## SYSTEM STUDY

* 1. **EXISTING SYSTEM**

Present system is manual.People have to visit the companies to book a service or can contact through call. The bookings are stored manually.

The following are the disadvantages of the existing system:

* + - Need of more time resources since the processes are manual.
    - Requires more man power.
    - There are chances for the Service-In-Charge to forget user bookings.
    - It is more time consuming.
    - There are chances that the user bookings may not be confirmed if there exists multiple service bookings for events at the same time.

## PROPOSEDSYSTEM

The existing manual system is replaced to a webapplication changing the way of maintaining the bookings which proves to be beneficial, improves efficiency and saves us time.

The following are the advantages of the proposed system:

* + - The bookings can be registered easily from anywhere at anytime.
    - The users can able to know their booking status whether it is approved or cancelled.
    - Feedback can be provided by the users which helps the admin to manage services more efficiently.
    - History of booking scan be viewed in need of time
    - There is no chance for the user bookings to be unconfirmed since the progress of the bookings are monitored.

## PROBLEM DEFINITION AND PROJECT DESCRIPTION

The project titled as “EVENT SERVICE BOOKING SYSTEM” is a web based application which provides facilities for booking services regarding events such as birthday parties,formal parties,wedding decorations, etc. Maintenance of all data using pen and paper is a tedious job. So to reduce the manual effort, the “EVENT SERVICE BOOKING SYSTEM” will be of great help. This software has two modules which enhances the proper working of the system and they are

* Admin
* User

### ADMIN MODULE

* View User details
* View Bookings details
* View Bookings details in a particular period
* Create and Delete Event Type
* Create and Delete Event Services
* View,reply,approve and cancel bookings
* View feedback
* Update Contact Us and About Us page

### USER MODULE

* Book the Services for their events
* View Booking Details
* View the status of the bookings to know the progress of bookings registered by them
* Post feedback

# SYSTEM ANALYSIS

## SYSTEM ANALYSIS

### REQUIREMENTS SPECIFICATION HARDWARE REQUIREMENTS

Processor : Intel

RAM : 4.00GB (3.89GB usable)

Harddisk : 40 GB

Monitor : 15’’mVGAmonitor

Keyboard : 104 keys Keyboard

Mouse : Optical mouse

### SOFTWARE REQUIREMENTS

Operating System : 64-bit OS

LocalHost Server : Xampp Server Database Connectivity : PhpMyAdmin

Front End : Html and CSS

Back End : PHP and MYSQL

## FEASIBILITY STUDY

A feasibility analysis is conducted to decide if the solution considered to meet the criteria is feasible and workable in the software.During the feasibility study, information such as resource availability, cost estimates for software production, advantages of the software to the enterprise after its development, and cost to be expended on its maintenance is determined. The feasibility study aims to ascertain why developing software is appealing to users, adaptable to change, and compliant with applicable requirements.The system has been tested for feasibility in the following points:

* + - Technical Feasibility
    - Operational Feasibility
    - Economic Feasibility

### TECHNICAL FEASIBILITY

Technical feasibility evaluates the available infrastructure (such as hardware and software) and technologies needed to meet the user needs of software under time and budget constraints.The following are the activities often performed by technical feasibility.

* Examines whether there are technical guarantees of accuracy, reliability, ease of access and data security.
* Determines whether the application infrastructure is well-established.
* Ensures whether the proposed system provides adequate response to inquiries, regardless of the number or location of users

The current system developed is technically feasible as it provides the technical guarantee of accuracy, reliability, security and easy access to the users.

### OPERATIONAL FEASIBILITY

The proposed system is beneficial only if it can be turned out into information system which will meet the operating requirements of the organization. The extent to which the required software completes a sequence of steps to address challenges and requirements of the developer and users respectively is measured by operational viability. The following are the operations carried out by operational feasibility:

* + Determines whether sufficient support for the organization is provided from the users.
  + Ensures proper working of the system if it is being developed and implemented.
  + Checks whether there will be any resistance from the users that will ruin the possible benefits of the application

This Event Service Booking System would ensure the optimal utilization of computer resources and would help in the improvement of performance status.

### ECONOMIC FEASIBILITY

A system can be developed technically and that will be used if installed must still be a good investment for the organization.Economic feasibility needs to consider the expenses made on purchasing,such as hardware purchasing and required activities to carryout software development.It is also necessary to consider the benefits that can be achieved by developing the software. Software is economically feasible when it focuses on the issues listed below.

* + - Expense incurred on software development for achieving long-term gains for an organization.
    - Expenses required to conduct elicitation and requirements analysis
    - Hardware and software cost,development team,and training cost.

This system is economically feasible.Since this system is developed using the existing resources and technologies, there is nominal expenditure which ensures the economic feasibility of the system.

# SYSTEM DESIGN

* 1. **ARCHITECTURAL DESIGN**

**SYSTEM DESIGN**

### DATA FLOW DIAGRAM DFD Level 0

Event Service Booking System

Database

User

Admin

**DFD Level 1**

tbluser

tblservice

ADMIN

tbleventtype

tblpage

tblcontact

tblbooking

tblcontact

tblbooking

Register

tbluser

Update Profile

Book Services

tblbooking

View History

tblbooking

User

### DATA DICTIONARY

**Table Name:**tbladmin

**Purpose:**To store the details of admin

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Field Name** | **Datatype** | **Size** | **Constraint** | **Description** |
| 1 | ID | int | 10 | Primary Key | Admin ID |
| 2 | AdminName | varchar | 120 | Not Null | Name of the Admin |
| 3 | UserName | varchar | 120 | Not Null | Username of Admin |
| 4 | Mobile Number | bigint | 10 | Not Null | Mobile Number of Admin |
| 5 | Email | varchar | 200 | Not Null | Email of Admin |
| 6 | Password | varchar | 120 | Not Null | Password of Admin |
| 7 | AdminRegDate | timestamp | 10 | Null | Current date and time of Admin Registration |

**Table Name:**tblbooking

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Field Name** | **Datatype** | **Size** | **Constraint** | **Description** |
| 1 | ID | Int | 10 | PrimaryKey | Overall Booking Id |
| 2 | BookingID | Int | 50 | Not Null | Current booking Id |
| 3 | ServiceId | Int | 30 | Unique | Event Service Id |
| 4 | UserID | Int | 100 | Not Null | Id of User |
| 5 | BookingFrom | Date | 30 | Null | Event Starting Date |
| 6 | BookingTo | Date | 50 | Null | Event Ending Date |
| 7 | EvventType | Varchar | 10 | Unique | Type of Event |
| 8 | Numerofguest | Int | 10 | Not Null | Number of guest |
| 9 | Message | Mediumtext | 150 | Not Null | User additional message |
| 10 | BookingDate | Timestamp | 50 | Null | Current Booking Date |
| 11 | Remark | Varchar | 500 | Not Null | Admin Remark |
| 12 | Status | Varchar | 100 | Not Null | Approal Status |
| 13 | UpdationDate | timestamp | 30 | Null | Current Updation Date |
| 14 | StatusDescription | Varchar | 100 | NotNull | DescriptionofStatus |
| 14 | ProofOfCompletion | Varchar | 50 | Null | Proofof Completion |

**Purpose:**To store the details of booking information

**Table Name:**tblcontact

**Purpose:**To store the details of user’s Feedbak/Enquiries.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Field Name** | **Datatype** | **Size** | **Constraints** | **Desription** |
| 1 | ID | Int | 10 | Primary Key | User Id |
| 2 | Name | Varchar | 200 | Not Null | User Name |
| 3 | Email | Varchar | 200 | Not Null | User Email |
| 4 | Message | Mediumtext | 150 | Not Null | User message/queries |
| 5 | EnquiryDate | Timestamp | 10 | Null | Current Date and time of user message |
| 6 | IsRead | Int | 5 | Null | Displays the read queries |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Field Name** | **Datatype** | **Size** | **Constraint** | **Description** |
| 1 | ID | Int | 10 | Primary Key | Id of Event Type |
| 2 | EventType | Varchar | 200 | Unique | Type of Event |
| 3 | CreationDate | Timestamp | 10 | Null | Current date and time of Event Type Creation |

**Table Name:**tbleventtype

**Purpose:**To store the details of Type of Event.

**Table Name:**tblpage

**Purpose:**To store the details of basic information about Event Service Booking System Page

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Field Name** | **Datatype** | **Size** | **Constraints** | **Description** |
| 1 | ID | Int | 10 | Primary Key | Page ID |
| 2 | PageType | Varchar | 100 | Not Null | Type of Page |
| 3 | PageTitle | Mediumtext | 150 | Not Null | Title of Page |
| 4 | PageDescription | Mediumtext | 150 | Not Null | Description of Page |
| 5 | Email | Varchar | 200 | Not Null | Email of Page |
| 6 | MobileNumber | Bigint | 10 | Not Null | MobileNumber of Page |
| 7 | UpdationDate | Timestamp | 10 | Null | Current date and time of page updation |

**Table Name:**tblservice

**Purpose:**To store the details of Service for Events

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Field Name** | **Datatype** | **Size** | **Constraint** | **Description** |
| 1 | ID | Int | 10 | PrimaryKey & Unique | Id of Service |
| 2 | ServiceName | Varchar | 200 | Not Null | Name of Service |
| 3 | SerDes | Varchar | 250 | Not Null | Description of Service |
| 4 | ServicePrice | Varchar | 200 | Not Null | Price of Service |
| 5 | CreationDate | Timestamp | 10 | Null | Current date and time of Service Creation |

**Table Name:**tbluser

**Purpose:**To store the details of registered users

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Field Name** | **Datatype** | **Size** | **Constraint** | **Description** |
| 1 | ID | Int | 10 | Primary Key | ID of User |
| 2 | FullName | Varchar | 200 | Not Null | Name of User |
| 3 | MobileNumber | Bigint | 10 | Not Null | Mobile Number of User |
| 4 | Email | Varchar | 200 | Not Null | Email of User |
| 5 | Password | Varchar | 200 | Not Null | Password of User |
| 6 | RegDate | Timestamp | 10 | Null | Current Registered Date and Time of User |

### USER INTERFACE DESIGN

**Home Page**

|  |
| --- |
|  |
| EVENT **.**Login  SERVICE HOME | ABOUT | SERVICES | ABOUT US **.**Register  BOOKING **.**Admin  SYSTEM |
|  |
| No,123,XYZ STREET,ABC COLONY,INDIA [events@gmail.com](mailto:events@gmail.com) +1234567890 |

### User Login

LOGIN NOW

Forgot Password?

Register Yourself

Password

abc@gmail.com

**Admin Login**

ESBS

**Welome to Admin Login**

Please sign in

Username

admin

Password

**…….**

Forgot Password Back Home!!

EVENT SERVICE BOOKING SYSTEM

Sign In

**Admin Dashboard**

Total Approved Booking

1

Total New Booking

1

5

Total Read Queries

Total Unread Queries

1

4

Total Event Type

Total Services

6

1

Total Cancelled Booking

### User Registration

Register Yourself

Already have an account!!!!

Full Name

Register NOW

Confirm Password

Password

Mobile Number

E-mail

**Services**

List of serices provided by us.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Package Name | Description | Price | Action |
| 1 | Wedding DJ | (we install the DJ equipment before your ceremony or after your wedding breakfast) | $800 | Book Services |
| 2 | Party DJ | (we install the DJ equipment 1hour before your seleted event start time) | $700 | Book Services |
| 3 | Ceremony  Music | Our Ceremony music service is a popular add on on to our wedding DJ stay all day hire. | $650 | Book Services |
| 4 | Photo Booth  Hire | (early equipment setup included) | $600 | Book Services |
| 5 | Karoke Add-On | Karoke is a great alternative to a diso.It’s perfet for staff parties and children’s parties. | $700 | Book Services |
| 6 | Uplighters | Uplighters are bright lighting features which are installed on the floor and shine a vibrate wash of colour over walls. | $650 | Book Services |
| 7 | Singing & Dancing | Singing and Dancing till event ends. | $700 | Book Services |

**UserView – Book Services**

Book

**Book Services**

Booking From:

Booking To:

Type of Event:

Number of Guest:

+

Message(If any)

dd-mm-yyyy

dd-mm-yyyy

Choose Event Type

**UserView-Booking History**

List of booking

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Booking ID | Customer Name | Mobile Number | Email | Booking Date | Status | Action |
| 1 | 347642822 | Kumar | 123456789 | kumar@gmail.com | 2023-02-16 10:15:05 | Not Updated Yet | View |

**View Booking**

|  |  |  |  |
| --- | --- | --- | --- |
| **Client Name** | Kumar | **Mobile Number** | **123456789** |
| **Email** | kumar@gmail.com | **Booking from** | 2023-02-16 |
| **Booking To** | 2023-02-19 | **Number of Guest** | 10 |
| **Event type** | Pre Engagement | **Message** | NA |
| **Service Name** | Photo Booth Hire | **Service Description** | (early equipment setup inluded) |
| **Service Price** | $500 | **Apply Date** | 2023-02-16 10:15:05 |
| **Order Final Status** | Approved | **Admin Remark** | Approved |

**Booking Number:347642822**

### AdminView-Take Action

**Remark:**

Your booking has been approved.

Approved **v**

**Status:**

Close

Update

### AdminView-Add Services

Service Name:

Service Description:

Service Price:

Add Services

**+ Add**

### AdminView-Add Event Type

**+Add**

Event Type:

Add Event Type

### AdminView-Total Booking

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | BOOKING ID | CUSTOMER NAME | MOBILE NUMBER | EMAIL | BOOKING DATE | STATUS ACTION |
| 1 | 422701508 | Ravi | 1234567890 | ravi@gmail.com | 2023:02:15 12:02:40 | Approved View |
| 2 | 422701509 | Arjun | 1233585785 | arjun@gmail.com | 2023:02:16 12:02:40 | Cancelled View |
| 3 | 422701510 | kumar | 9252654268 | kumar@gmail.com | 2023:02:1712:02:40 | Approved View |

### 

**AdminView-Manage Services**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **SERVICE NAME** | **SERVICE PRICE** | **CREATION DATE** | **ACTION** |
| 1 | Party DJ | $800 | 2020-02-11 12:47:22 | DELETE |
| 2 | Uplighters | $750 | 2020-02-14 12:57:22 | DELETE |

**AdminView-Manage Event Type**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **EVENT NAME** | **CREATION DATE** | **ACTION** |  |
| 1 | Wedding | 2020-02-11 12:47:22 | DELETE |  |
| 2 | Birthday | 2020-02-12  12:47:22 | DELETE |  |

**AdminView-Between Dates Report**

From Date:

To Date:

Between Dates Reports

dd-mm-yyyy

dd-mm-yyyy

**+Submit**

**UserView-Post Feedback**

Send Us a Message

Full Name

Email

Message

**Submit**

**AdminView-View Queries (Feedback)**

**View Queries**

|  |  |
| --- | --- |
| **Name** | Ram |
| **Email** | ram@gmail.com |
| **Message** | Very good.Thank you. |

* 1. **NORMALIZATION**

Normalization is the process of organizing the data in the database. Normalization is used to minimize the redundancy from a relation or set of relations.It is also used to eliminate the undesirable characteristics like Insertion, Update and Deletion Anomalies. Normalization divides the larger table into the smaller table and links them using relationship. The normal form is used to reduce redundancy from the database table.

### First Normal Form(1NF)

For a table to be in the First Normal Form,it should follow the following 4 rules:

* + - It should only have single (atomic) valued attributes/columns
    - Values stored in a column should be of the same domain
    - All the columns in a table should have unique names
    - And the order in which data is stored,does not matter

### Second Normal Form(2NF)

For a table to be in the Second Normal Form,

* + - It should be in the First Normal form
    - And ,it should not have Partial Dependency.Partial Dependency occurs when a non-prime attribute is functionally dependent on part of a candidate key

### Third Normal Form(3NF)

A table is said to be in the Third Normal Form when,

* + - It is in the Second Normal form.
    - And, it doesn't have Transitive Dependency.

### Boyce and Codd Normal Form (BCNF)

Boyce and Codd Normal Form is a higher version of the Third Normal form. This form deals with certain type of anomaly that is not handled by 3NF. A 3NF table which does not have multiple overlapping candidate keys is said to be in BCNF. For a table to be in BCNF, following conditions must be satisfied:

* + - R must be in 3rd Normal Form
    - For each functional dependency (X→ Y),X should be a super Key.

### Fourth Normal Form (4NF)

A table is said to be in the Fourth Normal Form when,

* + - It is in the Boyce-Codd Normal Form.
    - And, it doesn't have Multi-Valued Dependency.