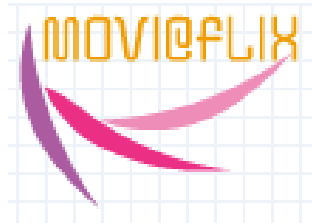# INDUSTRIAL TRAINING REPORT

MOVIE FLIX

Submitted in partial fulfillment of the

Requirements for the award of

Degree of Bachelor of Technology in Electronics and Communication Engineering

Submitted By

Name : Sumit Ranjan

Roll No:100103310

SUBMITTED TO:

Department of Electronics and Communication Engineering

School of Engineering and Technology, Sharda University

Greater Noida, U.P.-201306

(2012-2013)

DECLARATION

I hereby declare that the Industrial Training Report entitled ("Movie Flix") is an authentic record of my own work as requirements of 6-Weeks Industrial Training during the period from 15th June 2013 to29th July2013 for the award of degree of B.Tech. (Electronics and Communication Engineering), School of Engineering and Technology, Sharda University, Greater Noida, under the guidance of Mr.Mayur Varsheny.

Sumit Ranjan
100103310

Date: _____

Certified that the above statement made by the student is correct to the best of our knowledge and belief.

Signatures

Examined by:

1.   2.   3.

Head of Department

<u>ACKNOWLEDGEMENT</u>

An endeavor is not complete and successful till the people who make it possible are given due credit for making it possible. I take this opportunity to thank all those who have made the endeavor of mine successful for me and for all.

I take the opportunity to express my gratitude to all of them who in some or the other way helped me to accomplish this project. The study cannot be completed without their guidance, assistance, inspiration and co-operation.

I would like to express my deep sense of gratitude to my respected project guide Mr. Mayur Varshney for his support & cooperation.

Secondly I would like to thank my close friends & well wishers who were there for me whenever required.

Last but not the least WWW which provided with all the required data & information.

Company Description :

DYNAMICA Company works on solutions in the scope of e-commerce, web site development, software development on multiple platforms, multimedia presentation design, and internet marketing. One of the most perspective directions in the company specialization in development of solutions for mobile commerce(m-commerce). It also develops WAP sites and PDA compatible sites which become more and more needed year by year.

The main direction of the company activity is the development of high quality and efficient managing of web sites, convenient from user point of view, fully functional from administrating position, meeting all quality standards of modern IT industry and Internet standards in particular. Company provide the clients with truly flexible solutions. Convenient and reliable in utilizing products that finally give them a real advantage compared to companies not paying enough attention to the quality of IT products used in their business process.

At the moment more than 200 various specialists and developer teams from India are working for Dynamica India. Among them a bigger part belongs to programmers and web designers as well as specialists in Internet advertising and Internet marketing.

Table of Contents

Introduction of Project

In this case, we will be designing a simple online movie rental. The site will provide a soothing experience for customers. The system will allow more than one category of movies of different banners. Customer can send pick-up request to us for the movie that he wants to borrow for few numbers of days. Our one of the staff member delivered that movie within a day at the customer place and picked up the movie. Rental charges of each movie are same for all our customer but number of movies a user can borrow at a time is depends on its membership plan.

Project Objective

Objective

This project has been developed keeping in view the security features that need to be implemented in the networks following the fulfillment of these objectives:

- Provide a user friendly interface to the user such that he can borrow movie for few days & he can also create his queue.
- User can make a request of the required movie from his queue for delivery.

Assumptions

The currency followed is Rs as the site provides for only Indian customer base.

- There are different segments, categories, brands where a brand can fall under more than one category.
- The shipment of the goods is not covered under the scope of the case
- Complains by the customers are not handled by the case study.
- Customers have to be validated before the payment can be confirmed.

Project Overview

A customer visits the online movie rental. A customer may select any movie that he wants to borrow or just visit the page and logout. The customer can select a genre, then a language, to get the different movies as he desired. And there are various other ways that a user can search for his desired movie.

The customer can select the movie for putting them in his queue. The process can be repeated for more movies. Once the customer finishes selecting the movie/s the queue can be viewed, if the customer wants to edit the final queue it can be done here. Customer can update or delete movies for his queue anytime.

For final delivery of selected borrowed movie, the customer has to login the portal, if the customer is visiting for the 1st time he must register with the site, else the customer must use the login page to proceed.

Finally customer has to request for the desired movie from the queue for delivery. That movie is delivered at their place within a day also picked up from there after few days or requested by the customer to pick this movie or pick and deliver next movie.

Module Description

Modules:

1. Registration
2. Search
3. Report
4. Security
5. Admin
6. Staff
7. User

Brief Description:

Registration:

Through this module a person can register with the website. A registered user can add movies to the queue and see rental history and update his profile. A user can keep any no of movies as he wishes, but only the first movie is delivered to him in the next delivery cycle. A person needs to choose a plan to be registered and join with us. Valid email id is required as user id.

Search:

This module is the most important module of this project. Visitor & User can search movie by

various ways. These ways are explained as below

1. By Combination of Language & Genre
2. By Alphabet
3. By Collection
   a. By year like movies of 80's, 90's or 2000
   b. By Award Winning movies

(NOTE: These above two options are available for both Indian and International Category)

4. By Name of
   a. Actor
   b. Actress
   c. Producer
   d. Director

Report:

This module works for us whenever admin or user wants to take a report of any type like…

1. Admin can take a report of all payment made by any user during registration
2. Admin can also take report of all customer details
3. Rental history that shows disc to be delivered as well as or disc to be picked up.

Security:

Security is one of the most important aspects of any project. Following security measures have been taken.

Login:

This is a sub module of Security Module. This module authenticates and authorizes the user. If the user has forgotten the password then Once visitor is registered with us, now can borrow movie

from us but before that he has to choose or make a queue that he/she want to watch in future. And also reserve his/her movie for delivery at his/her place. Session is created after successful login

Logout:

This module is again sub module of Security. Session expires after successful logout.

Captcha:

A captcha is a set of letters and or numbers presented under the form of a small picture. The trick is that the captcha containing letters and or numbers is distorted badly. Basically, the captcha is designed to be able to make a distinction between human started submission of web-forms and automated software queries, and help separate them accordingly.

Auto Logout:

If no requests come from the same user for the next 30 minutes then user is logged out automatically. This enhances the security of our system and helps the user in big time.

Admin:

Admin is the only authorized person who governs this site. He/She can perform following activities:

1. Add Movie/ Membership Plan / Staff
2. Update Profile/Password/Movie Details/Movie Image/Int Of Discs

3. Delete Movie
4. Reports
     a. Payment Details
     b. Delivery Details
     c. Discs Details
     d. Posted Feedbacks

User:

User can search any movie from his/her choice and make a queue according with that. Now, he/she can reserve any movie or delete any movie from the queue. If he/she reserve any movie its mean that he/she want that movie to be delivered to him.

1. My Profile
2. Add Movie To Queue/ Deliver or Reserve List
3. Update Profile / Password
4. View
     a. My Queue
     b. Rental History
     c. Popular Movies
     d. Locate Stores
     e. New Membership Plans
5. Post Feedback

Staff:

Our Staff person is that, who delivers and take back movie to the respective user on time.

1. My Profile
2. Update Profile / Password
3. Check New Movie Delivery Requests
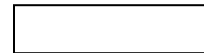4. Reports New Delivery Requests

Analysis

Data Flow Diagram

The Data flow Diagram shows the flow of data. It is generally made of symbols given below: -

1. A rectangle shows the Source/Sink: -

2. A Circle shows the Process: -

3. An open Ended Rectangle shows the data store : -
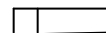
4. An arrow shows the data flow :-

The DFD can be up to several levels. The 0 level DFD states the flow of data in the system as seen from the outward in each module.

The first level DFD show more detail, about the single process of the 0 level DFD

The second level DFD can show even more details and so on.

Context Level Diagram

Level – 0 Diagram

ER Diagram

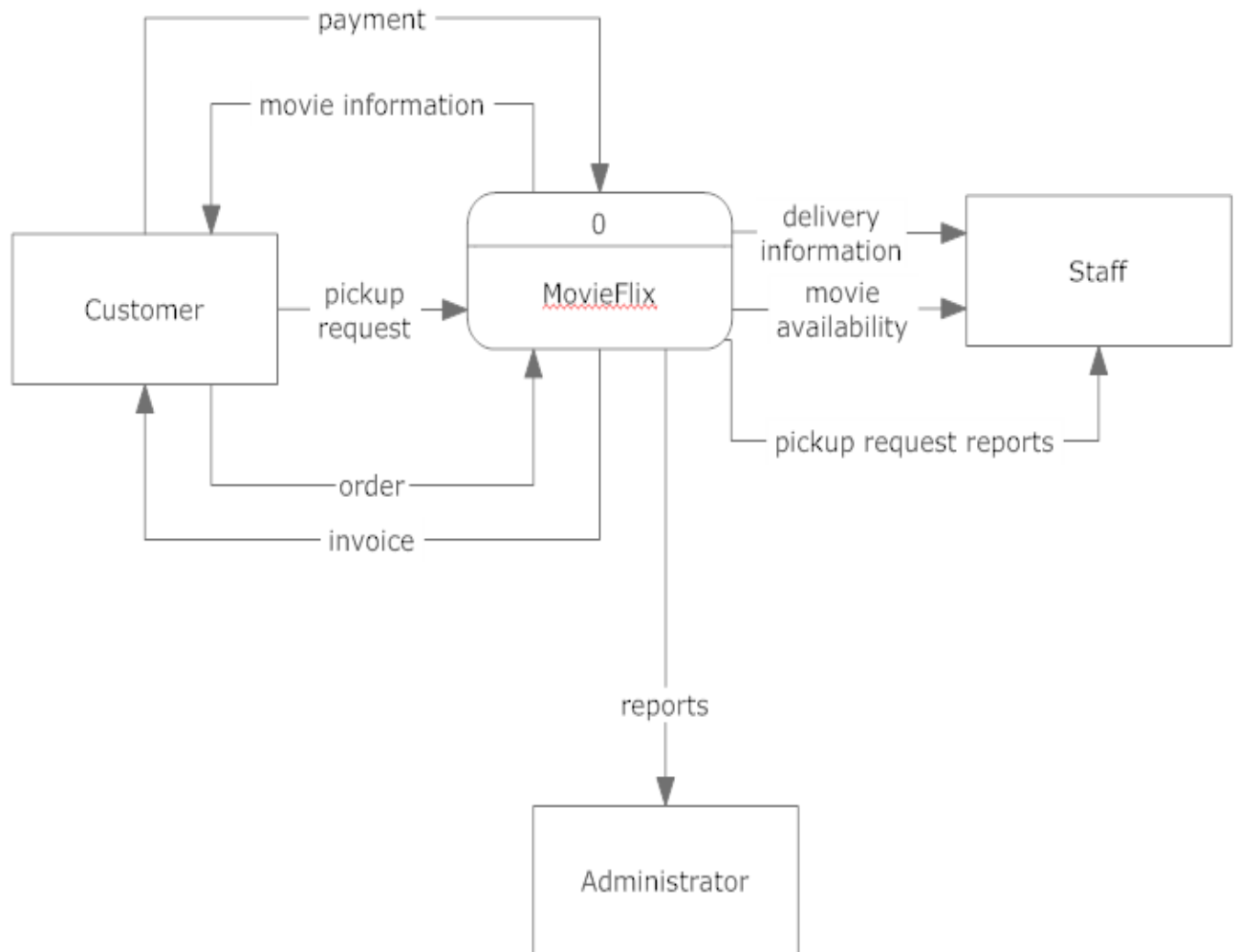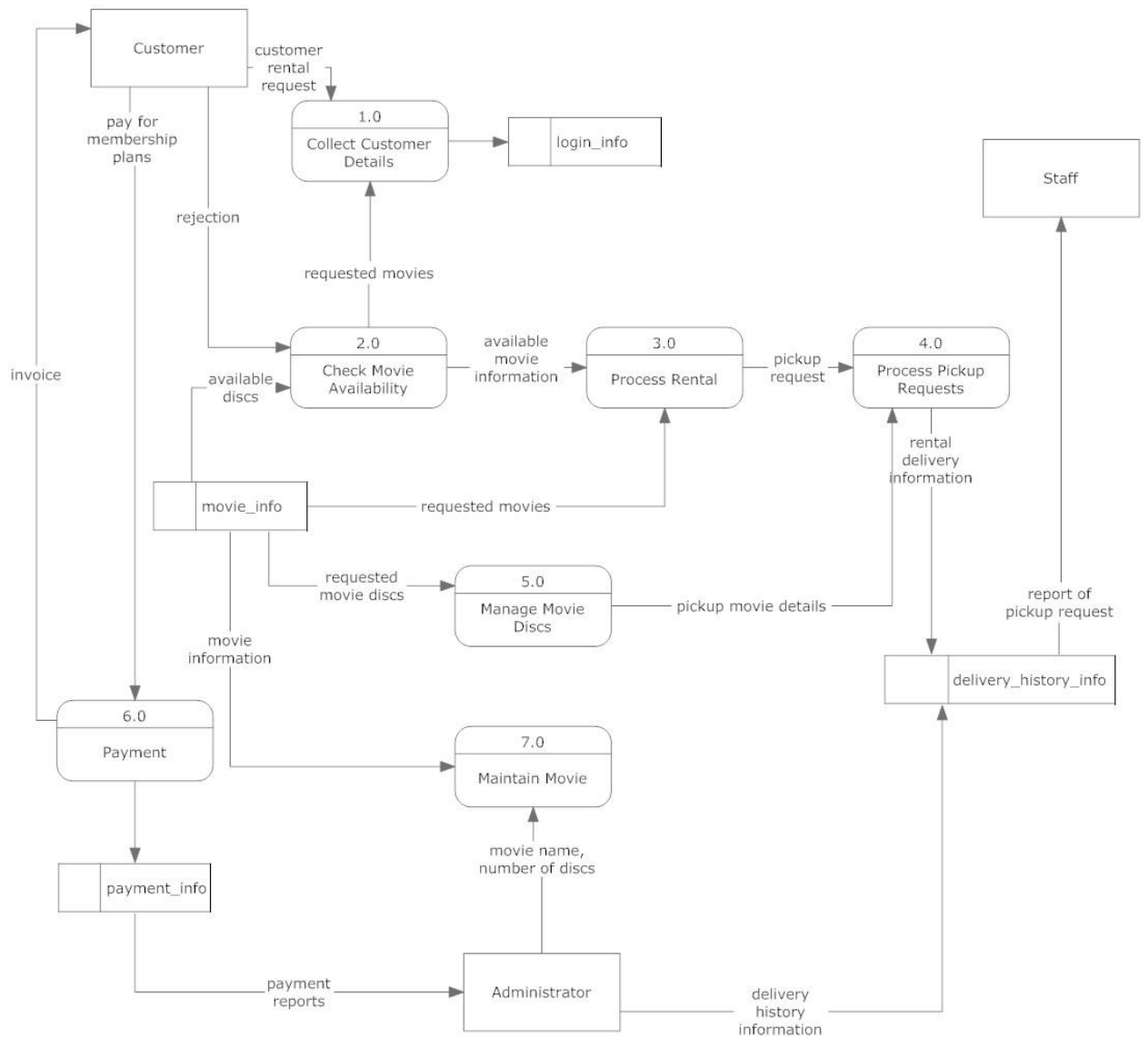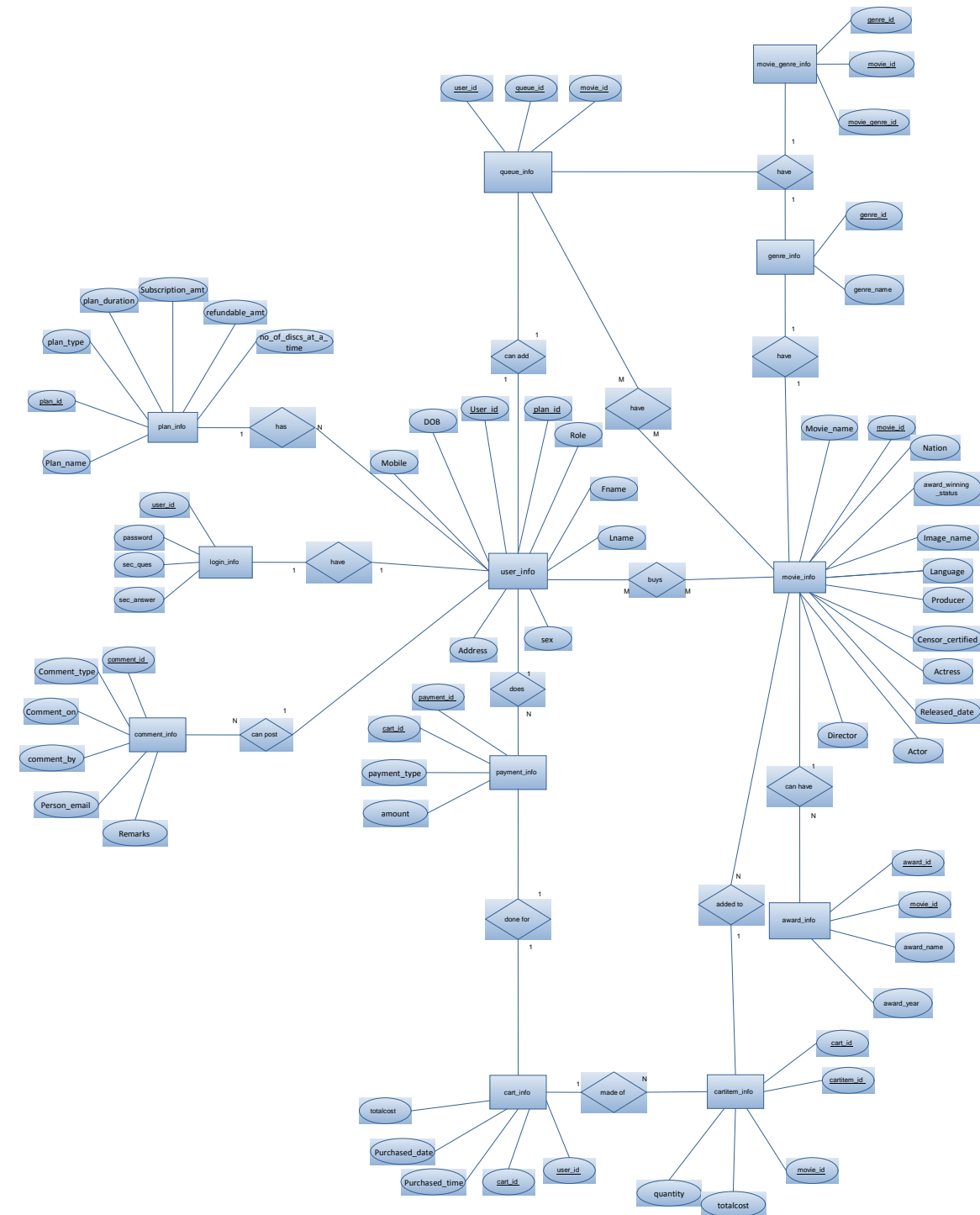# Data Structure

1. Table:

Plan information

To maintain the records of different plans

Column Name	Data Type	Size	Constraint	Description
plan_id	Int	5	Primary key	Plan id of the plan
Plan_name	Varchar	30	Not null	Name of the plan
plan_type	Varchar	10	Not null	Type of plan
plan_duration	Varchar	12		Duration of the plan
Subscription_amt	Int	5	Not null	Amount to subscribe the plan
refundable_amt	Int	5	Not null	Refundable amount
no_of_discs_at_a_time	Int	10	Not null	No of discs provided to the user

2. Table:

User information

To maintain the records of different user either he/she is admin or user

Column Name	Data Type	Size	Constraint	Description
User_id	Varchar	20	Primary Key	User ID of user
plan_id	Int	5	Foreign key	
Role	Varchar	10	Not null	Role of user
Fname	Varchar	20	Not null	First name of user
Lname	Varchar	20		Last name of user

Sex	Varchar	6	Male, Female	Gender of the user
Address	Varchar	50		Address of user
Mobile	Int	10	Not null	Mobile int of user
DOB	date		Not null	Date of birth of user

3. **Table:**

Login information

To maintain the username and the related password of different admin/user/staff

Column Name	Data Type	Size	Constraint	Description
User_id	Varchar	20	Foreign key	Valid email
Password	Varchar	20	Not null	Password of user for login
Sec_ques	Varchar	20	Not null	Security question of user for regaining the password details
Sec_answer	Varchar	50	Not null	Security answer of user for regaining the password details

4. Table:

Movie information

To maintain the username and the related password of different admin/user

Column Name	Data Type	Size	Constraint	Description
Movie_id	Int	5	Primary key	Movie id of the movie
Movie_name	Varchar	20	Not null	Name of the movie
Released_date	Date			Released date of the movie
Director	Varchar	20	Not null	Director of the movie
Actor	Varchar	20	Not null	Male Actor of the movie
Actress	Varchar	20	Not null	Female Actor of the movie
Producer	Varchar	20	Not null	Producer of the movie
Language	Varchar	10	Not null	Language of the movie
Censor_certified	Varchar	5	A, U/A, U	Censor certificate of the movie
Image_name	Varchar	30	Not null	Name of the image
Award winning status	Int	1	1 or 0	This shows that movie is award winning or not. By default movie is not award winning
Nation	Varchar	13	Indian or International	Nationality of the movie
No_of_discs	Int	5	Not null	No of discs of a particular movie

5. Table:

Genre information

To maintain the records of different genre

Column Name	Data Type	Size	Constraint	Description
genre_id	Int	5	Primary Key	Genre ID
genre_name	Varchar	15	Action, Comedy, Drama, Horror, Family, Spiritual, Historical, Romance, etc	Name of the genre

6. <u>Table:</u>

Movie genre information

To maintain the records of each movie with its genre

Column Name	Data Type	Size	Constraint	Description
movie_ genre _id	int	5	Primary key	Combine ID of both Movie ID & Genre ID
movie_id	Int	5	Foreign key	Movie ID
genre _id	Int	5	Foreign Key	Genre ID

7. <u>Table:</u>

Award _info

To maintain the records of awards of each movie

Column Name	Data Type	Size	Constraint	Description
award_id	Int	5	Primary Key	Category ID
Movie_id	Int	5	Foreign key	Movie ID
award_name	Varchar	30		Name of the award
award_year	Date			On what date award is given to the movie

8. **Table:**

Queue _info

To maintain the records of movies added by the user in queue

Column Name	Data Type	Size	Constraint	Description
queue_id	Int	10	Primary key	Queue ID
movie_id	Int	10	Foreign key	Movie ID
user_id	Varchar	20	Foreign key	User ID to whom movie is allotted
status	Varchar	20		Status of the movie that is either awaiting, delivered or reserve
Reserved_date	date		Not null	On what date movie is reserved by the user

9. **Table:**

Delivery_history _info

To maintain the records of movies that was delivered to the user

Column_name	Data Type	Size	Constraint	Description
delivery_history _id	Int	5	Primary Key	Delivery ID
Movie_id	Int	5	Foreign key	Movie ID of the movie_info table
User_id	Varchar	20	Foreign key	User ID of the user_info table
delivered_on	Date		Not null	Delivery date of the movie
Returned _on	Date		Not null	Returned date of the movie
Delivered_by	Varchar	5	Foreign key	User ID of a specific staff from the user_info table who delivered this movie to the user

10. __Table:__

Request _info

To maintain the records of movies that are requested by the user from his/her queue

Column Name	Data Type	Size	Constraint	Description
request_id	Int	5	Primary Key	Request ID
Queue_id	Int	5	Foreign Key	Queue ID of the queue_info table

11.__Table:__

Payment _info

To maintain the records of payment of each payment when user chooses his/her membership plan

Column Name	Data Type	Size	Constraint	Description
Payment_id	Int	5	Primary Key	Payment ID
User_id	Varchar	20	Foreign key	User ID of the user_info table to check who pay this payment to us
Payment_type	Varchar	10	Credit Card	Type of payment user want to pay
Amount	int	5	Not null	Amount of payment that was paid by
Payment_date	Date	7	Not null	Payment date
Payment_time	Varchar	5	Not null	Payment time

12. **Table:**

Comment _info

To maintain the records of comments posted by the user

Column Name	Data Type	Size	Constraint	Description
Comment_id	Int	5	Primary Key	
Comment_type	Varchar	10	Suggestion, Complaint, Query	Types of comments the user can post
Comment_on	Varchar	10	Mall Services, Stores, Dining, Staff, Others	Thing on which user want to comment
Comment_by	Varchar	10		Name of the person who post the comment
Person_email	Varchar	30	Not null	Email address of the person
Remarks	Varchar	100	Not null	The comment that he/she want to post

Software & Hardware Tools

Development Environment:

- **Operating System:** Linux Red Hat, Windows XP SP2 or above

The system will be built on windows compatible environment. The application will be web based developed using Java technology.

- **Integrated Development Environment(IDE):** Eclipse Helios

  Eclipse is a multi-language software development environment comprising an integrated development environment (IDE) and an extensible plug-in system.

- **Web Server:** Tomcat 7.0

  Apache Tomcat is an open source software implementation of the Java Servlet and Java Server Pages technologies. Apache Tomcat is an open source software implementation of the Java Servlet and Java Server Pages technologies.

- **Data Base:** My SQL 5.0

  MySQL is a relational database management system (RDBMS) that runs as a server providing multi-user access to database.

- **Client Browsers:**

  Support all browsers

- **Web Builder 8:**

  The system will be developed with Java Technologies using J2SE (JDK and JRE). Web Builder 8 as HTML editor

Hardware & Software Requirements

Hardware requirement

Main Processor   Pentium IV or above

Hard-disk Capacity   8 G.B or more

RAM   256 MB or more

Software Requirement

Operating System   Linux Red Hat, Window XP SP2 or other

Backend tool   Oracle

Future Scope

1. Providing the SMS alerts of latest movies to the user.
2. Providing Email account facility to users so they can feel the independence of mail account at the same site.
3. Provide email facility to the user of all the upcoming movies & their details for rental.