

INTRODUCTION

1.1 OVERVIEW

The Project Titled “THE FRIENDS CABLE OPERATORS” is a software for viewing and accessing the data of various networks such as Airtel,Sundirect,Videocon,Tatasky and some other local networks such as ACT.

It Makes the user to choose the network which suits them and can access the network which they want.

1.2 DATABASE MANAGEMENT SYSTEM

A database management system (DBMS) is system software for creating and managing databases. The DBMS provides users and programmers with a systematic way to create, retrieve, update and manage data. The DBMS essentially serves as an interface between the database and end users application programs, ensuring that data is consistently organized and remains easily accessible.

The DBMS manages three important things: the data, the database engine that allows data to be accessed, locked and modified ,and the database schema, which defines the database’s logical structure. These three foundational elements help to provide concurrency, security, data integrity and uniform administration procedures. Typical database administration tasks supported by the DBMS include change management, performance monitoring/tuning and backup and recovery. Many database management systems are also responsible for automated rollbacks, restarts and recovery as well as the logging and auditing of activity.

1.3 SQL

SQL is a standard language for storing, manipulating and retrieving data in databases.

Originally based upon relational algebra and tuple relational calculus, SQL consists of a data definition language, data manipulation language, and data control language. The scope of SQL includes data insert, query, update and delete, schema creation and modification, and data access control.

SQL became a standard of the American National Standards Institute (ANSI) in 1986, and of the International Organization for Standardization (ISO) in 1987.[13] Since then, the standard has been revised to include a larger set of features. Despite the existence of such standards, most SQL code is not completely portable among different database systems without adjustments.

1.4 HTML,CSS

HTML is a markup language used for structuring and presenting content on the web and the fifth and current major version of the HTML standard.

HTML5 includes detailed processing models to encourage more interoperable implementations; it extends, improves and rationalizes the markup available for documents, and introduces markup and application programming interfaces (APIs) for complex web applications.

CSS is the language for describing the presentation of Web pages, including colors, layout, and fonts. It allows one to adapt the presentation colors, layout, and fonts. It allows one to adapt the presentation to different types of devices, such as large screens, small screens, or printer. CSS is independent of HTML and can be used with any XML based Markup language.

REQUIREMENTS SPECIFICATION

A computerized way of handling information about property and users details is efficient, organized and time saving, compared to a manual way of doing so. This is done through a database driven web application whose requirements are mentioned in this section.

2.1 OVERALL DESCRIPTION

A reliable and scalable database driven web application with security features that is easy to use and maintain is the requisite.

2.2 SPECIFIC REQUIREMENTS

The specific requirements of the “dth network prices” are stated as follows:

2.2.1 SOFTWARE REQUIREMENTS

- ☐ Web Browser – Mozilla firefox or Google Chrome – 60 or later
- ☐ Database support - MySQL 5.7
 - MySQL Server 5.7
 - MySQL Shell 1.0.10
 - MySQL Workbench
- ☐ Operating system – Windows 8.1
- ☐ XAMAPP
- ☐ Server deployment - apache server

2.2.2 HARDWARE REQUIREMENTS

- ☐ Processor – Pentium or more
- ☐ RAM – 2 GB or more
- ☐ Hard disk – 3 GB or more
- ☐ Monitor – VGA of 1024x768 screen resolution
- ☐ Keyboard and Mouse

2.2.3 TECHNOLOGY:

- HTML is used for the front end design. It provides a means to structure text based information in a document. It allows users to produce web pages that include text, graphics and hyperlinks.
- CSS (Cascading Style Sheets) is a style sheet language used for describing the presentation of a document written in a markup language. Although most often used to set the visual style of web pages and user interfaces written in HTML and XHTML, the language can be applied to any XML document.
- SQL is the language used to manipulate relational databases. It is tied closely with the relational model. It is issued for the purpose of data definition and data manipulation.
- We require a PHP connection between the front end and back end components to write to the database and fetch required data.

DETAILED DESIGN

3.1 E-R DIAGRAM

An entity–relationship model is usually the result of systematic analysis to define and describe what is important to processes in an area of a business.

An E-R model does not define the business processes; it only presents a business data schema in graphical form. It is usually drawn in a graphical form as boxes (entities) that are connected by lines (relationships) which express the associations and dependencies between entities.

Entities may be characterized not only by relationships, but also by additional properties (attributes), which include identifiers called "primary keys". Diagrams created to represent attributes as well as entities and relationships may be called entity-attribute-relationship diagrams, rather than entity-relationship models.

An ER model is typically implemented as a database. In a simple relational database implementation, each row of a table represents one instance of an entity type, and each field in a table represents an attribute type. In a relational database a relationship between entities is implemented by storing the primary key of one entity as a pointer or "foreign key" in the table of another entity.

There is a tradition for ER/data models to be built at two or three levels of abstraction. Note that the conceptual-logical-physical hierarchy below is used in other kinds of specification, and is different from the three schema approach to software engineering. While useful for organizing data that can be represented by a relational structure, an entity-relationship diagram can't

sufficiently represent semi-structured or unstructured data, and an ER Diagram is unlikely to be helpful on its own in integrating data into a pre-existing information system.



Fig.E-R diagram of cable networks.

3.2 DESCRIPTION OF TABLES

The database consists of five Tables

1.AIRTEL

It Stores the Airtel Plans Info

- Plan Type
- Plan Price
- Plan Validity
- Plan benefits

2.SUN DIRECT

It Stores the Sundirect Plans Info

- Plan Type
- Plan Price
- Plan Validity
- Plan benefits

3.VIDEOCON

It Stores the Videocon Plans Info

- Plan Type
- Plan Price
- Plan Validity
- Plan benefits

4.TATASKY & LOCLAL NETWORK(ACT)

It Stores the Videocon Plans Info

- Plan Type
- Plan Price
- Plan Validity
- Plan benefits

IMPLEMENTATION

4.1 FRONT END

4.1.1 Homepage.html

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
background-image: url("https://banner2.cleanpng.com/20180302/eye/kisspng-television-clip-
art-vector-vintage-tv-5a99486c685c08.1460273115199949884275.jpg");
background-size: 109% 119%;
}
<title>Cable Operators</title>
</style>
</head>
<body>
<h1 style="background-color:orange;font-size:40px;"><em><center>Friends Cable
Operators</em></h1>
<h1 style="color:black;font-size:25px;"><left corner><em>INFORMATION:</em></h1>

<p style="color:black;font-size:20px;">* Cable operators are required to deliver signals
directly to the consumer's
television receiver's
under some circumstances.<br>
* For local cable networks payments should be done to the cable operator only.<br>
<h2 style="colour:black;font-size:23px;"><i>SERVICES PROVIDED:</i></h2>
<p style="color:black;font-size:20px;">*We will establish connections for all kind of cable
networks.<br>
*For local cable networks subscriptions can be changed by contacting cable operator.<br>
*For any queries contact Mobile no:+919866239307.</p>
<h3 style="color:black;font-size:23px;"><i>DISCLAIMER:</i></h3>
<p style="color:black;font-size:20px;">*Any delay in monthly payments it leads to loss of
your cable connection.
<marquee><p style="color:rgb(65,105,225); font-size:25px;"><b>SIGN IN and REGISTER to
know Networks available</b></p> </marquee>
<p align="center">
<button type="button" style="background-color:red;border-color:black;color:white;"
onclick="document.location='http://localhost/ashhhh/reg.html'">REGISTER</button>
</p>
<p align="center">
```



```
<button type="button" style="background-color:red;border-
color:black;color:white;"onclick="document.location='http://localhost/ashhhh/login.html'">SIG
N IN</button>
</p>
</body>
</html>
```

4.1.2 registration.html

```
<!DOCTYPE html>
<html>
<head>
<title>registration form</title>
<div style="background-image: url('images.1.jpg'); background-size:fill">

<style>
table td,th
{
border:1px solid black;
width:35%;
text-align:center;
background-color:transparent;
}
</style>

</head>
<form action="reg.php" method="post">

<div class="container">
<table align="center" style="height:520px";width:400px" >
<caption><h2>REGISTRATION FORM</h2></caption>
<tr><td><b>NAME:</b></td><td> <input type="text" name="name"placeholder="enter your
name" class="form-control" required=""></td>
<tr><td><b>EMAIL:</b></td><td> <input type="email" name="email"
placeholder="ex:abc@gmail" class="form-control" required=""></td>
<tr><td><b>PASSWORD:</b></td><td> <input type="password" name="password"
class="form-control" placeholder="enter password" required=""></td>
<tr><td><b>CONFIRM PASSWORD:</b></td><td> <input type="password"
name="confirm" class="form-control" placeholder="confirm password" required=""></td>
<tr><td> <input type="submit" name="submit" value="SUBMIT" class="btn btn-primary btn-
md" ></td>
<td rowspan="1;"> <input type="reset" name="clear" value="CLEAR" class="btn btn-primary
btn-md"></td></tr>
```

```
<br>
<br>
<br>
</form>
</body>
</html>
```

4.1.3 login.html

```
<!doctype html>
<html>
<head>
<title>LOGIN FORM</title>
<style>
body {
  background-image: url("a3.jpg");
  background-size: cover;
}
body {
text-align: center;}
table td,th
{
border:1px solid white;
width:35%;
text-align:center;
background-color:transparent;
}
</head>
</style>
<html>
<br>
<br>
<br>
<br>
<br>
<br>
<br>
<br>
  <body>
    <form action="login.php" method="post">
<table align="center" style="height:100px";width:100px" >
<caption><h2>LOGIN FORM</h2></caption>
<tr><td><b>EMAIL ADDRESS:</b></td><td> <input type="email" class="form-control"
placeholder="Email Address" name="email" required=""></td>
```

```
<tr><td><b>PASSWORD:</b></td><td> <input type="password" class="form-control"
name="password" placeholder="Password" required=""></td>
<tr><td> <button type="submit"
onclick="document.location='http://localhost/ashhhh/login.html'"
class="submit">Login</button> </td>
<td rowspan="1;"><button href="reg.html" class="lost-pw">SIGNUP</button></td></tr>

</form></body></html>
```

4.2 BACK END

4.2.1 registration.php

```
<?php
$name = $_POST['name'];
$mail = $_POST['email'];
$password = $_POST['password'];
$confirm = $_POST['confirm'];
include 'connect.php';
if ($password == $confirm) {
    $q = $con->prepare("INSERT INTO register(name,email,password,confirm)
VALUES('$name','$mail','$password','$confirm')");
    $res = $q->execute();
    if ($res) {
        echo
        "<script>alert('successful');</script>";
        echo
        "<script>window.location='login.html';</script>";
    }
}
else {
    echo "<script>alert('password
unmatch');</script>";
    echo
    "<script>window.location='reg.html';</script>";
}

?>
```

4.2.2 connection.php

```
<?php
define('DB_SERVER','localhost');
define('DB_USER','root');
define('DB_DATABASE','cab');
define('DB_PASSWORD','');
define('DB_TYPE','mysql');
```

```
$con = new  
PDO(DB_TYPE.':host="'.DB_SERVER.'";dbname="'.DB_DATABASE,DB_USER,DB_PASS  
WORD);  
?>
```

4.2.3 login.php

```
<?php  
$mail = $_POST['email'];  
$password = $_POST['password'];  
include 'connect.php';  
$q = $con->prepare("SELECT email,password FROM register WHERE email = '$mail' AND  
password = '$password' ");  
$q->execute();  
$res = $q->rowCount();  
if ($res) {  
    echo "<script>alert('login  
    echo  
    "<script>window.location='ddd.php';</script>";  
}  
else {  
    echo "<script>alert('invalid  
    echo  
    user name or password');</script>";  
    echo  
    "<script>window.location='login.html';</script>";  
}  
  
?>
```

4.2.4 insertion table.php

```
<!DOCTYPE html>  
<html>  
<head>  
    <title>table with database</title>  
<meta name="viewport" content="width=device-width, initial-scale=1">  
<style>  
  
table {  
    border-collapse: collapse;  
    width: 100%;  
    opacity: 0.7;
```

```
}
```

```
th, td {  
    text-align: left;  
    padding: 8px;  
}
```

```
table, th, td {  
    border: 1px solid black;  
}
```

```
tr:nth-child(even){background-color: gray}
```

```
th {  
    background-color: cyan;  
    color:red;  
    text-align: center;  
    height: 40px;  
}
```

```
table {  
    border-collapse: collapse;  
    width: 100%;  
}
```

```
table.center {  
    margin-left: auto;  
    margin-right: auto;
```

```
td {  
    text-align: center;  
}
```

```
</style>
```

```
</head>
```

```
<body >
```

```
<?php
```

```
$conn = mysqli_connect('localhost','root','','subscription costs');
```

```
$query = "SELECT
```

```
AIRTEL_DTH_PLAN,AIRTEL_DTH_PLANPRICE,AIRTEL_PLANVALIDITY,AIRTEL_DTH_PLANBENEFITS FROM `airtel dth plans`";
```

```
$result = mysqli_query($conn,$query);
```

```
echo "<table border='1'>
```

```
<tr>
```

```
<th>AIRTEL DTH PLANS</th>
```

```
<th>AIRTEL DTH PLAN PRICE</th>
```

Friends Cable Operators

```
<th>AIRTEL DTH PLAN VALIDITY</th>
<th>AIRTEL DTH PLAN BENEFITS</th>
</tr>";
if($result-> num_rows > 0) {
while ($row = $result-> fetch_assoc()){
echo
"<tr><td>".$row["AIRTEL_DTH_PLAN"]."</td><td>".$row["AIRTEL_DTH_PLANPRICE"
]."</td><td>".$row["AIRTEL_PLANVALIDITY"]."</td><td>".$row["AIRTEL_DTH_PLAN
BENEFITS"]."</td></tr>";
}
}

echo "</table>";
?>
<a href = "https://www.airtel.in/digital-tv"
target = "_blank">click here to visit Airtel tv!</a>
<br>
<br>
<br>
<br>
<?php

$conn = mysqli_connect('localhost','root','','subscription costs');
$query = "SELECT
SUN_DIRECT_DTH_PLANNAME,SUN_DIRECT_DTH_PLANPRICE,SUN_DIRECT_DTH
H_PLANVALIDITY,SUN_DIRECT_DTH_PLANBENEFITS FROM `sun direct dth plans`";
$result = mysqli_query($conn,$query);
echo "<table border='1'>
<tr>
<th>SUN DIRECT DTH PLANNAME</th>
<th>SUN DIRECT DTH PLANPRICE</th>
<th>SUN DIRECT DTH PLANVALIDITY</th>
<th>SUN DIRECT DTH PLANBENEFITS</th>
</tr>";
if($result-> num_rows > 0) {
while ($row = $result-> fetch_assoc()){
echo
"<tr><td>".$row["SUN_DIRECT_DTH_PLANNAME"]."</td><td>".$row["SUN_DIRECT_
DTH_PLANPRICE"]."</td><td>".$row["SUN_DIRECT_DTH_PLANVALIDITY"]."</td><t
d>".$row["SUN_DIRECT_DTH_PLANBENEFITS"]."</td></tr>";
}
}
```

Friends Cable Operators

```
echo "</table>";
?>
```

```
<a href="https://www.sundirect.in/"
target="_blank">click here to visit Sun network!</a>
<br>
<br>
<br>
<br>
<?php
```

```
$conn = mysqli_connect('localhost','root','','subscription costs');
$query = "SELECT
TATASKY_DTH_PLANNAME,TATASKY_DTH_PLANPRICE,TATASKY_DTH_PLANV
ALIDITY,TATASKY_DTH_PLANBENEFITS FROM `tata sky dth plans`;
$result = mysqli_query($conn,$query);
echo "<table border='1'>
<tr>
<th>TATASKY DTH PLANNAME</th>
<th>TATASKY DTH PLANPRICE</th>
<th>TATASKY DTH PLANVALIDITY</th>
<th>TATASKY DTH PLANBENEFITS</th>
</tr>";
if($result-> num_rows > 0) {
while ($row = $result-> fetch_assoc()){
echo
"<tr><td>".$row["TATASKY_DTH_PLANNAME"]."</td><td>".$row["TATASKY_DTH_P
LANPRICE"]."</td><td>".$row["TATASKY_DTH_PLANVALIDITY"]."</td><td>".$row["
TATASKY_DTH_PLANBENEFITS"]."</td></tr>";
}
}
}
```

```
echo "</table>";
?>
<a href="https://www.tatasky.com/"
target="_blank">click here to visit Tatasky!</a>
<br>
<br>
<br>
<br>
<?php
```

```
$conn = mysqli_connect('localhost','root','','subscription costs');
```

Friends Cable Operators

```
$query = "SELECT
VIDEOCON_D2H_PLANNAME,VIDEOCON_D2H_PLANPRICE,VIDEOCON_D2H_PLA
NVALIDITY,VIDEOCON_D2H_PLANBENEFITS FROM `videocon d2h plans`;
$result = mysqli_query($conn,$query);
echo "<table border='1'>
<tr>
<th>VIDEOCON D2H PLANNAME</th>
<th>VIDEOCON D2H PLANPRICE</th>
<th>VIDEOCON D2H PLANVALIDITY</th>
<th>VIDEOCON D2H PLANBENEFITS</th>
</tr>";
if($result-> num_rows > 0) {
while ($row = $result-> fetch_assoc()){
echo
"<tr><td>".$row["VIDEOCON_D2H_PLANNAME"]."</td><td>".$row["VIDEOCON_D2H_
PLANPRICE"]."</td><td>".$row["VIDEOCON_D2H_PLANVALIDITY"]."</td><td>".$row
["VIDEOCON_D2H_PLANBENEFITS"]."</td></tr>";
}
}

echo "</table>";
?>
<a href ="https://www.d2h.com/"
target="_blank">click here to visit d2h!</a>
<br>
<br>
<br>
<br>
<?php

$conn = mysqli_connect('localhost','root','','subscription costs');
$query = "SELECT
ACT_DTH_PLANNAME,ACT_DTH_PLANPRICE,ACT_DTH_PLANVALIDITY,ACT_DT
H_PLANBENEFITS FROM `local(act dth plans)`";
$result = mysqli_query($conn,$query);
echo "<table border='1'>
<tr>
<th>ACT DTH PLANNAME</th>
<th>ACT DTH PLANPRICE</th>
<th>ACT DTH PLANVALIDITY</th>
<th>ACT DTH PLANBENEFITS</th>
</tr>";
if($result-> num_rows > 0) {
```



```
while ($row = $result-> fetch_assoc()){
    echo
    "<tr><td>".$row["ACT_DTH_PLANNAME"]."</td><td>".$row["ACT_DTH_PLANPRICE"]
    ."</td><td>".$row["ACT_DTH_PLANVALIDITY"]."</td><td>".$row["ACT_DTH_PLANB
    ENEFITS"]."</td></tr>";
}
}

echo "</table>";
?>
<br>

*This Has To Be Contacted To The Local Cable Operator.
<br>
<br>
</body>
</html>
```

4.4 RESULT

The resulting system is able to:

- ☐ Authenticate user credentials during login.
- ☐ Salted encryption for security of user passwords.
- ☐ Register new users
- ☐ Allow users to view historical data of all networks.
- ☐ Allow user to see network present in the website.
- ☐ Ability to choose and buy which subscription they want to.

TESTING

TEST CASES

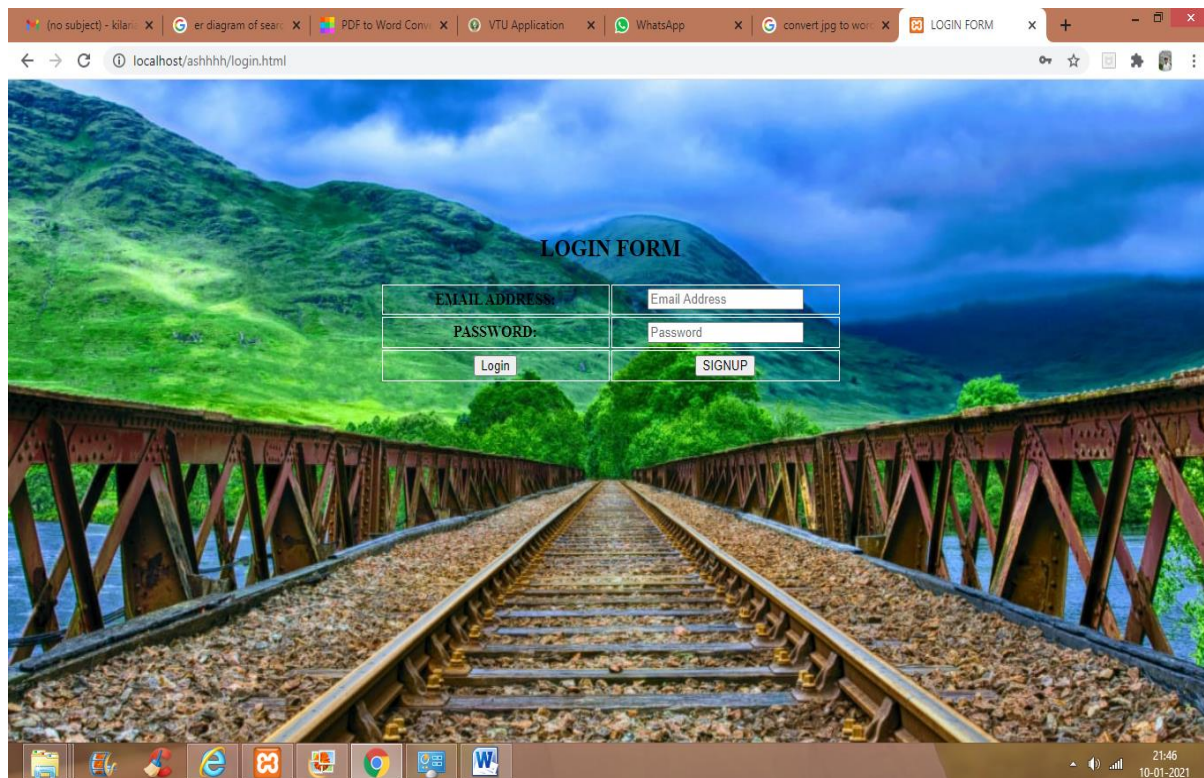
TEST CASE DESCRIPTION	TEST CASE	EXPECTED O/P	OBTAINED O/P	RESULT
Sign In	User inputs correct email id and password	Successful sign in	Successful sign in	PASS
Sign In	User inputs incorrect email / password	Sign In Failed	Sign In Failed	PASS
Sign Up	User inputs already existing email id	Sign Up Failed	Sign Up Failed	PASS
Sign Up	User inputs fresh email and password	Sign Up Successful	Sign Up Successful	PASS
Register	User inputs already existing FID	System prompts for fresh FID	System prompts for fresh FID	PASS

SNAP SHOTS

6.1 HOME PAGE



6.2 LOGIN PAGE



6.3 REGISTRATION PAGE

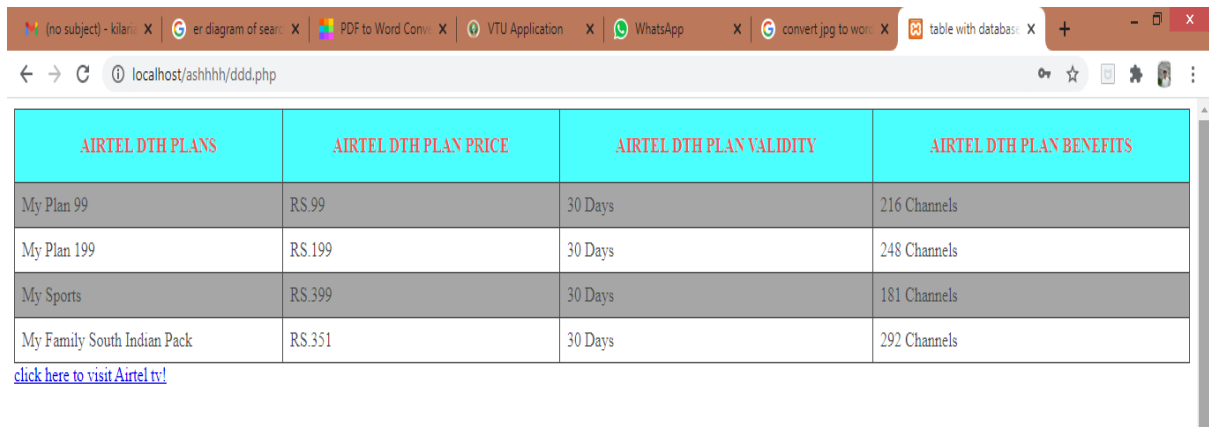


REGISTRATION FORM

NAME:	<input type="text" value="enter your name"/>
EMAIL:	<input type="text" value="ex.abc@gmail"/>
PASSWORD:	<input type="password" value="enter password"/>
CONFIRM PASSWORD:	<input type="password" value="confirm password"/>
<input type="button" value="SUBMIT"/>	<input type="button" value="CLEAR"/>

6.3 LIST OF TABLES

6.3.1 AIRTEL DTH



AIRTEL DTH PLANS	AIRTEL DTH PLAN PRICE	AIRTEL DTH PLAN VALIDITY	AIRTEL DTH PLAN BENEFITS
My Plan 99	RS.99	30 Days	216 Channels
My Plan 199	RS.199	30 Days	248 Channels
My Sports	RS.399	30 Days	181 Channels
My Family South Indian Pack	RS.351	30 Days	292 Channels

[click here to visit Airtel tv!](#)

6.3.2 SUNDIRECT DTH

SUN DIRECT DTH PLANNAME	SUN DIRECT DTH PLANPRICE	SUN DIRECT DTH PLANVALIDITY	SUN DIRECT DTH PLANBENEFITS
Value Plus Pack	RS.300	30 Days	246 Channels
Mega Pack	RS.399	30 Days	324 Channels
Sapna Pack	RS.249	30 Days	286 Channels
Apna Pack	RS.199	30 Days	286 Channels

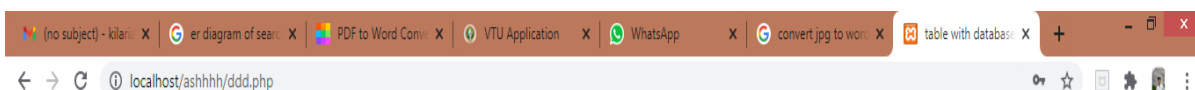
[click here to visit Sun network!](#)

6.3.3 VEDIOCON D2H

VIDEOCON D2H PLANNAME	VIDEOCON D2H PLANPRICE	VIDEOCON D2H PLANVALIDITY	VIDEOCON D2H PLANBENEFITS
Super Gold	RS.300	30 Days	202 Channels + 43 Popular Channels
New Diamond	RS.331	30 Days	204 Channels +45 Popular Channels
Platinum HD	RS.725	30 Days	276 Channels + 35 HD Channels +80 Popular Channels
New Gold Sports HD	RS.550	30 Days	231 Channels + 21 HD Channels + 58 Popular Channels

[click here to visit d2h!](#)

6.3.4 TATASKY DTH



TATASKY DTH PLANNAME	TATASKY DTH PLANPRICE	TATASKY DTH PLANVALIDITY	TATASKY DTH PLANBENEFITS
Value Pack	RS.210	30 Days	159 Channels
Bronze Pack	RS.250	30 Days	164 Channels
Gold Pack	RS.390	30 Days	216 Channels
Max HD Packs	RS.550	30 Days	239 Channels

[click here to visit Tatasky!](#)

6.3.5 LOCAL NETWORK(ACT)

ACT DTH PLANNAME	ACT DTH PLANPRICE	ACT DTH PLANVALIDITY	ACT DTH PLANBENEFITS
Basic Pack	RS.250	30 Days	164 Channels
Basic Data Pack	RS.499	30 Days	214 Channels + 50GB Net
HD Value Pack	RS.599	30 Days	150 Channels + 24 Popular Channels
Value HD Data Pack	RS.799	30 Days	209 Channels + 21 Popular Channels +75GB DATA

*This Has To Be Contacted To The Local Cable Operator.

CONCLUSION

- * It is very cost-effective and time saving Online DTH portal project in Php.
- * One does not need to go away to check the information about the dth subscriptions.
- * He/She can know the information relevant to each network at a single click and in a very little time stamp.