



Inspiring Excellence

CSE370 : Database Systems
Project Report
Project Title : Concert Ticket Management

Group No : 05, CSE370 Lab Section : 15, Spring 2024		
ID	Name	Contribution
22141026	Adnan Al Sayeed Sihab	My Profile, Admin
22101862	Trisheetta Jahan Azad	Homepage, About us, Forgot Password
22301636	Nishat Annan Mim	Login, Signup
22101897	Mehedi Hassan Alif	Purchase Tickets, Payment
20201060	Sabiha Salam Ayesha	Concert Management

Table of Contents

Section No	Content	Page No
1	Introduction	3
2	Project Features	3
3	ER/EER Diagram	4
4	Schema Diagram	5
5	Frontend Development	6
6	Backend Development	15
7	Source Code Repository	20
8	Conclusion	20
9	References	22

Introduction

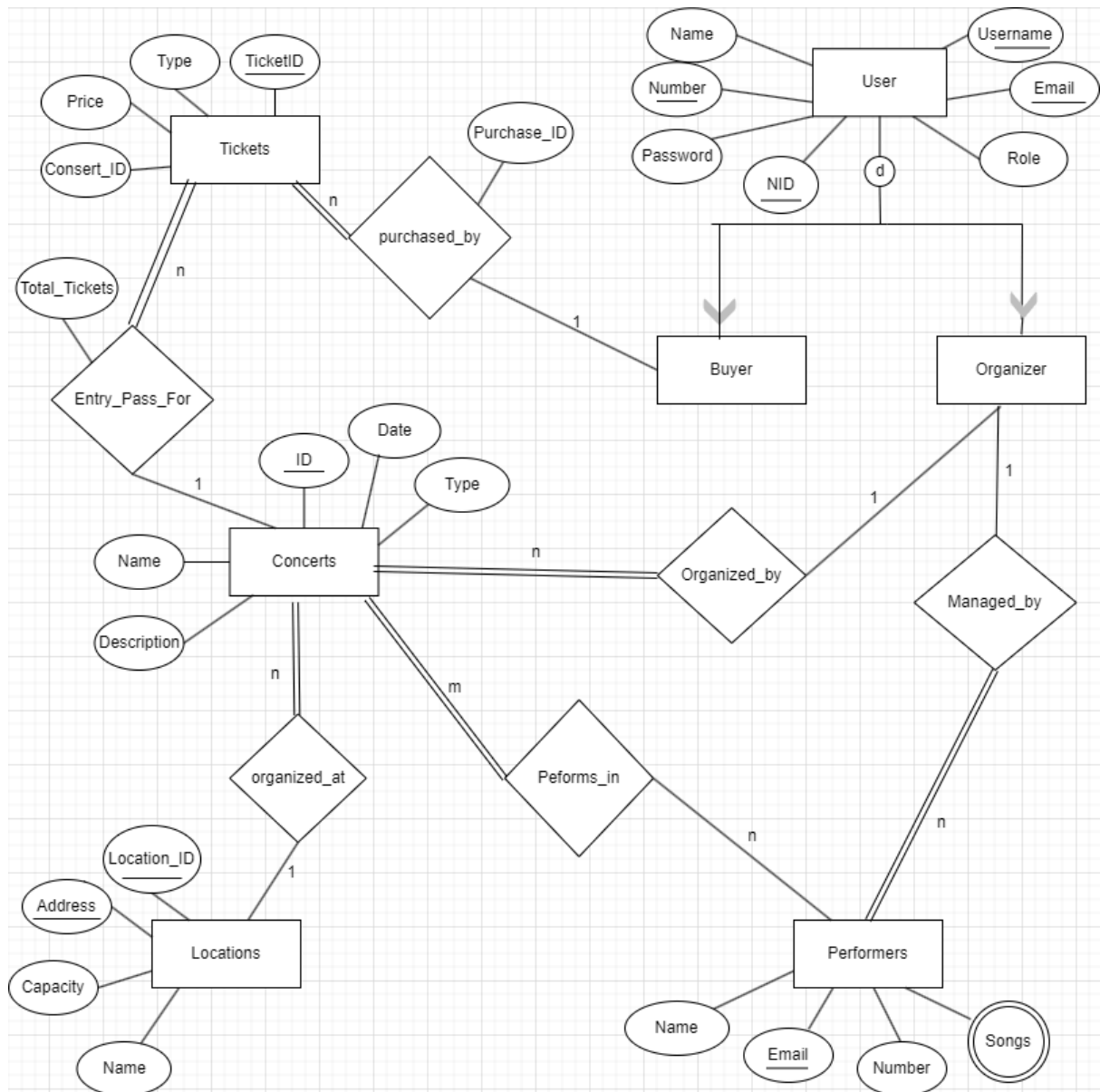
Welcome to LetsChill! This is a website where you can buy tickets and keep track for all the upcoming concerts.

This website features a way to buy concert tickets, information about many music acts, and details about upcoming concerts. To develop the website, we used HTML, CSS, PHP, and Javascript. Mysql is used to create the database.

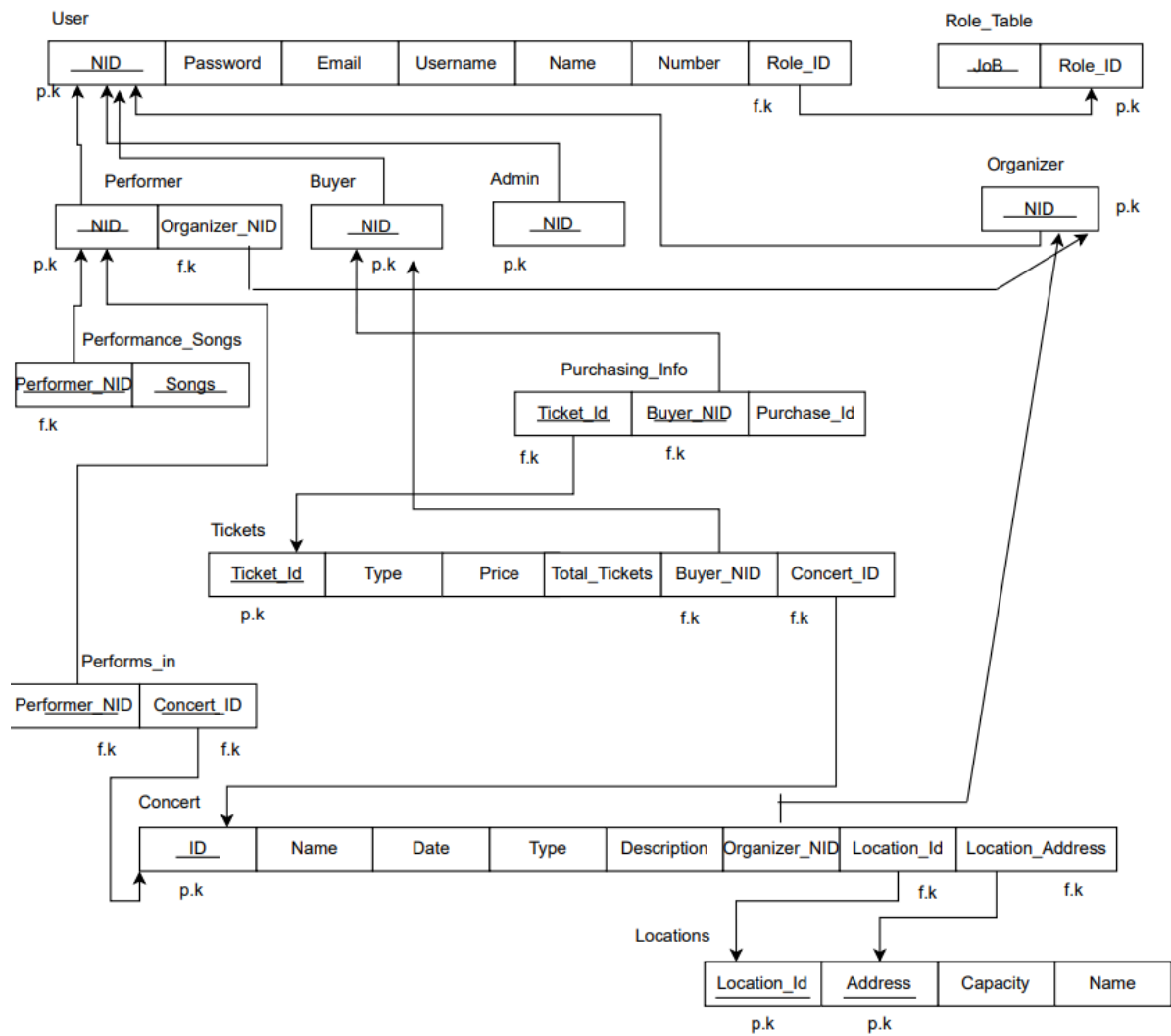
Project Features

1. Sign-up
2. Log-in
3. Forget Password
4. My Profile Page
5. Concert Page
6. Ticket purchase Page
7. Payment

ER/EER Diagram



Schema Diagram



Frontend Development

Briefly discuss about Frontend Development and add Screenshots by mentioning Individual Contributions

Contribution of ID : 22141026, Name : Adnan Al Sayeed Sihab

1. Implemented full layout profile page for Users- (Profile page with email and phone **showing, updating** information, can **delete** his record.)
2. Implemented full layout profile page for Admin - (Profile page with email and phone **showing, updating** information, can **delete** his record. And can **add / remove** concerts & performers.)

User Profile

Email: adnansihab25@gmail.com
Phone: 6940000000


Update Information

Email:
Phone:


Delete Account

Are you sure you want to delete your account? This action cannot be undone.

Concerts in Town



The Rolling Stones
Latest CD: 2013-07-12
Members: Mick Jagger, Keith Richards, Charlie Watts, Ronnie Wood
Description: [The Rolling Stones are an English rock band formed in London, England in 1962.](#)



Metallica
Latest CD: 2010-05-05
Members: James Hetfield, Lars Ulrich, Kirk Hammett, Robert Trujillo
Description: [Metallica is an American heavy metal band. The band was formed in 1981 in Los Angeles, California by drummer Lars Ulrich and vocalist/guitarist James Hetfield, and has been based in San Francisco, California for most of its career.](#)

Admin Login

Email

Password

Admin Profile

Name: Adnan

Email: sihab2075@gmail.com

Phone: 1234567890

Manage Concerts

Manage Concerts

Add Concert

Concert Name: Black

Cast: Tahsan, Jon Kabir

Image URL: https://i.ytimg.com/vi/z3Yw-r

Add Concert

Remove Concert

Concert ID: Metallica

Remove Concert

Prepaid Details

Total Amount	Last Update
Tk 360.00	2024-04-27 19:24:49

Update your prepaid

Give the amount: *(Allows only digits.)

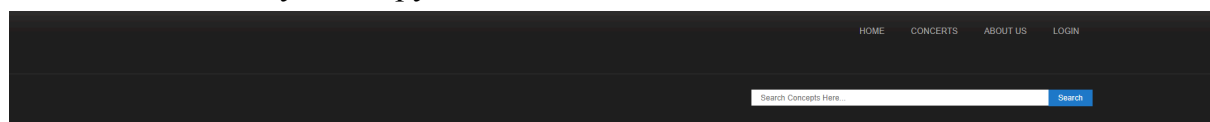
Update your card

Bookings

Ticket ID	Band	Stadium	Tier	Show	Seats	Amount	
TICKID8683189	AC/DC	Karaiskakis stadium	3	Rock	2	Tk 150	

Contribution of ID : 22101862, Name : Trisheeta Jahan Azad

1. Implemented a home page where users can check all events and info about participants.
2. Implemented a forget password option where all users can reset their password if they lose their password and it will automatically generate a password for them and they can copy it for later.



Upcoming Concerts



Red Hot Chili Peppers
Band :Anthony Kiedis ,Flea ,Chad Smith
Josh Klinghoffer
Event Date :2018-10-15
Red Hot Chili Peppers are an American funk rock band formed in Los Angeles in 1983.



Linkin Park
Band :Rob Bourdon ,Brad Delson ,Mike Shinoda ,Dave Farrell ,Joe Hahn
Event Date :2018-11-21
Linkin Park is an American rock band from Agoura Hills, California.



Green Day
Band :Billie Joe ,Armstrong ,Mike Dint ,Tre Cool
Event Date :2018-10-18
Green Day is an American punk rock band formed in 1986 by lead vocalist and guitarist Billie Joe Armstrong and bassist Mike Dint.

Hits



Scorpions



AC/DC



The Rolling Stones



The Rolling Stones

Concerts in Town



The Rolling Stones
Latest CD 2013-07-12
Members Mick Jagger,Keith Richards,Charlie Watts,Ronnie Wood
Description: [The Rolling Stones are an English rock band formed in London, England in 1962.](#)



Metallica
Latest CD 2010-05-05
Members James Hetfield,Lars Ulrich,Kirk Hammett,Robert Trujillo
Description: [Metallica is an American heavy metal band. The band was formed in 1981 in Los Angeles, California by drummer Lars Ulrich and vocalist/guitarist James Hetfield, and has been based in San Francisco, California for most of its career.](#)



AC/DC
Latest CD 2013-07-01
Members Angus Young,Chris Slade,Stevie Young,Axl Rose
Description: [AC/DC are an Australian rock band, formed in Sydney in 1973 by brothers Malcolm and Angus Young.](#)

About Us

This is a project of our CSE370 course Concert Ticket Management.

Join us and LETS CHILL Together.

ADNAN AL SAYEED SIHAB

Facebook

TRISHEETA JAHAN AZAD

Facebook

NISHAT ANNAN MIM

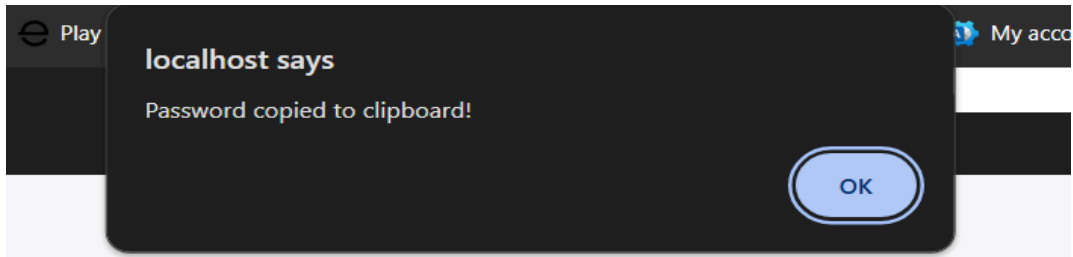
Facebook

MEHEDI HASAN ALIF

Facebook

SABIHA SALAM AYESHA

Facebook



Forgot Password

New password generated.

New Password:

c41c09cb

Copy

Go to Login

adnan.al.sayeed.sihab@g.bracu.ac.bd

Generate New Password

Contribution of ID : 22301636, Name : Nishat Annan Mim

1. Implemented a registration page where all users can register for visiting the website. Here we collect some necessary information of users in the database.
2. Also a login page where all users can login to visit the website after registration.

The image shows a mobile application interface for a registration page. The page has a blue header with the word "Register" in white. Below the header, there are seven input fields, each with a green icon on the right side. The fields are: a text field for "Adnan" (person icon), a text field for "22" (person icon), a text field for "Male" (person icon with a checkmark), a text field for "6940000000" (phone icon), a text field for "adnan.al.sayeed.sihab@g.bracu.ac.bd" (envelope icon), a password field with "*****" (lock icon), and a confirm password field with "*****" (lock icon). Below the fields is a blue button with the text "Register" in white. At the bottom of the page is a link that says "Login as Admin" in blue text.

Search Concepts Here...

Search

Login

Sign in to start your session

adnan.al.sayeed.sihab@g.bracu.ac.bd





Login

New Here? [Register](#)

Forgot Password? [Reset Password](#)

Contribution of ID : 22101897, Name : Mehedi Hassan Alif

1. Implemented a page for purchase tickets where users can purchase tickets for their desired events.
2. Then implemented a payment option where users can make payment of tickets after purchasing.



Members : Angus Young,Chris Slade,Stevie Young,Axl Rose

Latest CD : 01-Jul-2013

AC/DC are an Australian rock band, formed in Sydney in 1973 by brothers Malcolm and Angus Young.

Stadium	Karaiskakis stadium, Neon Faliro
Tier	3
Date	2018-07-06
Show Time	06:00 PM
Number of Seats	<input type="text" value="1"/>
Amount	Tk 75
Book Now	

BANK

Merchant

Transaction Amount

Prepaid Card

: Web Tickets Shop

: Tk 150

: 1234567890098765

Authenticate Payment

OTP sent to your mobile number ending *****000

Enter One Time Password (OTP)

123456

Make Payment

[Resend OTP](#)

Payment

Name on Card

Adnan

Card Number

1234567890098765

Expiration date

04/27/2024

CVV

123

Make Payment

Contribution of ID :20201060, Name : Sabiha Salam Ayesha

1. Implemented a page for concerts which will show all the concerts in one page. Organizers can add or remove concerts and performers for future events. The concert page consists of bands that have members' names in it, their title and a youtube link for their performance.

Concerts



Metallica

Members: [James Hetfield](#) [Lars Ulrich](#) [Kirk Hammett](#) [Robert Trujillo](#)



Scorpions

Members: [Rudolf Schenker](#) [Klaus Meine](#) [Matthias Jabs](#) [Pawel Maciwoda](#) [Mikkey Dee](#)



AC/DC

Members: [Angus Young](#) [Chris Slade](#) [Stevie Young](#) [Axl Rose](#)



Guns N Roses

Members: [Axl Rose](#) [Duff McKagan](#) [Slash](#) [Dizzy Reed](#) [Richard Fortus](#) [Frank Ferrer](#) [Melissa Reese](#)



The Rolling Stones

Members: [Mick Jagger](#) [Keith Richards](#)

AC/DC



Members : Angus Young,Chris Slade,Stevie Young,Axl Rose

Latest CD : 01-Jul-2013

AC/DC are an Australian rock band, formed in Sydney in 1973 by brothers Malcolm and Angus Young.

Check

Karaiskakis stadium, Neon Faliro

06:00 PM

Concerts in Town



Scorpions

Latest CD:2014-07-11

Members: [Rudolf Schenker](#), [Klaus Meine](#), [Matthias Jabs](#), [Pawel Maciwoda](#), [Mikkey Dee](#)

Description: [Scorpions are a German rock band formed in 1965 in Hanover by Rudolf Schenker.](#)



Guns N Roses

Latest CD:2012-07-19

Members: [Axl Rose](#), [Duff McKagan](#), [Slash](#), [Dizzy Reed](#), [Richard Fortus](#), [Frank Ferrer](#), [Melissa Reese](#)

Description: [Guns N' Roses, often abbreviated as GNR, is an American hard rock band from Los Angeles, California, formed in 1985.](#)



The Rolling Stones

Latest CD:2013-07-12

Members: [Mick Jagger](#), [Keith Richards](#), [Charlie Watts](#), [Ronnie Wood](#)

Description: [The Rolling Stones are an English rock band formed in](#)

Backend Development

Briefly discuss about Backend Development and add Screenshots by mentioning Individual Contributions

Contribution of ID : 22141026, Name : Adnan Al Sayeed Sihab

1. Implementing Admin table and linking it with concert table, performers table successfully to the backend codes so that admin can update info about the concert and its management.

Showing rows 0 - 0 (1 total, Query took 0.0002 seconds.)

```
SELECT * FROM `admins`
```

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

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

	id	name	email	password	phone
<input type="checkbox"/> Edit Copy Delete	1	Adnan	sihab2075@gmail.com	asdfghjkl	1234567890

☐ Check all | With selected: Edit Copy Delete Export

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

2. Implemented a news table to store news or announcements related to concerts, bands, or other relevant events. Keeping the users informed about upcoming concerts, new album releases, tour schedules by connecting it with the user dashboard.

☐ 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

	news_id	name	cast	news_date	description	attachment
<input type="checkbox"/> Edit Copy Delete	3	Red Hot Chili Peppers	Anthony Kiedis ,Flea ,Chad Smith ,Josh Klinghof...	2018-10-15	Red Hot Chili Peppers are an American funk rock ba...	new/hot.png
<input type="checkbox"/> Edit Copy Delete	5	Linkin Park	Rob Bourdon ,Brad Delson ,Mike Shinoda ,Dave Fa...	2018-11-21	Linkin Park is an American rock band from Agoura H...	new/link.png
<input type="checkbox"/> Edit Copy Delete	6	Green Day	Billie Joe ,Armstrong ,Mike Dirnt ,Tre Cool	2018-10-18	Green Day is an American punk rock band formed in ...	new/green.png

☐ Check all | With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

Contribution of ID : 22101862, Name : Trisheeta Jahan Azad

1. Implementing Registration/Login table where users data can be stored, They can sign up and login to purchase tickets. Here the table is connected to a show table, booking table, concert table to inform users about ongoing and upcoming concerts.

✓ Showing rows 0 - 2 (3 total, Query took 0.0003 seconds.)

`SELECT * FROM `tbl_registration``

☐ 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

	user_id	name	email	phone	totalAmount	lastUpdate
<input type="checkbox"/> Edit Copy Delete	28	ts	ts@hotmail.com	01862606989	1600.00	2018-06-25 16:34:13
<input type="checkbox"/> Edit Copy Delete	35	Adnan	adnansihab25@gmail.com	01878514526	360.00	2024-04-27 21:59:30

☐ Check all | With selected: [Edit](#) [Copy](#) [Delete](#) [Export](#)

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Contribution of ID : 22301636, Name : Nishat Annan Mim

1. Implemented a show table to store information about the scheduled concert shows and connect it to the user dashboard. Each row is a specific show of a concert at a particular stadium.

Showing rows 0 - 4 (5 total, Query took 0.0008 seconds.)

```
SELECT * FROM `tbl_shows`
```

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

☐ Show all | Number of rows: 25 | Filter rows:

Extra options

s_id	st_id <small>show time id</small>	stadium_id	concert_id	start_date	status <small>1 means show available</small>	r_status
10	1	3	1	2018-05-01	1	1
11	2	4	2	2018-06-01	1	1
12	3	14	3	2018-07-01	1	1
13	4	3	8	2018-08-01	1	1
14	5	4	14	2018-09-01	1	1

2. Implementing a Show Time Database to store information about the show timings for different concerts/shows and connecting it to the user dashboard.

Showing rows 0 - 4 (5 total, Query took 0.0011 seconds.)

```
SELECT * FROM `tbl_show_time`
```

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

☐ Show all | Number of rows: 25 | Filter rows:

Extra options

st_id	screen_id	name <small>rock band etc</small>	start_time	date_show
1	5	Rock	12:00:00	2018-07-01
2	6	Rock	16:00:00	2018-07-05
3	7	Rock	18:00:00	2018-07-06
4	8	Rock	21:00:00	2018-07-09
5	9	Rock	20:00:00	2018-07-11

Contribution of ID : 22101897, Name : Mehedi Hassan Alif

- 1. Implemented a booking table that stores info about total booked or purchased tickets.

✔ Showing rows 0 - 4 (5 total, Query took 0.0003 seconds.)

SELECT * FROM `tbl_bookings`

☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all

Number of rows: 25

Filter rows:

Extra options

book_id	ticket_id	t_id stadium id	user_id	show_id	screen_id	no_seats number of seats	amount	ticket_date	date	status
BKID5706817	TICKID3168151	14	24	12	7	1	75	2018-07-06	2018-06-23	1
BKID8151793	TICKID9516997	14	31	12	7	2	150	2018-07-06	2024-04-27	1
BKID3788118	TICKID3327101	4	32	11	6	2	120	2018-07-05	2024-04-27	1
BKID8061307	TICKID6562943	4	34	11	6	2	120	2018-07-05	2024-04-27	1
BKID2659578	TICKID8683189	14	35	12	7	2	150	2018-07-06	2024-04-27	1

☐ Show all

Number of rows: 25

Filter rows:

Contribution of ID :20201060, Name : Sabiha Salam Ayesha

1. Implementing a concert table where concerts are added or removed including updates of bands/performers.

Showing rows 0 - 3 (4 total, Query took 0.0002 seconds.)

SELECT * FROM `tbl_concert`

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

Show all | Number of rows: 25 | Filter rows: Search this table

Extra options

concert_id	t_id Stadium id	concert_name	cast	desc	release_date	image	video_url	status 0 means active
1	3	Metallica	James Hetfield,Lars Ulrich,Kirk,Hammett,Robert Tru...	Metallica is an American heavy metal band. The b...	2010-05-05	images/Metallica.png	https://www.youtube.com/watch?v=Ckom3gf57Yw	0
2	4	Scorpions	Rudolf Schenker,Klaus Meine,Matthias Jabs,Pawel Ma...	Scorpions are a German rock band formed in 1965 in...	2014-07-11	images/Scorpions.png	https://www.youtube.com/watch?v=n4RjJkXsamQ	0
3	14	AC/DC	Angus Young,Chris Slade,Stevie Young,Axl Rose	AC/DC are an Australian rock band, formed in Sydne...	2013-07-01	images/acdc.png	https://www.youtube.com/watch?v=v2AC41dglnM	0
8	3	Guns N Roses	Axl Rose,Duff McKagan,Slash,Dizzy Reed,Richard For...	Guns N' Roses, often abbreviated as GNR, is an Ame...	2012-07-19	images/gunsnroses.png	https://www.youtube.com/watch?v=1w7OgIMMRc4	0

2. Implemented a screen table that stores information about the screens/tiers available in different stadiums. Each row is a screen/tier in a particular stadium.

Showing rows 0 - 5 (6 total, Query took 0.0008 seconds.)

SELECT * FROM `tbl_screens`

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

	screen_id	t_id theatre id	screen_name	seats number of seats	charge
<input type="checkbox"/> Edit Copy Delete	5	3	1	50	70
<input type="checkbox"/> Edit Copy Delete	6	3	2	15	60
<input type="checkbox"/> Edit Copy Delete	7	4	3	20	75
<input type="checkbox"/> Edit Copy Delete	8	14	4	34	120
<input type="checkbox"/> Edit Copy Delete	9	3	5	30	70
<input type="checkbox"/> Edit Copy Delete	10	15	a	123	35

Check all | With selected: Edit Copy Delete Export

Source Code Repository

Upload source code to GitHub or Google Drive and share a publicly accessible link in this section of the report.

GITHUB:

https://github.com/AdnanSihab/LetsChill_CSE370_Project

GOOGLE DRIVE:

<https://drive.google.com/drive/folders/1PVz8ktNbycA3cwelwDeTLAzLQsYmZ64?usp=sharing>

Conclusion

In summary, the concert ticket management initiative presents a comprehensive solution for smooth ticket purchasing, distribution, and event participation. By simplifying ticketing procedures, enhancing user satisfaction, and integrating robust security measures, the project aims to deliver a stress-free and enjoyable event experience for both organizers and attendees. Through its intuitive interface, real-time updates, and effective communication channels, the platform not only contributes to concert success but also fosters a strong sense of community among music enthusiasts. Additionally, our coursework of CSE370 both theory and lab helped us to gain real world experience and we had the opportunity to acquire new skills such as utilizing HTML, CSS, PHP, JAVASCRIPT and MySQL. As technology advances, this project serves as evidence of its positive impact in just a few weeks.

References

1. <https://www.youtube.com/watch?v=IBfshkPIMW8&list=PLzzYtJMBTYCeQLDAUJKIhHN8TB8KGsDES>
2. <https://www.youtube.com/watch?v=fTs3deU7n10&list=PLzzYtJMBTYCeQLDAUJKIhHN8TB8KGsDES&index=3>
3. <https://www.youtube.com/watch?v=kffivnAYUAY&list=PLzzYtJMBTYCeQLDAUJKIhHN8TB8KGsDES&index=6>
4. <https://www.youtube.com/watch?v=VXC6LbWMjuI&list=PLzzYtJMBTYCeQLDAUJKIhHN8TB8KGsDES&index=13>