

CITY GUIDE

An Industrial Internship Report

***Submitted in partial fulfillment for the award of the degree
of***

B.TECH

In

Information Technology

By

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AUGUST 2015

DECLARATION BY THE CANDIDATE

I hereby declare that the project report entitled "**CITY GUIDE**" submitted by me to School of Information Technology & Engineering, Vellore Institute of Technology University, Vellore in partial fulfillment of the requirement for the award of the degree of **B.Tech (Information Technology)** is a record of bonafide **Industrial Internship – ITE399** work carried out by me. I further declare that the work reported in this **Industrial Internship report** has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.

Place: Vellore

Signature of the Candidate

Date:

T PRASHANTH REDDY



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This is to certify that the Industrial Internship report entitled "**CITY GUIDE**" submitted by **T PRASHANTH REDDY (12BIT0077)** to School of Information Technology & Engineering, Vellore Institute of Technology University, Vellore in partial fulfillment of the requirement for the award of the degree of **B.Tech. (Information Technology)** is a record of bonafide **Industrial Internship – ITE399** work carried out by him in **UPTEC IDEALABS PRIVATE LTD**. The **Industrial Internship** project fulfills the requirements as per the regulations of this Institute and in my opinion meets the necessary standards for submission. The contents of this report have not been submitted and will not be submitted either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.

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1. INTRODUCTION

1.1 BACKGROUND

These describes existing mobile city guides and similar solutions, and presents software development technologies like voice XML,jsp and comparison between these different mobile phones and server.

1.2 PROBLEM STATEMENT

The combination of the mobile phone and the Internet server is the trend of the future information development and software applications. Mobile phones are the most commonly used communication tools. Using mobile phones to obtain information is not only quick, but also more convenient shortcut to improve people's lives. we propose the software development architecture based on voice XML services. This framework introduces the three-layer architecture into mobile phone software development. Based on the three-layer architecture, the voice XML based city tour guide system is developed. The Voice XML based city guide system can realize to query information for bus, restaurant and tourist . The voice XML based city guide system has more practical significance.

1.3 IMPORTANCE

As the city guide software which will guide to people who are new to the city to get the bus details ,restaurant address and tourist place information. This

software works on the latest technology on voice XML and jsp. Access from any remote location. Provides appropriate timings. Available by 24 by 7 .

2. OVERVIEW AND PLANNING

2.1 PROPOSED SYSTEM OVERVIEW

The application acts as a vanguard or pathfinder to the pioneers as well as residents in the city in finding the exact bus service information to reach the destination or the tourist place. It congregates the required information and provides the exact bus service information to catch up. Thus, helps user in channelizing the path through the use of technology

2.2 CHALLENGES

The system has many challenges which on flexibility ,storage data and more conveniently user friendly and faster access to the guide .As we are doing this subject on behalf even the user no need of internet and also no need of smartphones. Each and every is new to the city can be guided through this system.

2.3 ASSUMPTIONS

We need to pronounce the exact place in which can they get the correct information.

2.4 ARCHITECTURE SPECIFICATIONS

Architecture consists of mainly the deployment server to access the information to the guide quickly .The server need's internet to send the message to the mobile phone for guides.

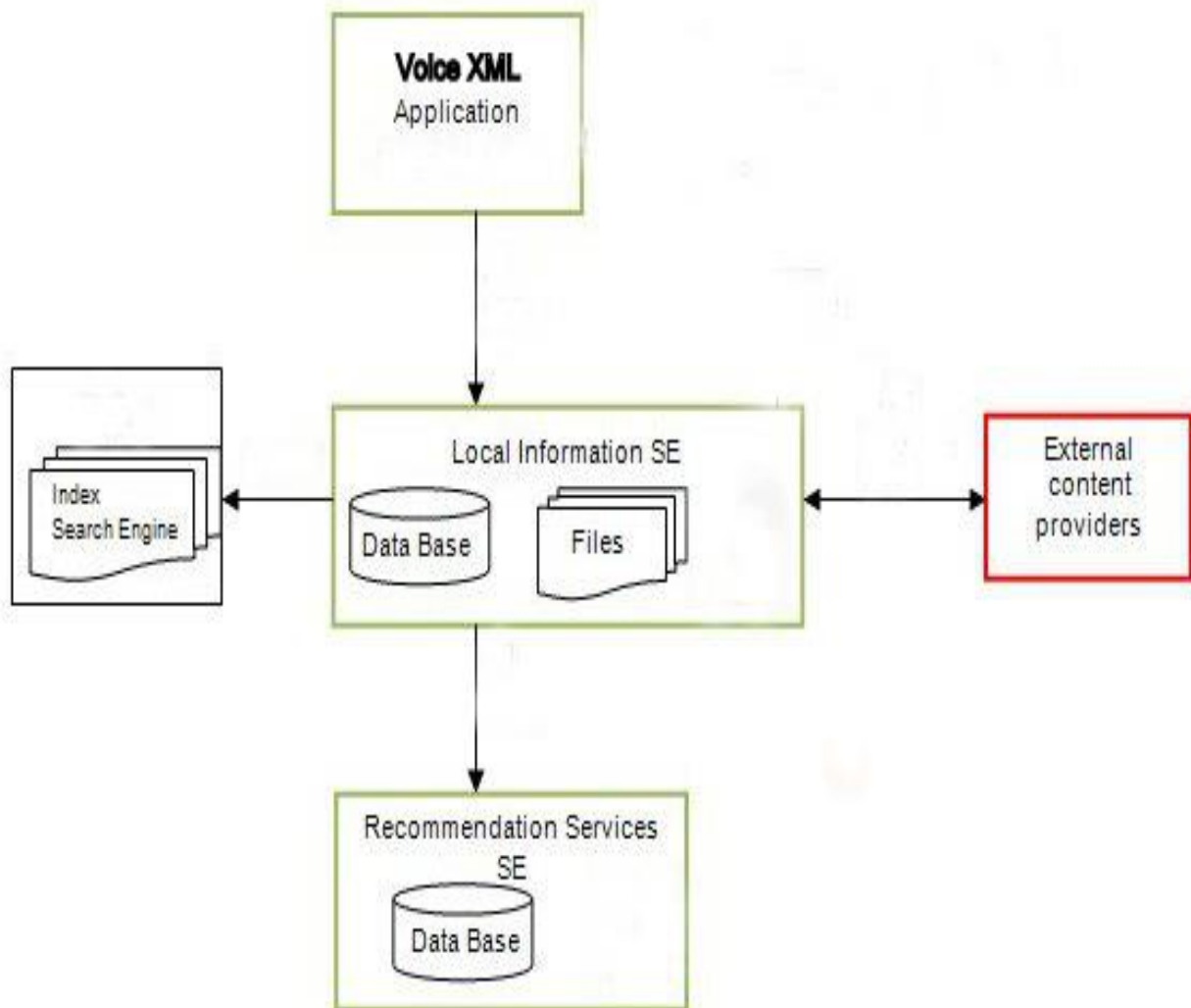


Fig.2.4.1

2.5 HARDWARE REQUIREMENTS (OPTIMUM REQUIREMENTS)

- > mainframe server
- > mobile phone

2.6 SOFTWARE REQUIREMENTS

- > Design for databases
- > Eclipse
- > MySql Database
- >voxeo prophecy server

2.7 PROJECT SCHEDULE (GANTT CHART)

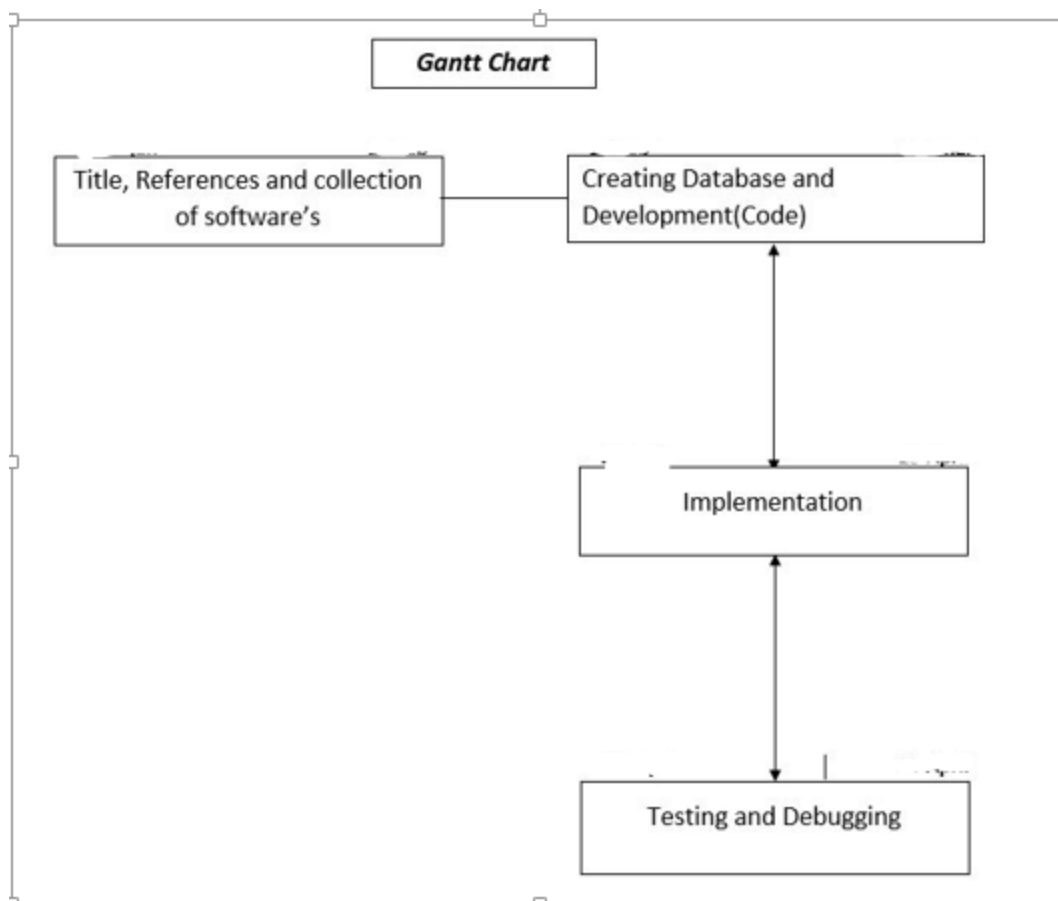


Fig.2.7.1

2.8 WORK BREAKDOWN STRUCTURE

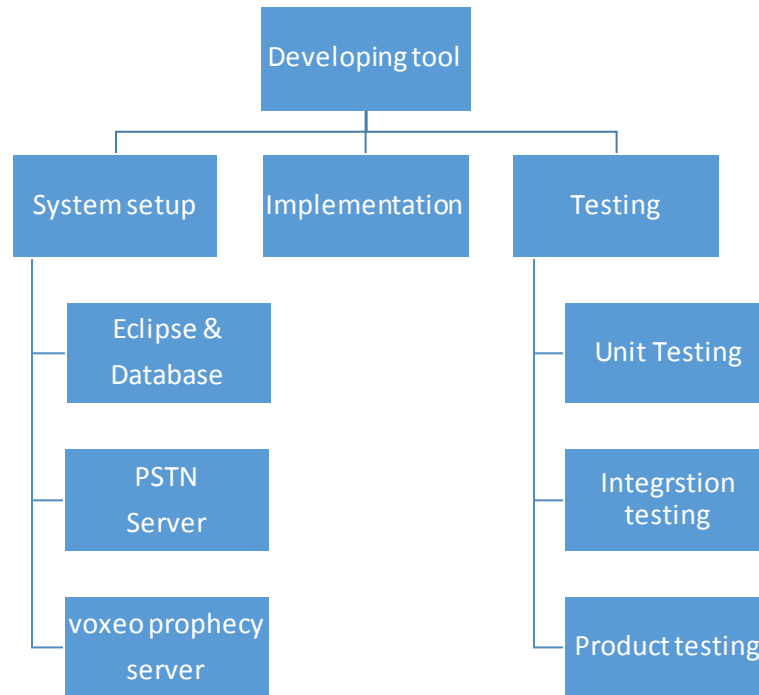


Fig.2.8.1

3. LITERATURE SURVEY AND REVIEW

3.1 LITERATURE SURVEY

The city guide needed to the people new to the city. As the technology is well developed the city guide application is developed in some of the OS platform which it contains the smartphones and even Internet on it . But in this subject we are totally free of smartphone's and Internet . The user must need an mobile phone with contain certain sim

network .They can get information through the sms when they asked to guided network with IVRS with exact information

4. SYSTEM DESIGN

4.1 HIGH-LEVEL DESIGN

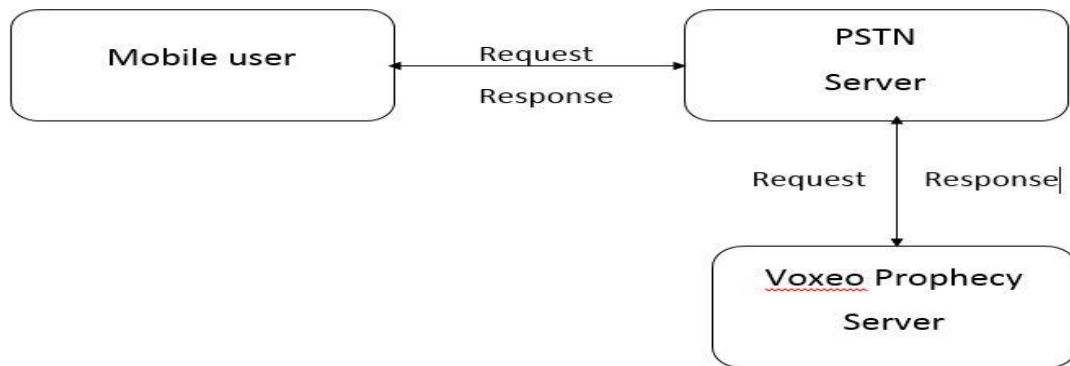


Fig.4.1.1

4.2 LOW-LEVEL DESIGN

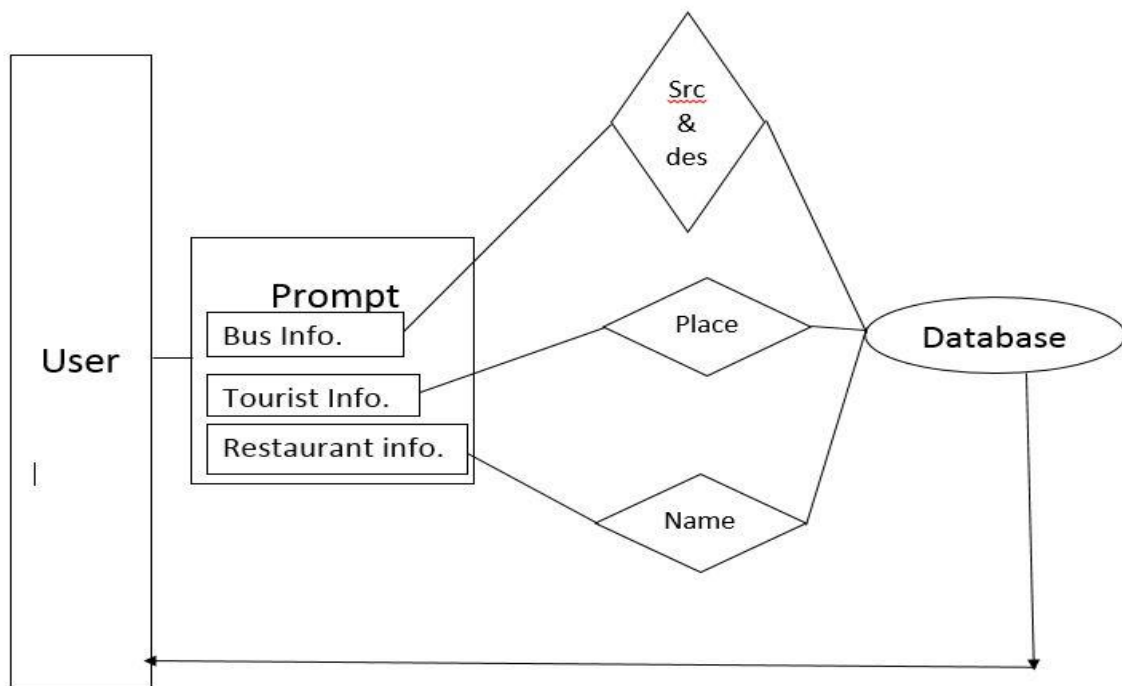


Fig.4.2.1

5. SYSTEM IMPLEMENTATION

5.1 CODE

1.Home.jsp

```
<?xml version="1.0" encoding="UTF-8"?>
<vxml version="2.1">
<var expr="session.callerid" name="called"></var>
<form>
<field name="a" type="digits">
<prompt>Welcome to city guide</prompt>
</field>
<block>
  <submit next="./UserValidation" namelist="called"/>
  <!--
<submit next="Feedback1.jsp"/>
-->
</block>
</form>
</vxml>
```

2.RegisteredUser.jsp

```
<?xml version="1.0" encoding="UTF-8" ?>
```

```

<%@page import="com.utility.CG"%>
<%@page import="java.sql.*"%>
<vxml version="2.1">
<form>
<field name="ureg">
<%
HttpSession ses=request.getSession();
String no=(String)ses.getAttribute("1");
String name=null;
try{

Connection con=CG.getConnection();
Statement stat=con.createStatement();

ResultSet rs=stat.executeQuery("select user_name from user_details where
phone_number='"+no+"'");

if(rs.next())
{
    name=rs.getString(1);
}
}
catch(SQLException e)
{

```



```

        e.printStackTrace();
    }
    %>

    <prompt>Dear <break size="small"/><%=name %></prompt>

    <prompt>please select one of the category<break size="medium"/> Bus
    Information <break size="medium"/> Tourist Place Information <break
    size="medium"/> Restaurants</prompt>

    <grammar root="ureg">
    <rule id="ureg">
    <one-of>
    <item>Bus Information</item>
    <item>Tourist Place Information</item>
    <item>Restaurants</item>
    </one-of>
    </rule>
    </grammar>
    </field>

    <field name="rep" type="boolean">

    <prompt>Does your selection mean<value expr="ureg"/> say yes to
    continue no to reselect

    </prompt>

    </field>

    <block>

    <if cond='rep=="1"'>

```

```

<submit next="./UserNavigation"/>
<else/>
<clear/>
</if>
</block>
</form>
</vxml>

```

3.UnRegUser.jsp

```

<?xml version="1.0" encoding="UTF-8" ?>
<%@page import="java.util.ArrayList"%>
<%@page import="com.utility.CG"%>
<%@page import="java.sql.*"%>
<vxml version="2.1">
<form>
<field name="uname">
<prompt>Please      Register      to      avail      service      <break
size="medium"/> </prompt>
<prompt>Please provide your name</prompt>
<%
Connection con=null;
Statement st=null;
ResultSet rs=null;

```

```

try
{
    con=CG.getConnection();
    st=con.createStatement();
    rs=st.executeQuery("select * from names");
%>
<grammar root="uname">
<rule id="uname">
<one-of>
<%
while(rs.next())
{
%>
<item><%=rs.getString(1)%></item>
<%
    }
    }
    catch(Exception e)
    {
        e.printStackTrace();
    }
%>

```

```
</one-of>
</rule>
</grammar>
</field>
<field name="gender">
<prompt>Please provide your gender <break size="medium"/> </prompt>
<grammar root="gender">
<rule id="gender">
<one-of>
<item>male</item>
<item>female</item>
</one-of>
</rule>
</grammar>
</field>
<field name="rep2" type="boolean">
<prompt>your name is<value expr="uname"/> and gender is <value
expr="gender"/> say yes to continue no to reselect
</prompt>
</field>
<block>
<if cond='rep2=="1"'>
<submit next="./InsertUserDetails">
```

</submit>

<else/>

<clear/>

</if>

</block>

</form>

</vxml>

4.BusInfo.jsp

<?xml version="1.0" encoding="UTF-8"?>

<%@page import="java.sql.SQLException"%>

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.Statement"%>

<%@page import="com.utility.CG"%>

<%@page import="java.sql.Connection"%>

<vxml version="2.1">

<form>

<field name="source">

<prompt>Please provide the source</prompt>

<grammar root="source">

<rule id="source">

<one-of>

```

<%
Connection con=CG.getConnection();
Statement st=con.createStatement();
ResultSet rs=null;
try{
rs=st.executeQuery("select place_name from place");
while(rs.next())
{
%>
<item><%=rs.getString(1) %></item>
<%
}
}catch(SQLException e)
{
    e.printStackTrace();
}
%>
</one-of>
</rule>
</grammar>
</field>
<field name="dest">

```

```

<prompt>Please provide the destination</prompt>
<grammar root="dest">
<rule id="dest">
<one-of>
<%
ResultSet rs1=null;
try{
    Statement st1=con.createStatement();
rs1=st1.executeQuery("select place_name from place");
while(rs1.next())
{
    %>
<item><%=rs1.getString(1) %></item>
<%
}
}catch(SQLException e)
{
    e.printStackTrace();
}
%>
</one-of>
</rule>

```

</grammar>

</field>

<field name="rep" type="boolean">

<prompt>Does the source is<value expr="source"/> and destination is
<value expr="dest"/> say yes to continue no to reselect</prompt>

</field>

<block>

<if cond='rep=="1"'>

<submit next="./BusInfoProcess"/>

<else/>

<clear/>

</if>

</block>

</form>

</vxml>

5.TouristPlaceInfoPrompt.jsp

<?xml version="1.0" encoding="UTF-8"?>

<form>

<field type="digits">

<%

HttpSession b_info_pro =request.getSession();

ArrayList bno=new ArrayList();

bno=(ArrayList)b_info_pro.getAttribute("b_no");


```

ArrayList bseq=new ArrayList();
bseq=(ArrayList)b_info_pro.getAttribute("b_seq");
String s=null;
String seq[]=null;
ArrayList Stopnames=new ArrayList();
ResultSet rs1=null;
Connection con=CG.getConnection();
String b_n=null;
try
{
Statement st1=con.createStatement();
for(int j=0;j<=bseq.size()-1;j++)
{
s=(String)bseq.get(j);
seq=s.split(",");
for(int i=0;i<seq.length;i++)
{
System.out.println(""+seq[i]);
String s1=seq[i];
String s5="select place_name from place where place_id='"+s1+"'";
System.out.println(s5);
rs1=st1.executeQuery(s5);

```

```

        //stops[i]=null;
        while(rs1.next())
        {
            System.out.println("entered while");
            Stopnames.add(rs1.getString(1));
        }
    }
    b_n=(String)bno.get(j);
    System.out.println(b_n);
    System.out.println(Stopnames);
    %>

    <prompt>
    The Bus Number you have to board to reach destination is<%=b_n%>and
    the Bus stops are

    </prompt>

    <%
    for(Object a:Stopnames)
    {
        String n=(String)a;
    %>

    <prompt>
    <%=n%>

    </prompt>

```

```

<%    }
%>
<%
}
}catch(SQLException e)
{
    e.printStackTrace();
}
System.out.println(bseq);
System.out.println(bno);
System.out.println("bus info prompt");
%>
</field>
</form>
</vxml>

```

9.TouristPlaceCatInfo.jsp

```

<?xml version="1.0" encoding="UTF-8"?>
<vxml version="2.1">
<form>
<%
Connection con=CG.getConnection();
ArrayList tp=new ArrayList();

```

```

Statement st3=con.createStatement();
ResultSet r6=null;
try{
r6=st3.executeQuery("select to_pl_ca_na from tou_pl_cat");
while(r6.next())
{
    tp.add(r6.getString(1));
}
}catch(SQLException e)
{
    e.printStackTrace();
}
%>

<field name="cat"> <!-- Prompting the tourist place category -->

<prompt>Please    select    the    tourist    place    category<br
size="medium"/> </prompt>

<%

for(Object a:tp)
{
    String s=(String)a;
%>

<prompt><%=s%></prompt>

<%

```

```

}
%>
<grammar root="cat">
<rule id="cat">
<one-of>
<%
for(Object a:tp)
{
    String s=(String)a;
%>
<item><%=s%></item>
<%
}
%>
</one-of>
</rule>
</grammar>
</field>
<field name="rep" type="boolean">
<prompt>Does your selected category is <value expr="cat"/> say yes to
continue no to reselect</prompt>
</field>
<block>

```

```
<if cond='rep=="1"'>    <!-- reprompting to know the selected option -->
<submit next="TouristPlaceInfo.jsp"/>
<else/>
<clear/>
</if>
</block>
</form>
</vxml>
```

7.Thankyou.jsp

```
<?xml version="1.0" encoding="UTF-8"?>
<vxml version="2.1">
<form>
<block>
<prompt> Thank you  for using our service.<br size="small"/>Kindly
provide feedback to improve the service </prompt>
<submit next="Feedback1.jsp"/>
</block>
</form>
</vxml>
```

Servlet Code:

1.BusInfoProcess.java

2.UserNavigation.java

```

package com.cityguide;

@WebServlet("/UserNavigation")

public class UserNavigation extends HttpServlet {

    private static final long serialVersionUID = 1L;

    public UserNavigation() {

        super();

    }

    protected void doGet(HttpServletRequest request,
        HttpServletResponse response) throws ServletException, IOException {

        // TODO Auto-generated method stub

        doPost(request,response);

    }

    protected void doPost(HttpServletRequest request,
        HttpServletResponse response) throws ServletException, IOException {

        // TODO Auto-generated method stub

        String selection=request.getParameter("ureg");

        HttpSession sel=request.getSession();

        if(selection.equals("Bus Information"))

        {

            sel.setAttribute("sel", 1);

            RequestDispatcher
rd1=request.getRequestDispatcher("BusInfo.jsp");

            rd1.forward(request, response);

            System.out.println("entered bus info page");

```

```

        System.out.println(""+selection);

    }

    else if(selection.equalsIgnoreCase("Tourist Place Information"))
    {

        sel.setAttribute("sel", 2);

        RequestDispatcher
rd2=request.getRequestDispatcher("TouristPlaceCatInfo.jsp");
        rd2.forward(request, response);

    }

    else if(selection.equalsIgnoreCase("Restaurants"))
    {

        System.out.println("entered navigation");

        sel.setAttribute("sel", 3);

        RequestDispatcher
rd3=request.getRequestDispatcher("RestaurantInfo.jsp");
        rd3.forward(request, response);

    }

}
}

```

3.UserValidation.java

```

package com.cityguide;

import com.utility.CG;

```



```

@WebServlet("/UserValidation")

public class UserValidation extends HttpServlet {

    private static final long serialVersionUID = 1L;

    public UserValidation() {

        super();

    }

    protected void doGet(HttpServletRequest request,
        HttpServletResponse response) throws ServletException, IOException {
        doPost(request, response);
    }

    protected void doPost(HttpServletRequest request,
        HttpServletResponse response) throws ServletException, IOException {

        String uno=request.getParameter("called");

        System.out.println(uno);

        Connection con=null;

        catch(Exception e)
        {

            e.printStackTrace();

        }

    }

}

```

6. RESULTS AND DISCUSSION

6.1 OUTPUT



Fig.6.1.1



Fig.6.1.2

6.2 RESULTS ANALYSIS

Now, we have three categories of customers.

The bank can prepare separate plans for three categories as per their business goals.

6.3 DISCUSSION

City Guide Project in Java is an essential when ever we are visiting a particular city. It gives us the valuable information about the city and saves the time. Our project laid a web based platform for the city guide and can

search every place in the city with out taking the help of any personal guide.
You can search a city for its prominent places of the city user

7. CONCLUSION AND FUTURE WORK

7.1 CONCLUSION

The application helps a person to navigate through the entire city without a guide

at any time in a safe and comfortable manner just away from call. can get social and political information of the city, city culture, security ,entertainment, Business ,Hotels,Jobs etc.

8. REFERENCES

Conference Papers

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Aditya B. Patel, Manashvi Birla, Ushma Nair (6-8 Dec. 2012) "City guide".

Web

<http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6567202>

<http://ieeexplore.ieee.org/xpl/login.jsp?tp=&arnumber=6507520>

<http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=1578784>

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