

SRS PVR online movie ticket booking

Software Engineering (Lovely Professional University)

Name - Pritam - Kumar Section - K21AR Reg. NO - 12116362 Roll No. - 12

CIASSMATE Date : Page :

T.T basbose

the purpose of this document is to present a detailed of the pur: online movie ticket Booking system. This app is basically made for providing cultomer an anytime and anywhere Service for booking the seat in the cinema how and to gather information about the movies online.

1.2 Scope of project

This software des system will be pur?

Online movie ticket Booking System.

This system will be designed to maximize the easiness of the customers to Book

Tickets. This system is designed to allow a customer to book and Cancel his tickets at any time of the day.

The goals of oyr system are:

is to provide an anytime anyplace

Service for the wer.

iis to minimize the number of staff

at the ticket box.

Al QUAD CAMERA promote the film on the Shot by Pritam of This document is adeilable free of charge on studocu

2. Overall rescription 2.1 System Environment

the movie Ticket Booking System
has two active actors, customers and
admin. The customers access the movie
Ticket Booking System through the
internet. Any customers communication
with the system is through email.
The Admin accessed the entire system
directly.

2.2 System Interfaces

This system does have one interface with online payment gateway of the existing systems.

2.3 product functions

2) pegister

2mput - Name, contact No., password

processing - user will be registered

output - user's account has been

(2) Login

Imput - Id Name, Password

Processing - Credentials will be cheked

Processing - Credentials will be cheked

Al QUAD CAMERA to verify the user or admin

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Output to the tome page.

(3) Book Ticket

Imput - movie Name, date, time, seat type, No of tickets

processing - credentials of movie will be Chered that desired seat is available or not.

Output - movie will be booked

Imput - Casa No., CAN No. processing - Details que verified output - payment done successfully

(5) Send Notification

Imbat - & Nove proceding - sends conformation me Hage

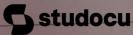
6) Cancel Tickets

Imput - User Id, Pashmord, Ticket Id processing - cancellation process is star by cheking that it fulfill cancellation constagiat.

Output - Ticket will be concelled with without refund.

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3 specific Requirements

3.1.1 User interface

user to enter correct ID and pashmone stored in the user database is approved as a valid were so that user enter into our application.

3.1.2 Datapase Intertace

were ID, password and previous and current booking details.

The events' details database included information about all listed events, their organizers, dated, timing, venue, price per ticket and available seats.

the organizers' details database

include organizers' ID, password

events' details.

3.1.3 functional Requirements

RAI QUAD CAMERA on line booking needs to be shot by Britamy ated with an account.

2.4 General constraints

No other language option is available.

No other language option is required to

ye the system.

with registered mobile number.

2.5 uses characteristics

y user uses the system to fetch information about available movies, their
price, duration, data and timings and
majorly to book fickets.

The user can also give feedback of the

movie watched, in the form of ratings.

Sack up of the database in case of hardware tailure, disaster, matural calamities.

2.6 Assumptions and rependencial

- Admin is created in the system

-> password must contain atleast to characters according to the rule.

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- · one account cannot be associated with
- to find the most recent and relevant booking options.
- e system should enable user to book pay for their tickets only in timeboxe manner ofter tickets being added to the cart.
- e System Should only allow users to move to payment only when mandatory fields such as dates time , location has been mentioned.
- System Should consider timezone

 Synchronisation when accepting brokings

 from different timezones.
- · Booking confirmation should be sent to user to the specific contact details.
- to user to the specific compact details.

 Outer cam cancel the movie ticket

 anytime but with a limitation, if

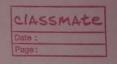
 helshe cancels before 3 hours of show

 timing than soils money is refunded

 back into hislher account othewise

 only ticket will be cancelled without

 any metand.
- 3.2.1 Security:
- AleQUAD CAMERA in e movie ticket system is shot by Pritam of should be an included an analy authentic



yser. It requires ysername and partwood to become member of the app.

A Reliability:

The application is highely reliable and it generates all the updated information in correct order.

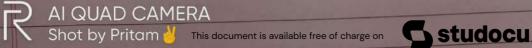
3.2.3 Availability

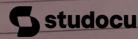
Any information should be quickly available from any computer to the authorizeda yser.

3.2.4 Maintainability

The application is maintainable in such a manner that if any new requirements. occur them it should be easily incorporated in an individual module. 3.2.5 Back 4p-

we will take a backup in our system database. In order to enable the administrator and the wer to access the data from our Jystem.

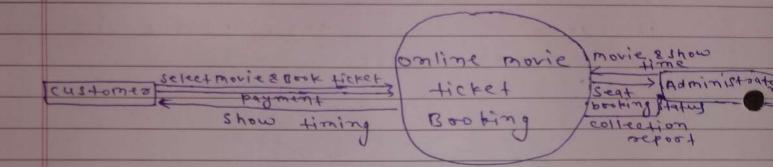




3.3 Data flow Diagrams

3.3.1

context level Diagram



In this data flow diagram, you will see the general process Done during ticket broking process.

3.3.2 Dataflow Diagram:

Data flow diagram is the starting point of the design that functionally decomposed the requirements specification. A DFD consists of a series of bubbled joined by limed. A DFD describes what data flow rather than how they are processed, so it does not hardware, software and data

Al QUAD CAMERA flow diagram (DFD) is a Shot by Pritam of the Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com)

flow's of data through an information system. DFD can also be used for the visualization of data processing. A rate flow diagram (DFD) is a significant modeling technique for analyzing and constancting intornation brocess. DFD literally means an illustration that example explains the course or movement of information & in a process. DFD issu illustrated this flow of information in a process based on the imputs and output. A DFD can be referred to as a process model. There are severn(7) Rules for constant a data flow ci) Arrow should not cross each. other. (ii) squares, circles and files must weard names. Wiis Decomposed data flow must be balanced. cirs No two data flows squared or circles can be the same names. (1) Draw all data flows around the outside of the diagram. tions, brocker and gate stores. Shot by Pritam This document is available free of charge on Studocu and Validation

Downloaded by Anshul Choudhary (anshul2020choudhary@gmail.com) to a data flow diagram.

Additionally, a DFD can be utilized

to visualize data processing or

a structured delign. The basic DFD

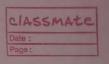
can be then disintegrated to a

lower level diagram demonstrating

smaller steps exhibiting details of

the system that is being modeled.

In our database design, we give name to data flows, processes and data stores. Althrough the name are descriptive of data, they do not give details. Our interest is to build some details of the contents of data flow, processes and data store. A data dictionary is a store. A data dictionary is a store. A data dictionary is a store. It is a set of rigourous data. It is a set of rigourous detinitions of all DFD data about data.



Non-functional requirements:

(1) security -

The System used SSL (Secured Socket layer) in an transaction that include any confidental customer information. The system must automatically log out all customers after a period of inactivity. The system should not leave any cookies on the customeris computer containing the wers password. The system, s back-end servers show only be accessible to authenticated administed sensitive data will be encrypted before being sent over insecure connections like the internet.

(2) Accessibility:

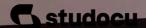
- (a) The system shay provide handicap access.
- (b) The system shall provide multi-langude subbost.

(3) Accessibility:

The system will be a web-based application it is going to be acceptible RAI QUAD CAMERA

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(4) performance:

The

- · use of captcha and encryption to avoid bots from booking tickets.
- e search results should populate within
- to fill in the mandatory fields;
 incode of invalid input.
- System should accept payments

 Via different payment methods;

 like paypal, wallett, cards, vouchers,

 ete.
- e system should visually confirm as well as send booking confirmation to the user's contact.
- problem

 problem

 problem
- · likewise such requirements can include many more related to probability, scability, Accuracy and precision, legal etc.

About ER Diagram!

Entity Relationship Diagram

Ex model is a popular high level conceptual data model. This model and
its variations are frequently used
for the conceptual design of database
application and many database design
tools employ its concept.

A dotabase that confirens to an

E-R diagram can be represented by

a collection of tabled in the relation

System. The mapping of E-R diagram of

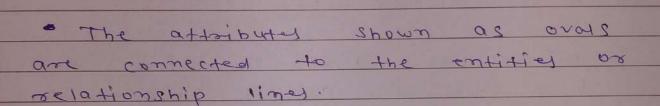
E-R diagram to the entities are:

- · Attributed
- 2 Relations
 - o many to many
 - o many to me
 - o one-to-many
 - o one-to-one
- · weak entited
- · sub-type and super-type

PALQUAD CAMERA them are shown using the Shot by Pritam This document is available free of charge on Studocu

tollowing conventions.

- · An entity is shown in rectangle.
- amound represent the relationship



- Diamond, oval and relationships are
- model is an abstraction process

 that hidel super details while

 highlighting details relation to

 application at end.
- provided this abstraction for database application.
- ing the databast.

- Relationship is used in data modeling to represent in association between an entity set.
- indicated that the values of the associated attributed are independent.

Testing

white Box Testing:

In this techniques the close examination of the logical parts through the software are tested by cases that exercised species sets of conditions or loops: all logical parts of the software cheked once. when the box testing tests all the independent part within a module a logical decision on their true and the false side are exercised; and loops and bounds within their operational bounds were exercised and internal data structure to ensure their validity were exercised once.

Black box desting tester the inputs

the output and the external data.

Al QUAD CAMERA whether the input data is

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episseet and whether we are getting

Alfa Testing

Acceptance desting is also sometimed couled also also sometimed proceeds untill the system developer and the customer agree that the provided system is an acceptable implementation of the system requirement.

Beta Testing

During beta desting, a system is delivered among a number of potential

Users who agree to use it. This

provides the product for real use

and detects errors which may not

have been anticipated by the system

developers.

Unit Testing

Each module is considered imdependently it focuses on each unit of Software as implemented in the source code. it is white box desting.

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Integration Testing:

Integration testing aims at constructing the program Stoucture while at the same constructing tests to uncover errors associated with interfacing the modules modules are integrated by wing the top down approach.

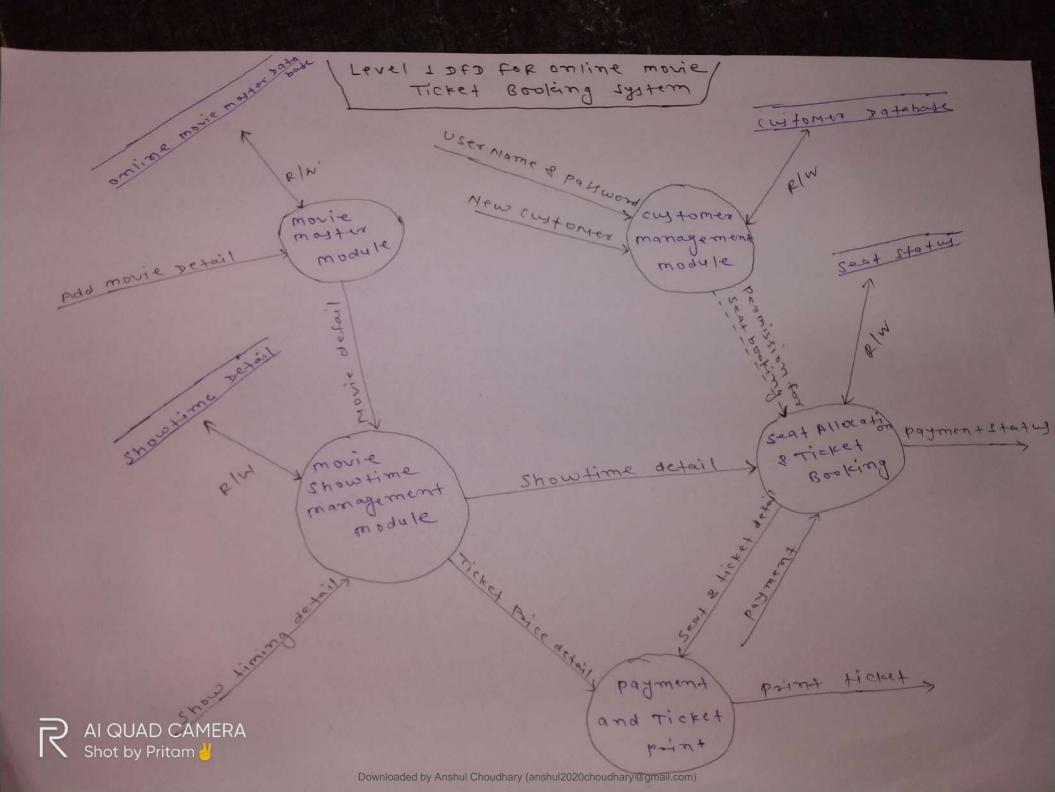
validation Testing:

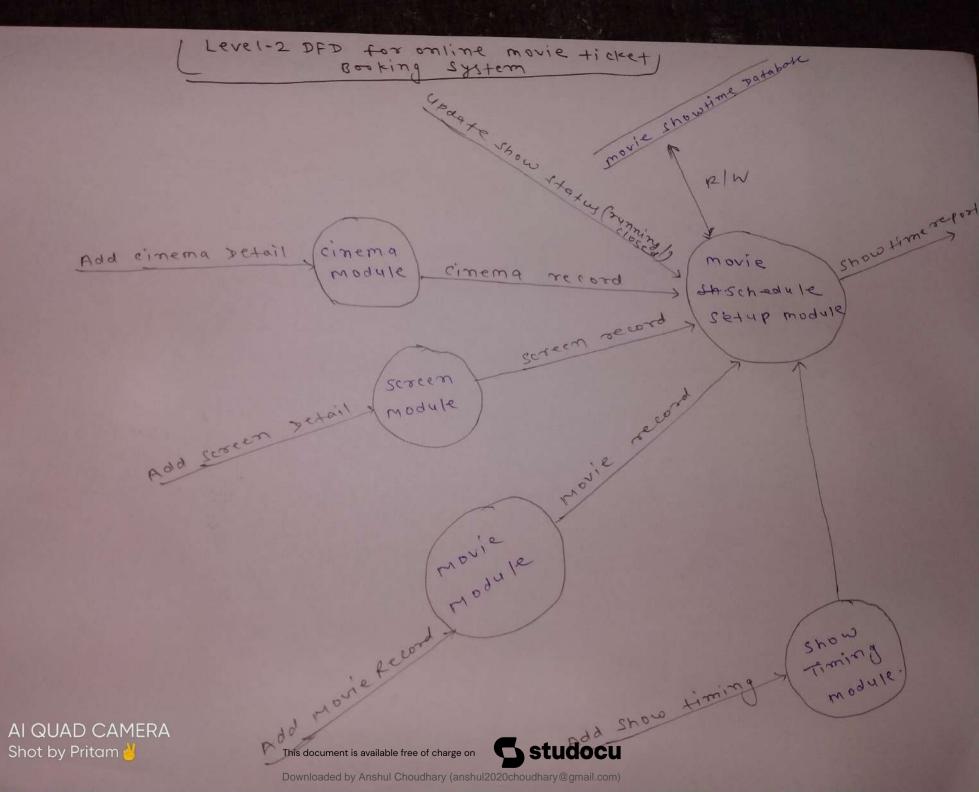
Validation testing was performed to ensure that all the functional and performance requirements que met.

System Testings.

System testing is done to ensure that the system satisfies all the requirements.







General USE CASE! PUR: ONLine movie ticket Booking

