

IMDB Project

INFO 6210 –Data Management and
Database Design

Project description

- IMDB is the world's most popular and authoritative source for movie, TV and celebrity content.
- In our project we have implemented database for this website.
- Our project's majorly focuses on analysis from IMDB's customer point of view.
- Customer, Movies and TV- series are the primary entities.

Procedure 1

- We have created a procedure which helps user to easily find all the movies of an actress when the user enters name of a particular actress.

```
USE [IMDB]
GO
/***** Object: StoredProcedure [dbo].[PrintMovieData]  Script Date: 12/8/2016 3:19:32 PM *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE procedure [dbo].[PrintMovieData]
@fname char(25)
AS
BEGIN
SET NOCOUNT ON;
DECLARE @first_name char(25)
DECLARE @lName char(25)
DECLARE @movie_id INT
DECLARE @movieName CHAR(30)
DECLARE @desc varchar(100);
DECLARE moviecursor CURSOR FOR
select first_name, last_name, Movie_Name, Description from person join movie_cast on person.person_id=movie_cast.person_id
inner join movie on movie_cast.movie_id=movie.movie_id where movie_cast.role= 'Actress'AND person.First_Name = @fname;
```

```
if @fname NOT IN(Select First_Name from Person)
BEGIN
RAISERROR('Invalid Entry',16,1);
return;
END
else
OPEN moviecursor;
FETCH NEXT FROM moviecursor;
WHILE @@FETCH_STATUS=0
BEGIN
FETCH NEXT FROM moviecursor into @first_name,@lname,@movieName,@desc;
PRINT '*****Details*****'
PRINT '*****Movie_Id*****'
PRINT @movie_id;
PRINT '*****Name*****'
PRINT CONCAT(@first_name,@lname);
PRINT '*****Movie Name*****'
PRINT @movieName;
PRINT '*****Description*****'
PRINT @desc;

END
CLOSE moviecursor;
DEALLOCATE moviecursor;
```

Procedure 2

- In this procedure, we help the user to find the nearby theatres. When the user will enter city name, he will be able to find the theatres in that city.

USE [IMDB]

GO

/***** Object: StoredProcedure [dbo].[Theatre_Location] Script Date: 12/8/2016 3:21:01 PM *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE procedure [dbo].[Theatre_Location]

(@city char(25))

AS

BEGIN

SET NOCOUNT ON;

DECLARE @theatre_id int;

DECLARE @theatre_name char(30);

DECLARE theatrecursor CURSOR FOR select theatre_id,name from Theatre inner join Location on theatre.location_id=location.location_id WHERE City
=@city

if @city NOT IN(Select city from Location)

BEGIN

RAISERROR('Invalid Entry',16,1);

return;

END

else

```
OPEN theatrecursor;

FETCH NEXT FROM theatrecursor;

WHILE @@FETCH_STATUS=0

BEGIN

    FETCH NEXT FROM theatrecursor into @theatre_id,@theatre_name;

    PRINT '*****Details*****'

    PRINT '*****Theatre_Id*****'

    PRINT @theatre_id;

    PRINT '*****Name*****'

    PRINT @theatre_name;

    PRINT '*****City*****'

    PRINT @city;


END

CLOSE theatrecursor;

DEALLOCATE theatrecursor;

END;
```


Trigger

Whenever a User buys tickets, the total number of tickets available will be reduced by deleting the number of tickets bought by the User from the Available tickets column.

```
CREATE TRIGGER trig_Update_Tickets
```

```
ON DBO.Ticket_Purchased
```

```
AFTER INSERT
```

```
AS
```

```
Begin
```

```
Declare @sentckt int
```

```
Declare @adtckt int
```

```
Declare @chldtckt int
```

```
Declare @scld int
```

```
Declare @theatreld int
```

```
Declare @Movld int
```

```
Declare @shwld int
```

```
Declare @tcktSold int
```

```
DECLARE @tckt_avail INT
```

```
Select @sentckt = Senior_Tickets, @adtckt = Adult_Tickets, @chldtckt = Child_Tickets, @scld = Screen_Id, @theatreld = Theatre_Id,
```

```
@Movld = Movie_Id, @shwld = Show_Id
```

```
FROM inserted;
```

```
SET @tcktSold = @sentckt + @adtckt + @chldtckt;
```

```
Update Movie_Show SET Tickets_Available = Tickets_Available - @tcktSold where Theatre_Id = @theatreld and Screen_Id = @scld and Movie_Id =  
@Movld and Show_Id = @shwld
```

```
END
```

VIEW:

Following is the view where user will check movies as well as series

Query:

Create view v_movie_series AS

Select m.Movie_Name, m.Description, s.Series_Name, s.Description,
g.genre_type

From Movie m,Genre g ,TV_series s

Where Genre.Genre_ID = Movie.Movie_id

AND Genre.Genre_ID = TV_series.series_ID

View Output:

SELECT * FROM v_movie_series;

81 %

Results Messages

	Movie_Name	Movie_Description	Series_Name	series_Description	genre_type
1	Jackie	Following the assassination of President John F. Ken...	Salem	Salem' explores what really fueled the town's infamo...	Drama
2	Dear Zindagi	Kaira is a budding cinematographer in search of a p...	Stan Against Evil	An aging police sheriff begrudgingly joins an alliance ...	Comedy
3	Suicide Squad	A secret government agency recruits some of the m...	Expedition Unknown	An archeologist travels around the world for the unk...	Thriller
4	Warcraft.the Beginning	As an Orc horde invades the planet Azeroth using a ...	Thunderbirds Are Go	In the future, the Tracy family run a private mechaniz...	Fantasy
5	The Jungle Book	After a threat from the tiger Shere Khan forces him to...	The Crown	The early reign of Queen Elizabeth II of the United Ki...	Reality- TV
6	The Conjuring 2	Lorraine and Ed Warren travel to north London to he...	Treasure Quest: Snake Island	Hidden somewhere off the south eastern coast of Br...	Documentary
7	Mission: Impossible - Rogue Nation	Ethan and team take on their most impossible missio...	The Real Housewives of Atlanta	A reality television series focused on the personal an...	Family
8	Eden Lake	Refusing to let anything spoil their romantic weeken...	Mighty Planes	NULL	Sci-fi
9	King Kong	After a movie crew travel to a mysterious island to sh...	Married to Medicine	Follows a group of successful and educated women,...	Action
10	Highway	Right before her wedding, a young woman finds her...	Holiday Baking Championship	Eight bakers compete in making delicious and innov...	Animation
11	Cinderella	When her father unexpectedly passes away, young ...	American Dad!	The random escapades of Stan Smith, an extreme ri...	Game show
12	Fantastic Beasts and Where to Find Them	The adventures of writer Newt Scamander in New Y...	Vanderpump Rules	Best known as one of The Real Housewives of Bev...	Adventure
13	Doctor Strange	A former neurosurgeon embarks on a journey of heal...	People Magazine Investigates	NULL	Crime
14	Mission: Impossible - Rogue Nation	Ethan and team take on their most impossible missio...	Jay Leno's Garage	Jay Leno, a former late night show host shows his ca...	Horror

Query executed successfully.

localhost (13.0 RTM) | DESKTOP-EN1HUVF\knave ... | IMDB | 00:00:00 | 18 rows