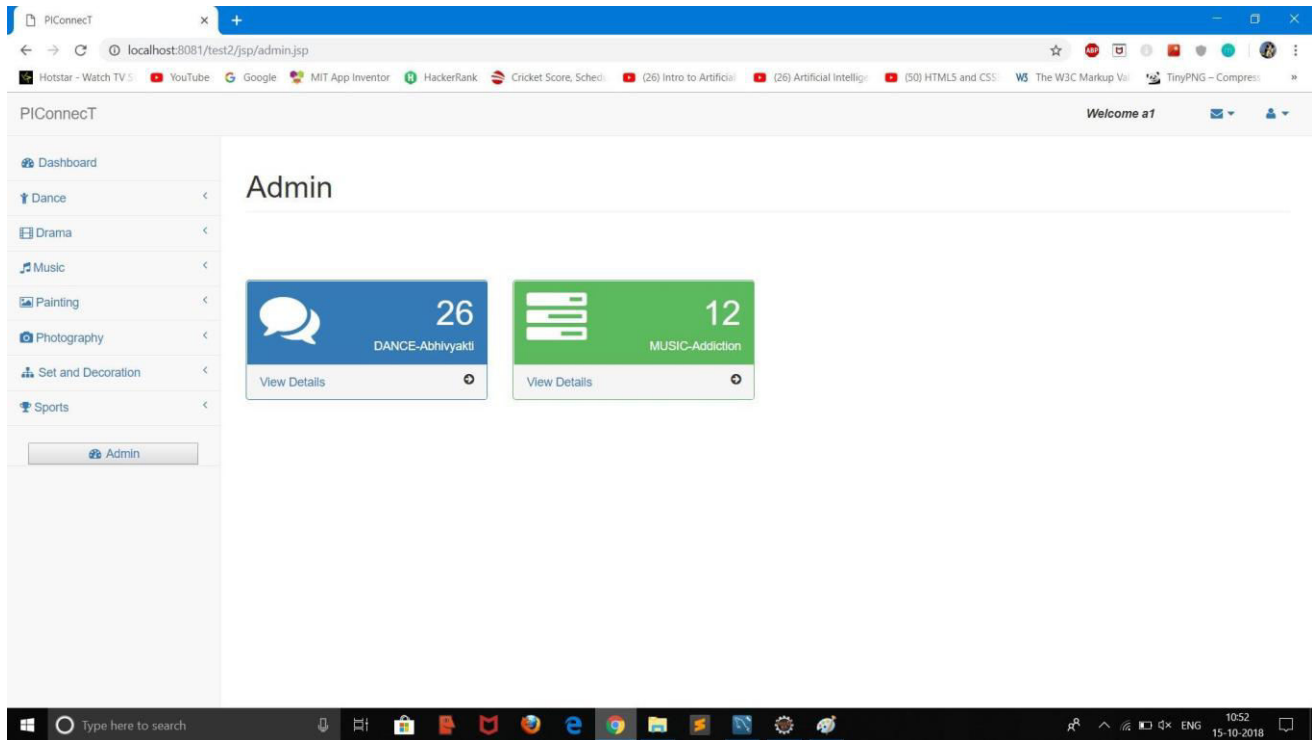


Fig 4.4.6 Admin

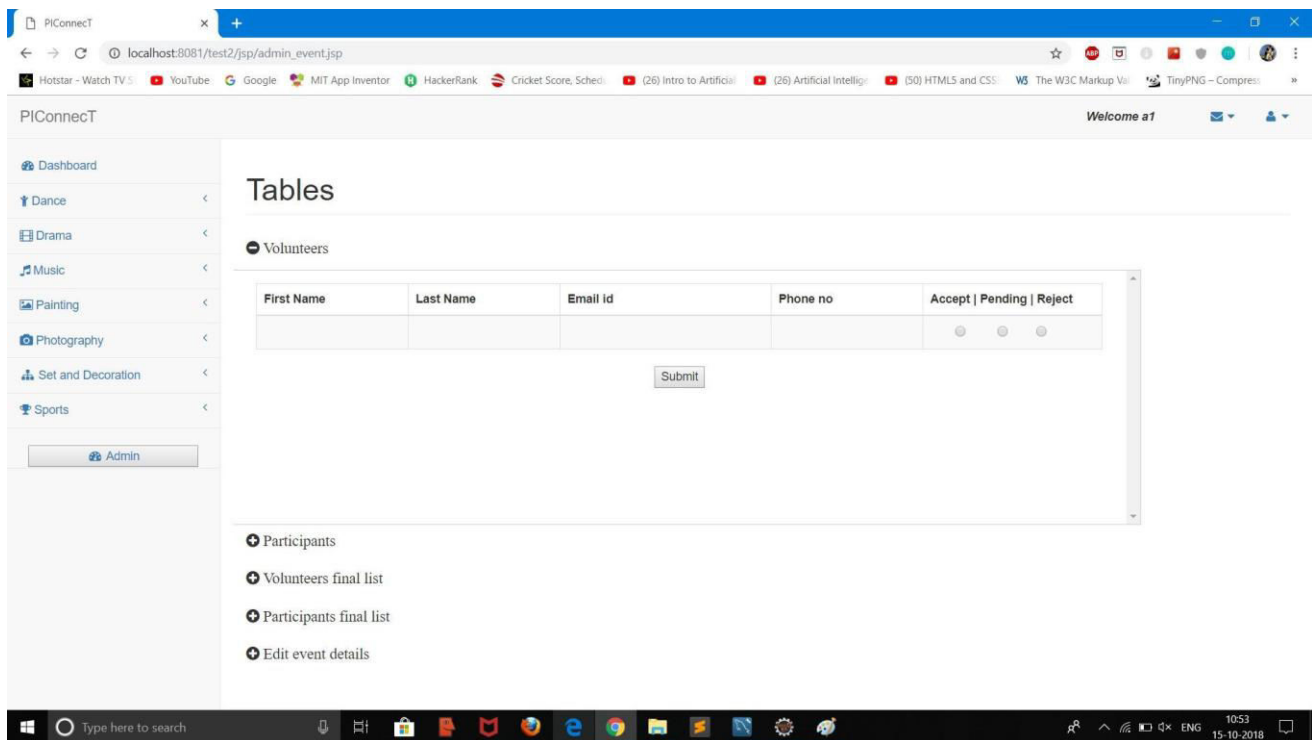


Fig 4.4.7 Admin Event

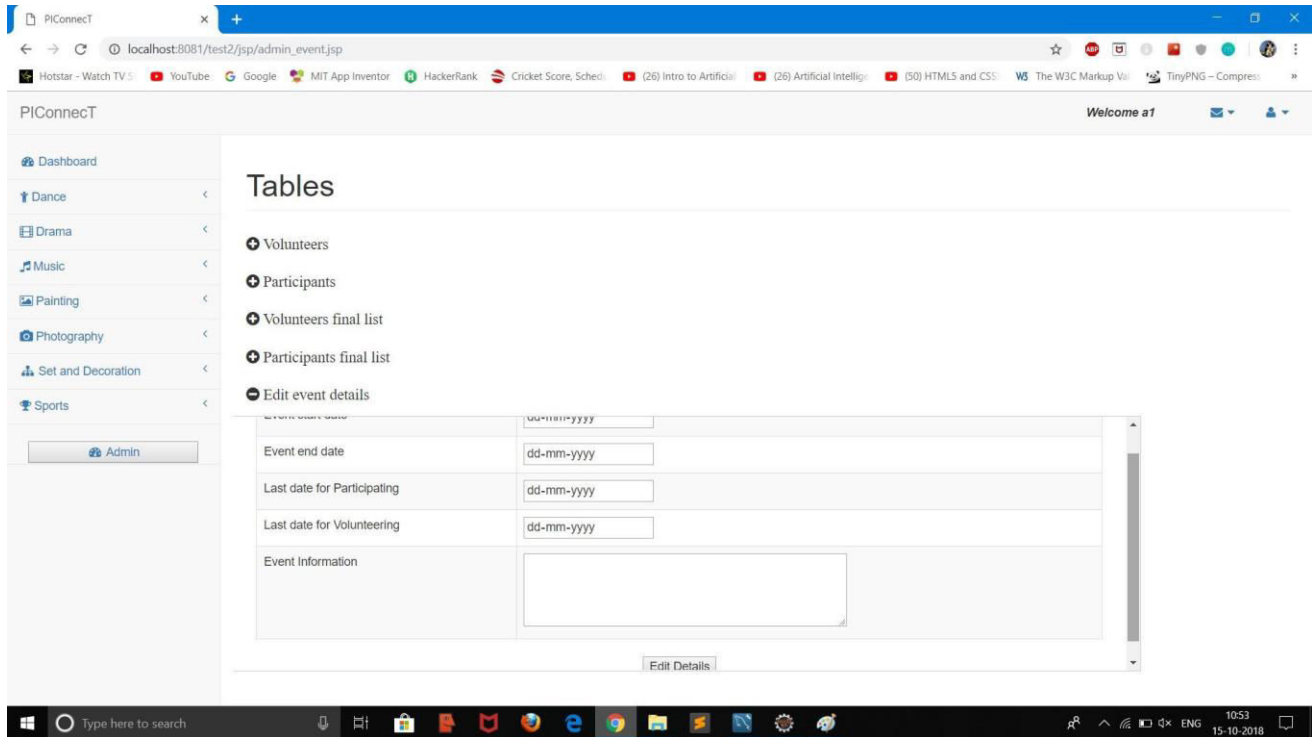


Fig 4.4.8 Edit Event Details

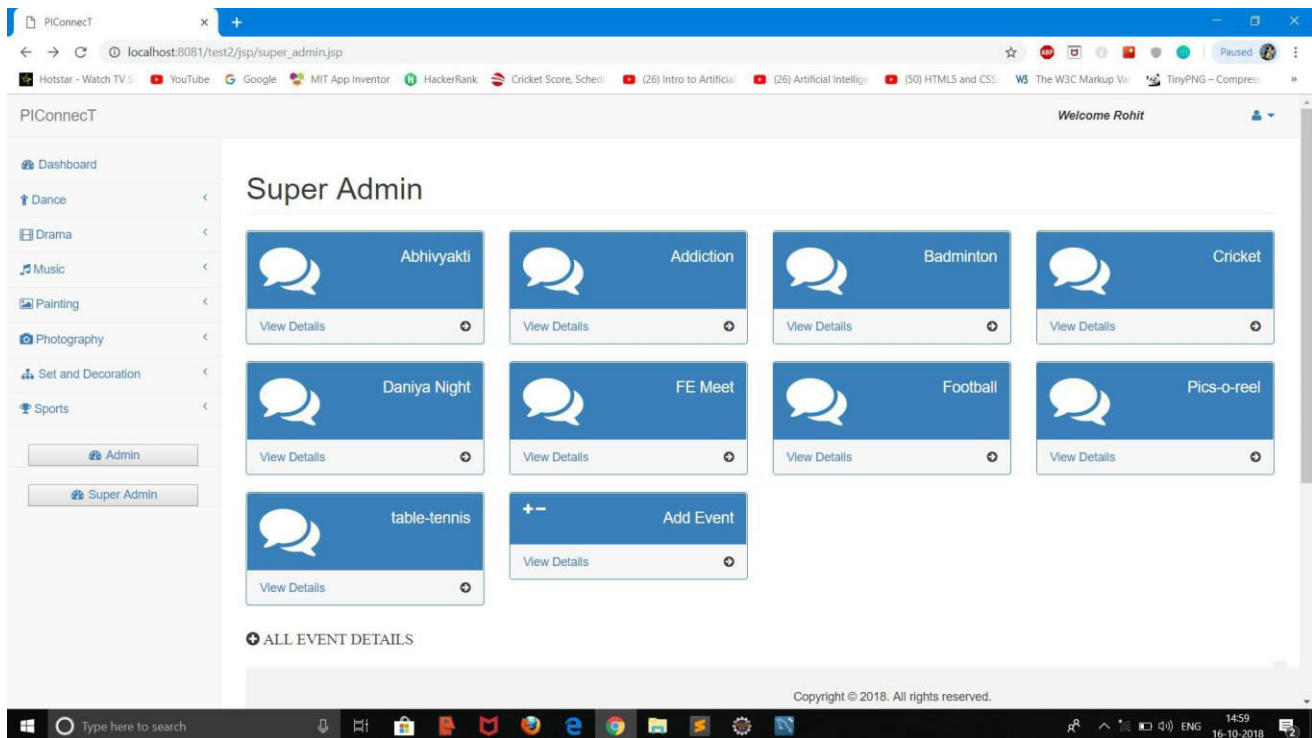


Fig 4.4.9 Super Admin

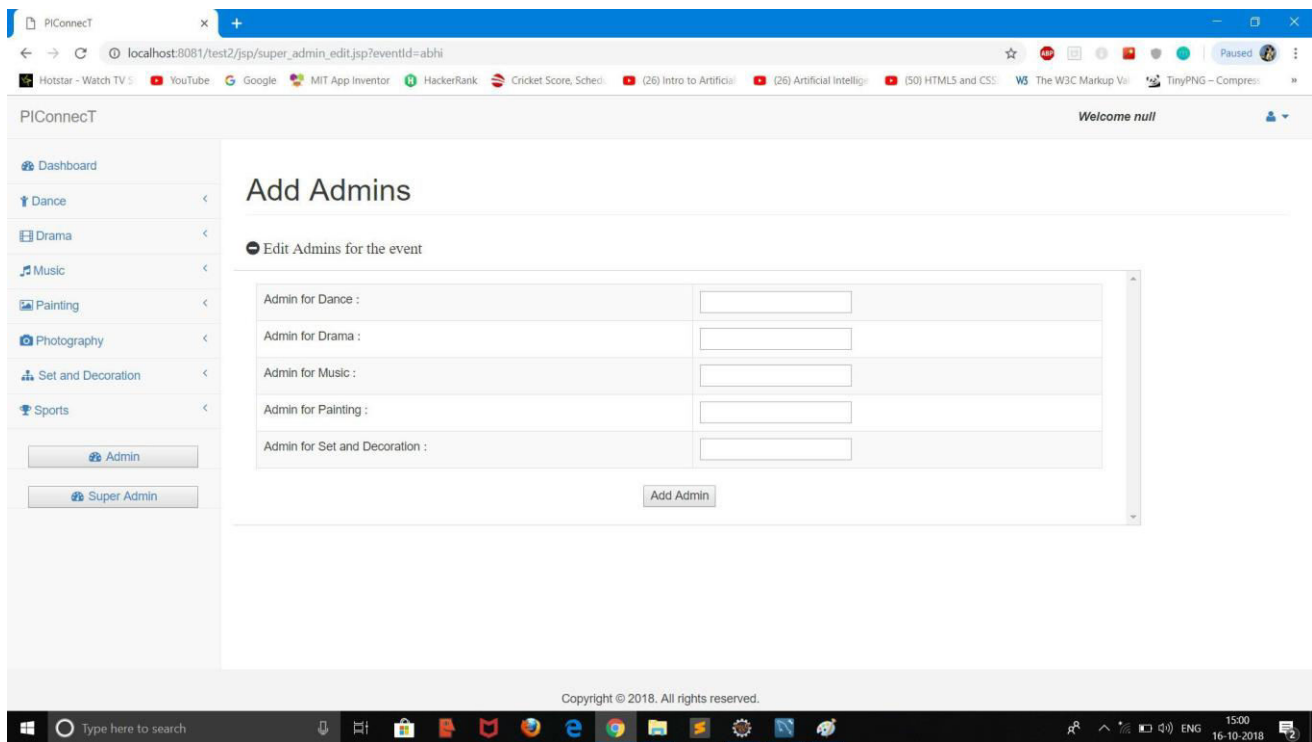


Fig 4.4.10 Add Admin

4.5 Error

Messages/Alert Design:

- a) A Message is displayed on unsuccessful login.
- b) A message is displayed if the user tries to manage/participate for an event past its date.
- c) An error message is printed if the user enters wrong information while registering.
- d) An error message is displayed if the Admin adds the last date of an event before its start date.

Test Case No	Test Scenario	Test Steps	Test Data	Expected result	Actual Result	Pass/Fail
1)	Check “PICConnect” Click	1)Click on “PICConnect” on side	On click Event	Must Go to dashboard page.	As Expected	Pass
2)	Check User login with valid data	1)Go to login 2)Enter Use- Id 3)Enter- Password 4)Click	User Id: I2K16102154 Password- 123456	User should login successfully	As expected	Pass
3)	Check User login with invalid data	1)Go to login 2)Enter Use- Id 3)Enter- Password 4)Click	User Id: I2K16102154 Password-564	User should not login successfully	As expected	Pass
4)	Check Update profile With valid data	1)GO to User profile 2)Edit phone number. 3)Edit email- id. 4)Click on Save	Profile which is already log in User Id: I2K16102154 Password- 123456	User should update profile successfully	As expected	Pass
5)	Check Add event last date before start date of an event.	1)Login SuperAdmin. 2)Click A 3)Enter details. 4)Click submit button	Start Date : 2018-12-10 End Date : 2018-11-10 User Id: C2K1612000 Password- 123456	The last date of an event should be after the start date.	As expected	Pass

4.6 Test case design and execution

5. SYSTEM IMPLEMENTATION

5.1 Hardware and Software used:

1. System with minimum requirements as follows:

- a) Pentium IV processor
- b) Color monitor

2. Software used:

- a) Linux OS: Ubuntu used
- b) Eclipse

5.2 Tools used:

- a) HTML, CSS
- b) Javascript.
- c) JSP.

5.3 Future work/Extension:

- 1. Payment portal can be included .
- 2. Notifications via email can be send for various activities related to Events .

Conclusion

The three parts which are essential for this project are User interface, creation of relational database and SQL engine. The Project is entirely based on database management system concepts. The back-end use for project is MySql JSP and front-end is CSS and HTML. The Coding of SQL queries are done through JSP, CSS and HTML, CSS is properly done. The project is very feasible.

The software engineering concepts are used to implement the project. The requirement analysis is understood and done for this project.

Field	Type	Null	Key	Default	Extra
id	char(16)	NO	PRI	NULL	

Fig 4.2.4) Student Table

Field	Type	Null	Key	Default	Extra
eventId	int(11)	NO	PRI	NULL	auto_increment
eventName	varchar(255)	NO		NULL	
startDate	date	NO		NULL	
endDate	date	NO		NULL	
ldatevol	date	YES		NULL	
ldatereg	date	YES		NULL	
einfo	varchar(500)	YES		NULL	
logo	varchar(100)	YES		NULL	

**Fig 4.2.5)
Event
Table**

Field	Type	Null	Key	Default	Extra
idInterest	int(11)	NO	PRI	NULL	auto_increment
interestsName	varchar(45)	YES		NULL	
logo	varchar(50)	YES		NULL	

Fig 4.2.6) Interest Table

Field	Type	Null	Key	Default	Extra
Event_eventId	int(11)	NO	PRI	NULL	
Interest_idInterest	int(11)	NO	PRI	NULL	
info	varchar(500)	YES		NULL	
eprice	decimal(8,2)	YES		NULL	

Fig4.2.7)Event_has_Interest Table

Field	Type	Null	Key	Default	Extra
Student_id	char(16)	NO	PRI	NULL	
Interest_idInterest	int(11)	NO	PRI	NULL	

Fig 4.2.8) Student_has_Interest Table

Field	Type	Null	Key	Default	Extra
Student_id	char(16)	NO	PRI	NULL	
Event_has_Interest_Event_eventId	int(11)	NO	PRI	NULL	
Event_has_Interest_Interest_idInterest	int(11)	NO	PRI	NULL	
managedparticipate	tinyint(4)	NO	PRI	NULL	
reqacceptdecline	tinyint(4)	YES		NULL	

_has_Event_has_Interest Table

**Fig
4.2.9)
Student**