

**A Mini Project Report**

On

**INTEGRATED CONSTRUCTION PORTAL**

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

**Bachelor of Technology**

In

**Computer Science and Engineering**

by

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**Under the Guidance of**

**Mrs. K.Shailaja,  
Assistant Professor**



**Department of Computer Science and Engineering**  
**ANURAG GROUP OF INSTITUTIONS**  
**(Formerly CVSR College of Engineering)**  
**(An Autonomous Institution, Approved by AICTE and NBA Accredited)**  
**Venkatapur (V), Ghatkesar (M), RR Dist., T.S-500088**  
**(2014-2018)**



# Anurag Group of Institutions

An Autonomous Institution  
(Formerly CVSR College of Engineering)  
Venkatapur (V), Ghatkesar (M), Ranga Reddy (Dist.)  
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## Department of Computer Science and Engineering

### CERTIFICATE

This is to certify that the project entitled “**INTEGRATED CONSTRUCTION PORTAL**” being submitted by **Rishi Madhavaram** bearing the Hall Ticket number **14H61A05A8**, **Talasan Shirisha** bearing the Hall Ticket number **14H61A05B5** and **Chaithanya Karne** bearing the Hall Ticket number **13H61A05F1** in partial fulfillment of the requirements for the award of the degree of the **Bachelor of Technology in Computer Science and Engineering to Anurag Group of Institutions (Formerly CVSR College of Engineering)** is a record of bonafide work carried out by them under my guidance and supervision from july 2017 to oct 2017.

The results presented in this project have been verified and found to be satisfactory. The results embodied in this project report have not been submitted to any other University for the award of any other degree or diploma.

#### **Internal Guide**

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**Asst. Professor**

#### **External Examiner**

#### **Project Coordinator**

**Mr. Pallam Ravi,**  
**Asst. Professor**

**Dr.G.Vishnu Moorthy,**  
**Professor and HoD,**  
**Dept. of CSE**

## **ACKNOWLEDGEMENT**

It is our privilege and pleasure to express profound sense of respect, gratitude and indebtedness to our guide Mrs. K.Shailaja, Asst. Professor, Dept. of Computer Science and Engineering, Anurag Group of Institutions (Formerly CVSR College of Engineering), for her indefatigable inspiration, guidance, cogent discussion, constructive criticisms and encouragement throughout this dissertation work.

We express our sincere gratitude to Dr. G.Vishnu Moorthy, Professor & Head, Department of Computer Science and Engineering, Anurag Group of Institutions (Formerly CVSR College of Engineering), for his suggestions, motivations and co-operation for the successful completion of the work.

We extend our sincere thanks to Dr. K.S.Rao, Director, Dr. V.Vijaya Kumar, Dean, Dept. of CSE & IT, Anurag Group of Institutions (Formerly CVSR College of Engineering), Venkatapur (V), Ghatkesar (M), Ranga Reddy (Dist), for their encouragement.

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Talasan Shirisha (14H61A05B5),

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Dept. of Computer Science & Engineering,

**Anurag Group of Institutions.**

## **DECLARATION**

We hereby declare that the project work entitled “ **INTEGRATED CONSTRUCTION PORTAL**” submitted to the **Anurag Group of Institutions(Formerly CVSR College of Engineering)** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology (B.Tech)** in Computer Science and Engineering is a record of an original work done by us under the guidance of **Mrs. K. Shailaja, Asst. Professor** and this project work have not been submitted to any other university for the award of any other degree or diploma.

Rishi Madhavaram (14H61A05A8),

Talasani Shirisha (14H61A05B5),

Chaithanya Karne (13H61A05F1),

Date: 26-10-2017

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## **1. ABSTRACT**

'Integrated Construction Portal' is a website through which we can get online help from the designers, engineers and Vaastu experts for the construction of new houses or buildings etc. In this site, we will get the list of contractors, engineers and hardware dealers in our locality. There is a form for entering our ideas or concepts and facilities which we want for our home or our office and we will get an estimate of our plan from different Engineers. A user can register in this site and view different plans for the house or similar constructions. There is an opportunity to contact the desired engineers as per our budget.

There is an option to get help from the Vaastu experts. We will get information through email about the exhibitions. There is a chance to view and check the cost of the building materials like marbles, cements, bricks, etc. and user can check the dealers of the building materials and articles from the famous engineers and Vaastu experts.

## **2. INTRODUCTION**

This document will propose all features and procedures to develop the system. Integrated Construction Portal is used to bring the whole construction planning into a single place. Using this system customers can get online help of the designers, engineers and vaastu experts for the construction of our new houses or buildings etc... This system will reduce the time and risk to the citizens compare with manual system. And In this site, we will get the list of contractors, engineers and hardware dealers in our locality. There is a chance to view and check the cost of the building materials like marbles, cements, bricks, etc. and user can check the dealers of the building materials and articles from the famous engineers and Vaastu experts.

## **2.1. SCOPE**

1. Manage house information
2. Maintain house plan types like free type house, premium type house
3. Manage interior and exterior design to the kitchen, bedroom, living room, etc.
4. Maintain Exterior types: - front, rare, side elevations
5. Preserve extra plans to the house, if required
6. Manage companies for building construction materials like sand, iron, etc.
7. Update plans for lower level(ground) and main level(upstairs)
8. Engineer only can add plans to premium type houses
9. Contractor will add extra designs to houses or add design to the new house
10. User can search by bed rooms and plan types to get Engineers, contractor's information only for premium type of houses
11. Maintain Status for plans or Interior or Exterior designs like sanction or reject
12. Download Plans or Interiors or Exteriors designs
13. Maintain vastu information

## **2.2. PURPOSE OF THE PROJECT**

Manual labor is a tiering process when it comes to construction. Planning phase consists of blueprints, designs, raw materials, etc. In order to bring all the elements in a planning phase, it takes a lot of co-ordination between the stakeholders of a project. Thus, creating a system where all the planning involved during construction is brought together and made as a single unit is very much needed. This is where the system 'Integrated Construction Planning' comes to the rescue.

The primary purpose of this system is to reduce the communication gap and latency period in order to plan a construction project. As this system includes all the stakeholders in a project like customer, vastu person, engineer and contractor, everyone can communicate on a single platform. This helps to remove any idea clashes among themselves and forms a clear vision on how the planning must go.

### **2.3. EXISTING SYSTEM**

Through the existing system which is purely manual process and time taking process.

- If a customer wants to buy a new house, plans/designs he must consult a broker, he will give Engineer's and Contractor's information. This process is done manually and is a time taking process.
- If customers want to buy plans, he directly meets Engineers and buys them. Similarly designs also, customers contact the Contractors and buys designs.
- If user wants vastu information, he directly meets vastu persons and asks for details on Houses, Factories, lands, bathrooms etc.
- If customer wants information about raw materials (like cement, bricks, iron, pipes etc.) here too they need to directly meet and ask information. This is an entirely time taking manual process.

### **2.4. PROPOSED SYSTEM**

- In this system customers can view one/two bed room house details by opening the site.
- User friendliness is provided in the application with various controls provided by system rich User Interface. The system makes the overall project management much easier and flexible. It can be accessed over the Intranet.
- If a customer wants free house plans or designs, they can directly download it into their computer as this system contains diverse types of free and premium houses. If a user wants free house plans or designs, they can directly download it. But if he/she wants a premium type house plans/designs they must consult the Engineer/Contractor through app and them.
- In this site, the user can view vastu and the raw materials information.
- Authentication is provided for this application and only registered users can access.

## **2.5. TECHNOLOGIES USED**

We used PHP as Programming language for writing the code for the project as, PHP is a server scripting language, and a powerful tool for making dynamic and interactive Web pages. PHP is a widely-used, free, and efficient alternative to competitors such as Microsoft's ASP.

### **Software Requirements**

- Client-side Technologies: Html, CSS, Bootstrap
- Server-side Technologies: PHP
- Database: My SQL
- Operating System: Windows 10
- Software: Wamp Server

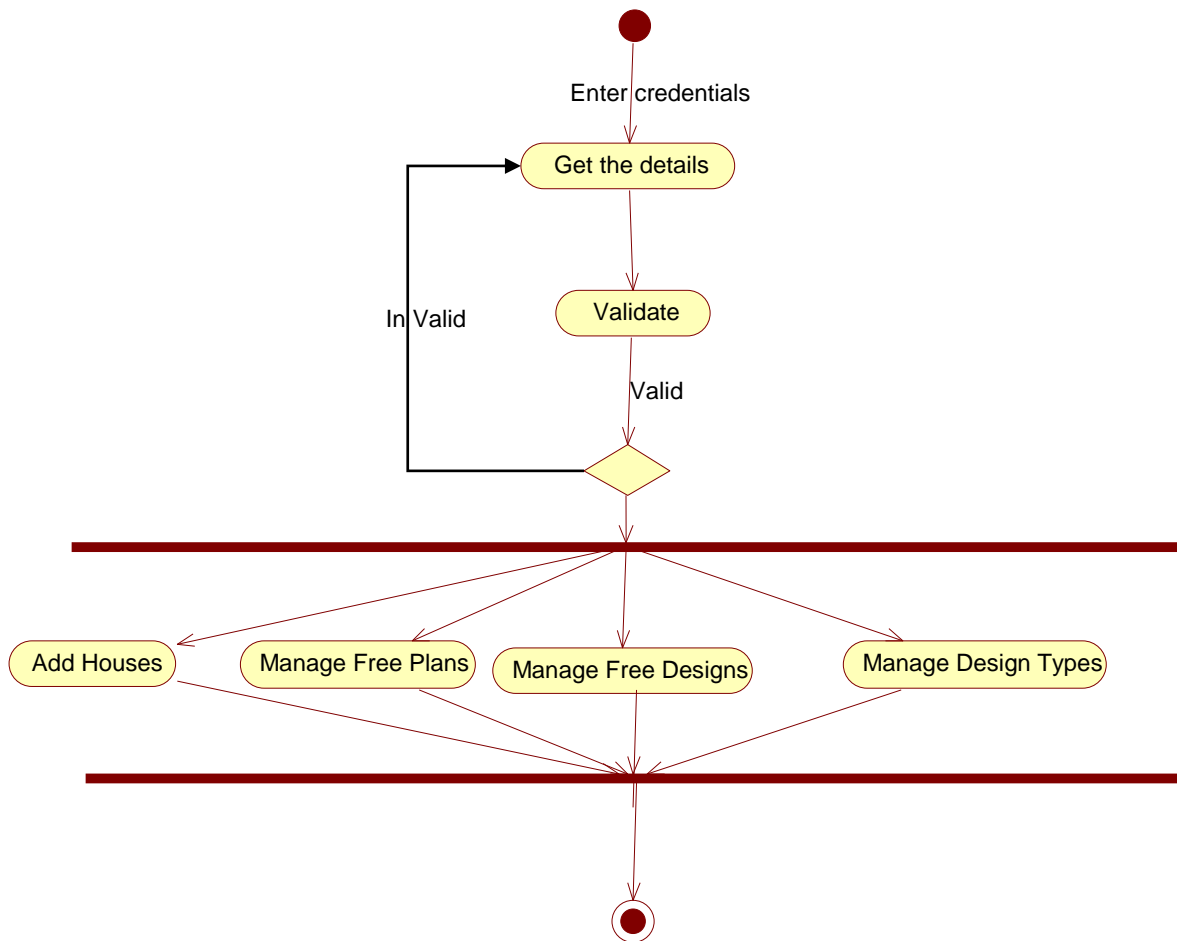
## **2.6. Activity diagrams**

Activity diagram represents the architecture of the device with its interfaces. Activities are triggered according to the flow.

### **DESCRIPTION**

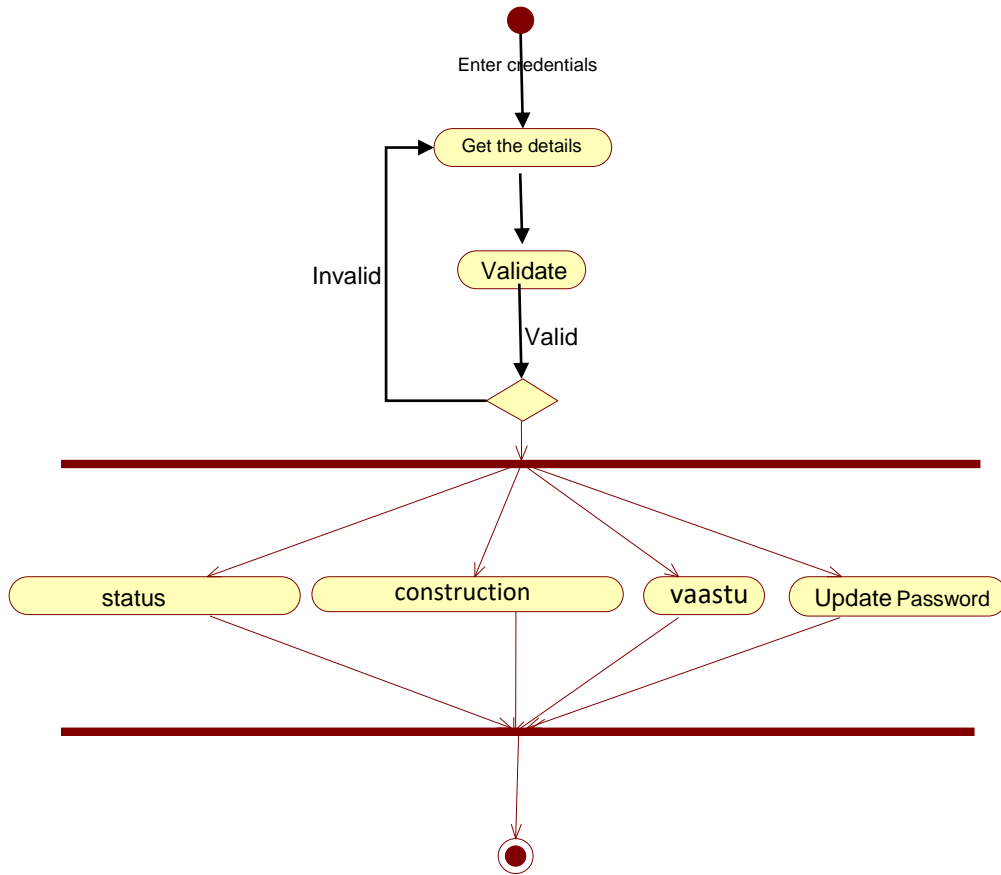
The activity diagram shows the workflow of the activities involved in the system. The user must register, and successful registration must be continued with Login procedure after logging in, the user has two options to do with, namely, buying the product, searching the product. These are the user activities in the system. The user can logout of the website after performing any of these activities. The admin has to login and there is no register option for admin. The admin can update the details of the products. The admin can logout of the website after performing the activities.

### Admin activity diagram:



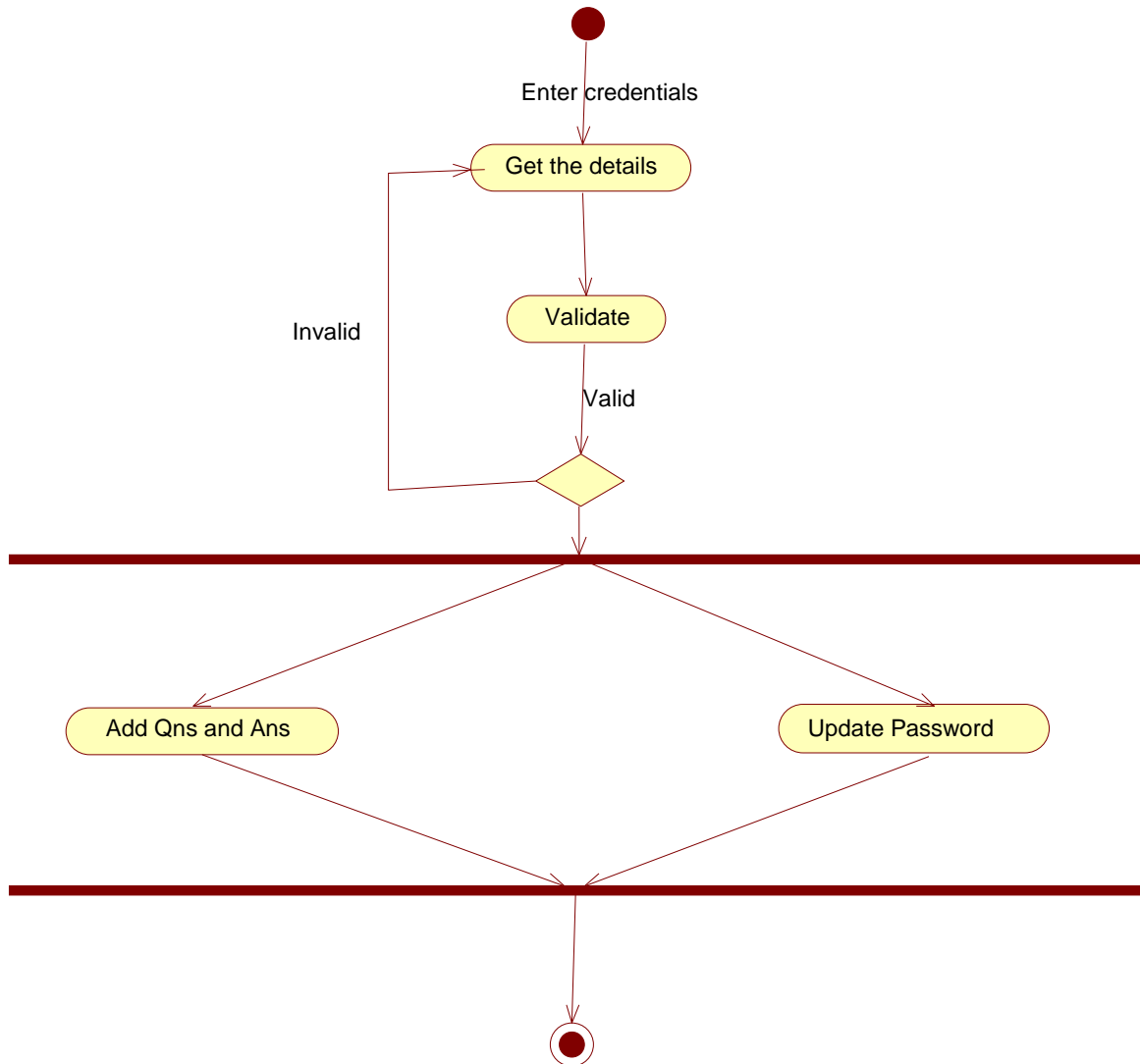
Admin has many privileges. He must first login into his account through his credentials. Once entered, he/she can go to any one of the pages as mentioned in the diagram and perform that specific action like adding houses, managing free plans, etc.

## User activity diagram:



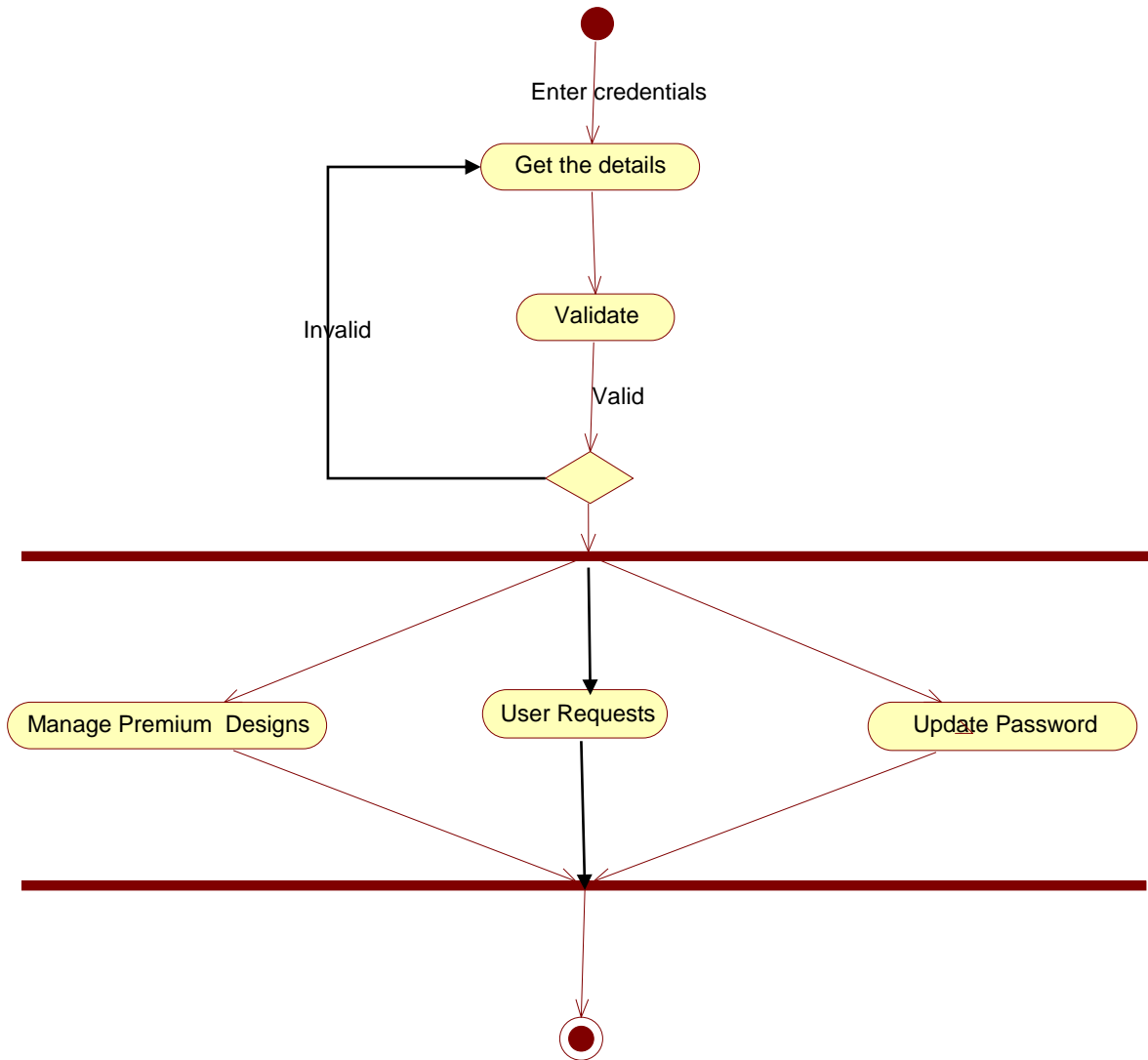
User once he has logged in through his credentials can now check the status of the plans or view the raw materials supplier. He/she can also check the vaastu for the house by going to the vaastu page.

### Vaastu person activity diagram:



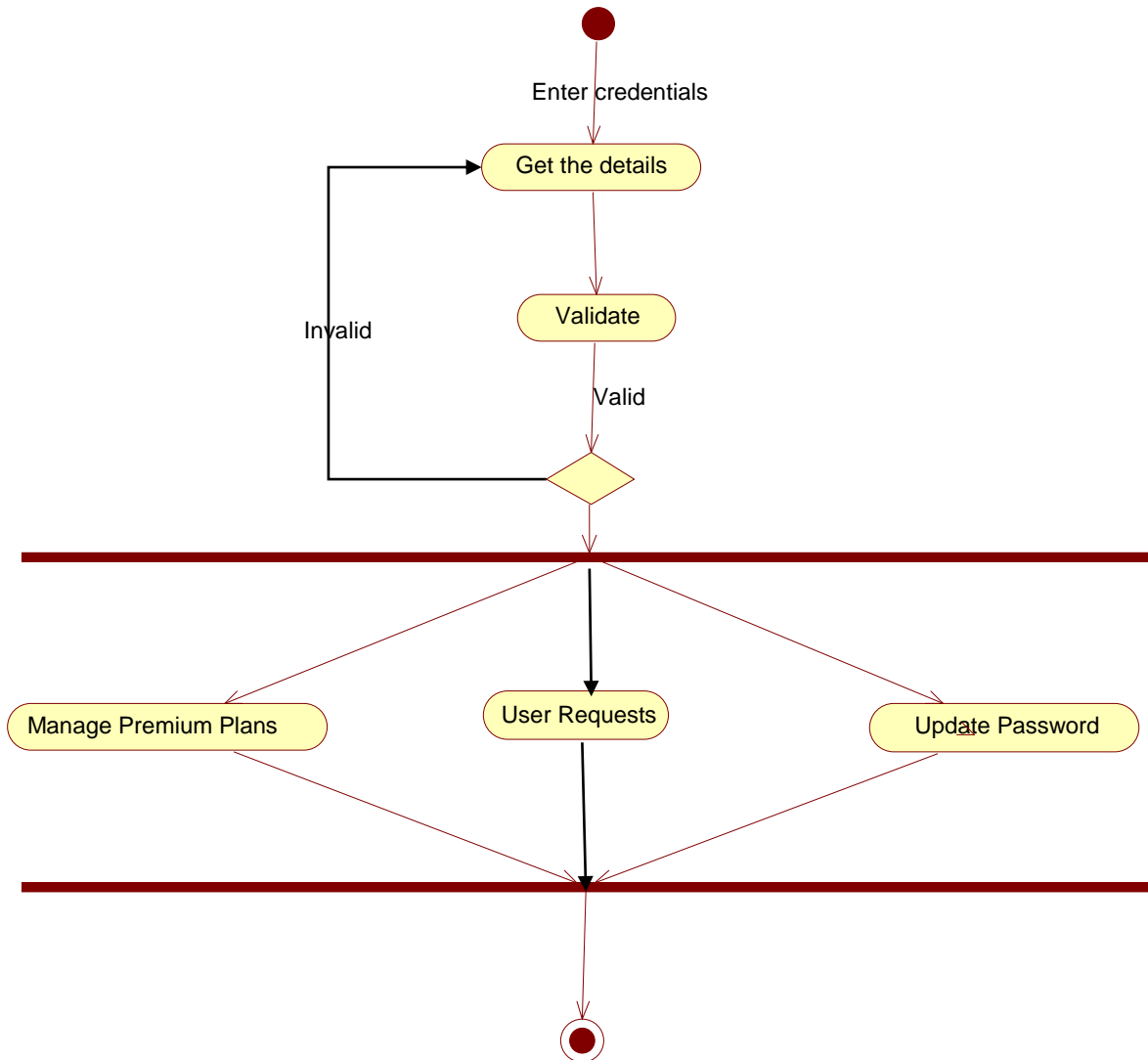
Once the Vaastu user has logged in, he/she has the only functionality of uploading a vaastu related question which the users can see and respond.

### Contractor activity diagram:



Contractor must log in through his credentials. Once he has logged in successfully, he/she can manage premium designs by changing the plans or adding the plans. Contractor can also view the user's requests.

## Engineer activity diagram:



Engineer must log in with the help of his credentials to go to his page. Once inside, they can add or change the plans of a project and also view the requests of the user.

### **3. SOFTWARE REQUIREMENTS SPECIFICATIONS**

#### **ACTORS**

The actors in this system are:

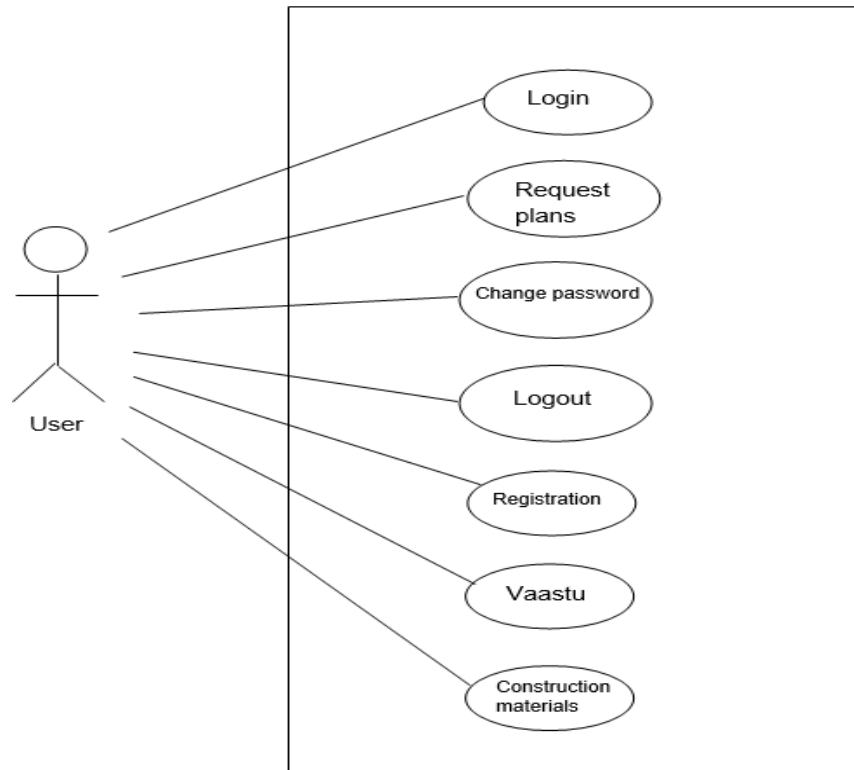
- User
- Vaastu person
- Engineer
- Contractor
- Admin

<b>ACTOR</b>	<b>DESCRIPTION</b>
User	<ol style="list-style-type: none"><li>1. Login</li><li>2. Registration</li><li>3. Request new plans</li><li>4. View material providers</li><li>5. Check vaastu for a room</li><li>6. Update password</li></ol>
Vaastu person	<ol style="list-style-type: none"><li>1. Login</li><li>2. Register</li><li>3. Add Vaastu question</li><li>4. Change password</li></ol>
Engineer	<ol style="list-style-type: none"><li>1. Login</li><li>2. Register</li><li>3. Add designs</li><li>4. Check user requests</li><li>5. Change password</li></ol>
Contractor	<ol style="list-style-type: none"><li>1. Login</li><li>2. Register</li><li>3. Add/Update plans</li><li>4. Check user requests</li><li>5. Update password</li></ol>
Admin	<ol style="list-style-type: none"><li>1. Login</li><li>2. Add houses</li><li>3. Add designs</li><li>4. Add/Update plans</li><li>5. Add design types</li><li>6. Add companies</li><li>7. Check reports</li><li>8. Manage database</li></ol>

### **3.1. Use case diagrams for each actor**

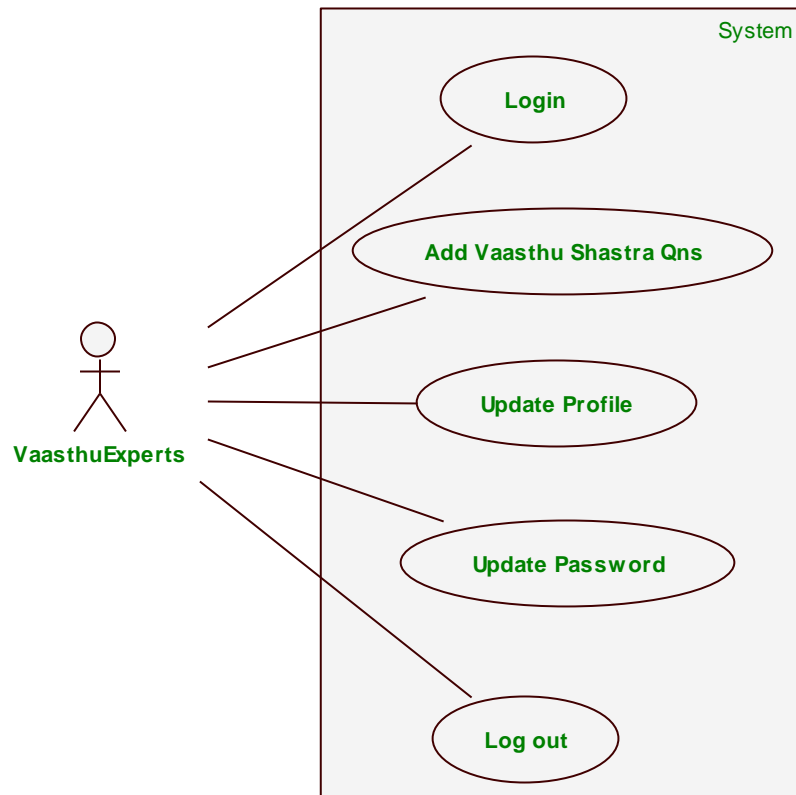
#### **User module**

User will register with their details like username, email, password, confirm password and after that he/she can login in our system. Users can request for plans and can also change their passwords.



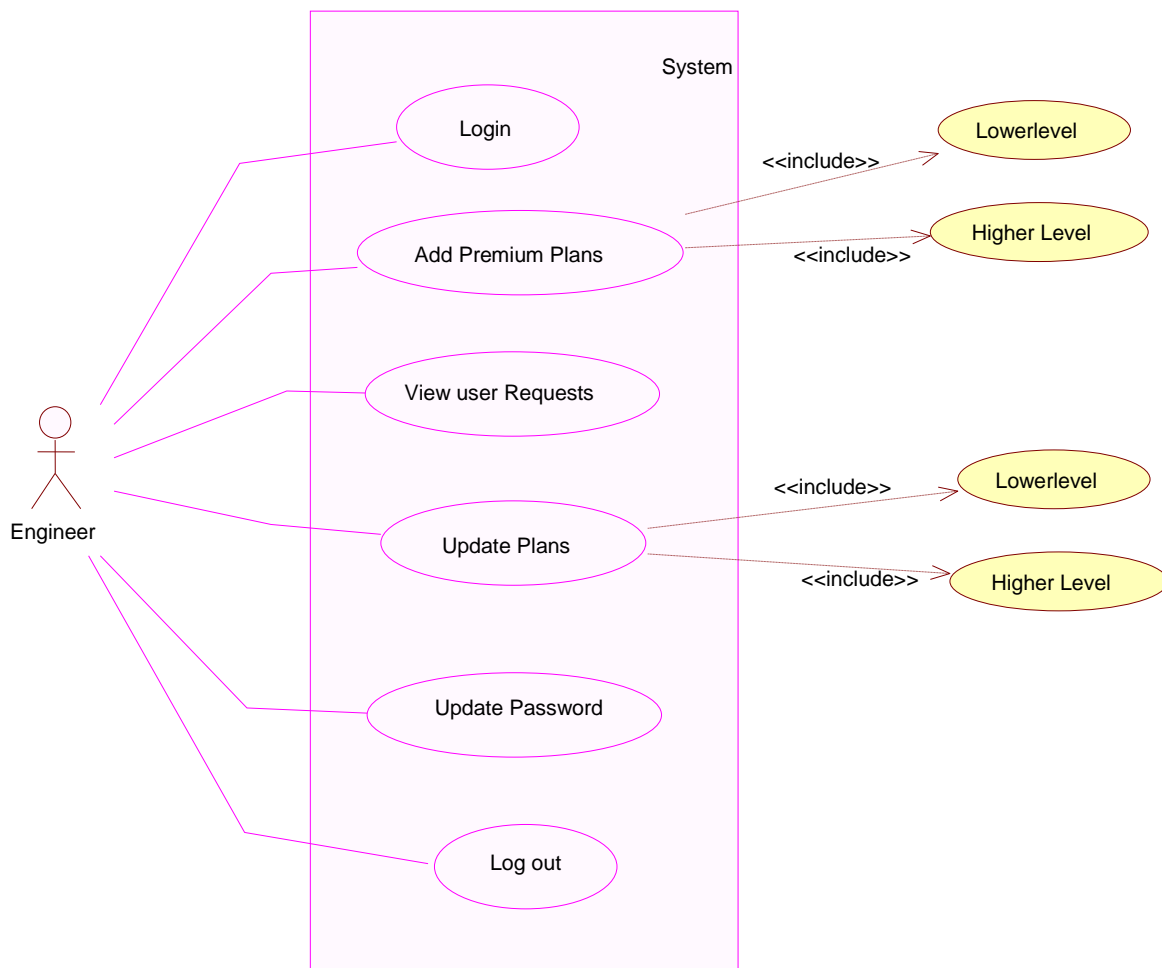
## Vaastu person module

Vaastu person will register with their details like username, email, password, confirm password and after that he/she can login in our system. They can add vaastu shastras which the user can see. They also can update their password.



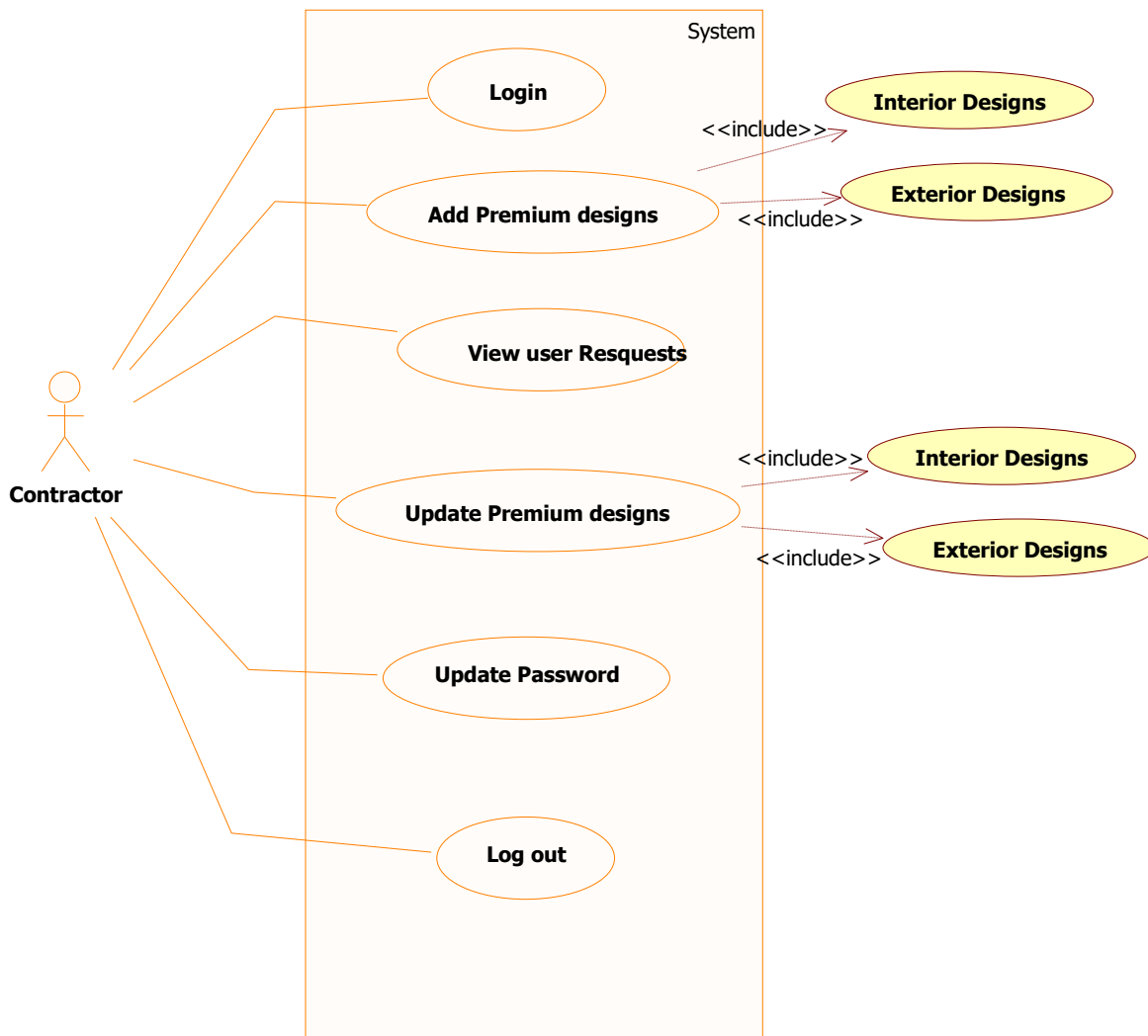
## Engineer module

Engineer will register with their details like username, email, password, confirm password and after that he/she can login in our system. They have the provision to add plans to a given house. They can view the user requests. They can update/change any plans.



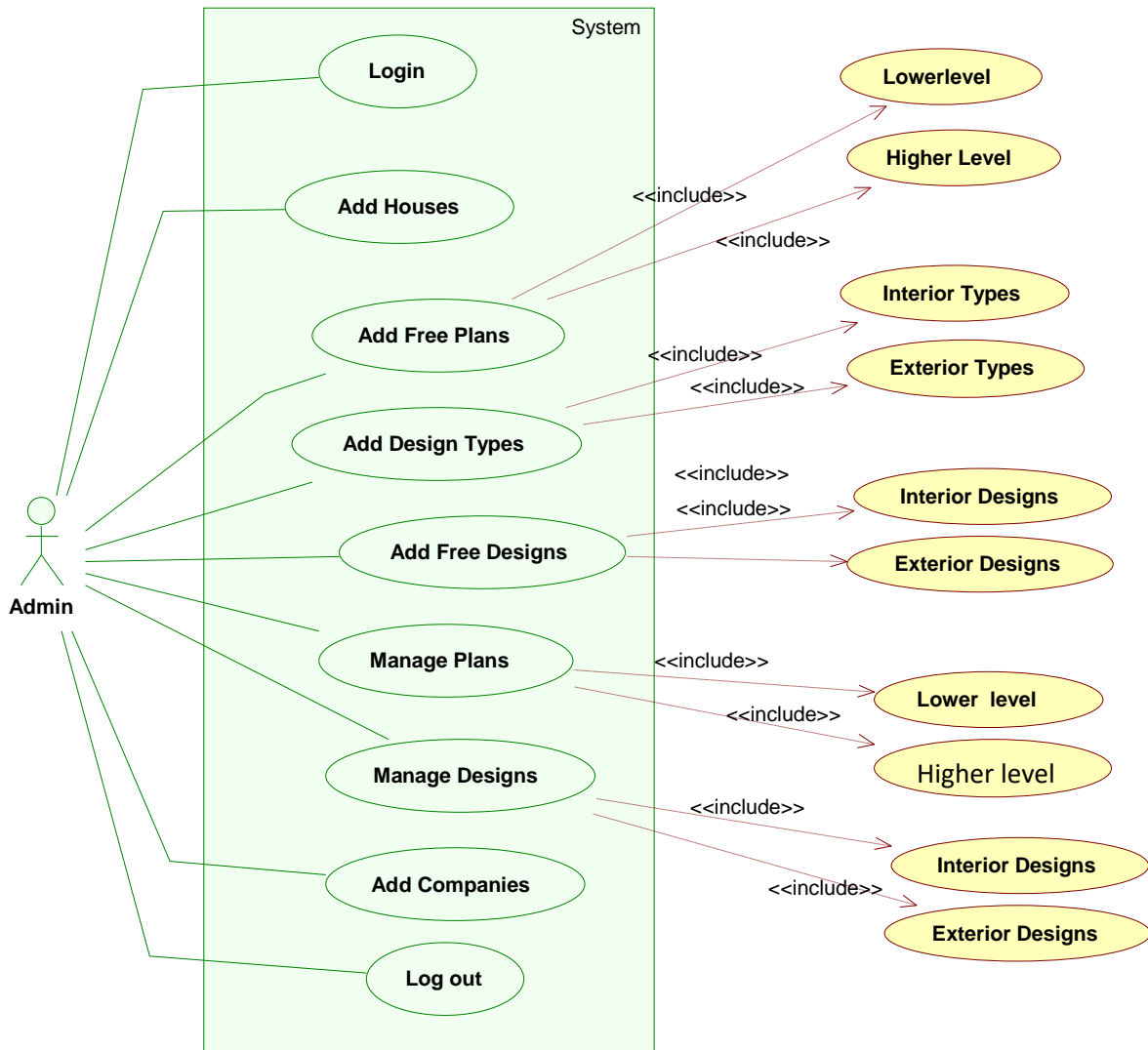
## Contractor module

Contractor will register with their details like username, email, password, confirm password and after that he/she can login in our system. They have the provision to add designs to a given house. They can view the user requests. They can update/change any designs.



## Admin module

Admin will login with his username and password. Admin has the superior functionalities like add houses, plans, design types. He can also change plans and designs. Apart from this he can also add companies which provide raw materials.



### 3.2. Program files

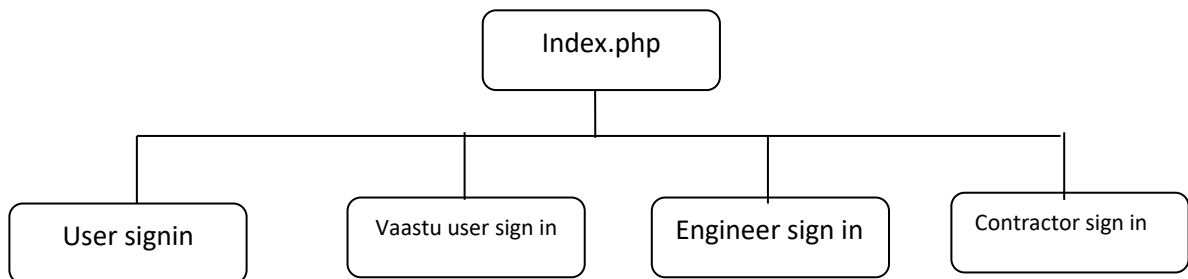
These are the files in our project:

- Admin
- Contractor
- css
- Engineer
- HouseImages
- Images
- js
- User
- Vaastu
- conn
- index
- integral
- menu
- register
- sign
- sign1
- sign2
- sign3
- sign4

#### **Index.php**

Parameters: None

It contains the code for starting page of the website consists of register and login.



## Index code:

```
index.php — C:\wamp\www\integral erection portal — Atom
File Edit View Selection Find Packages Help

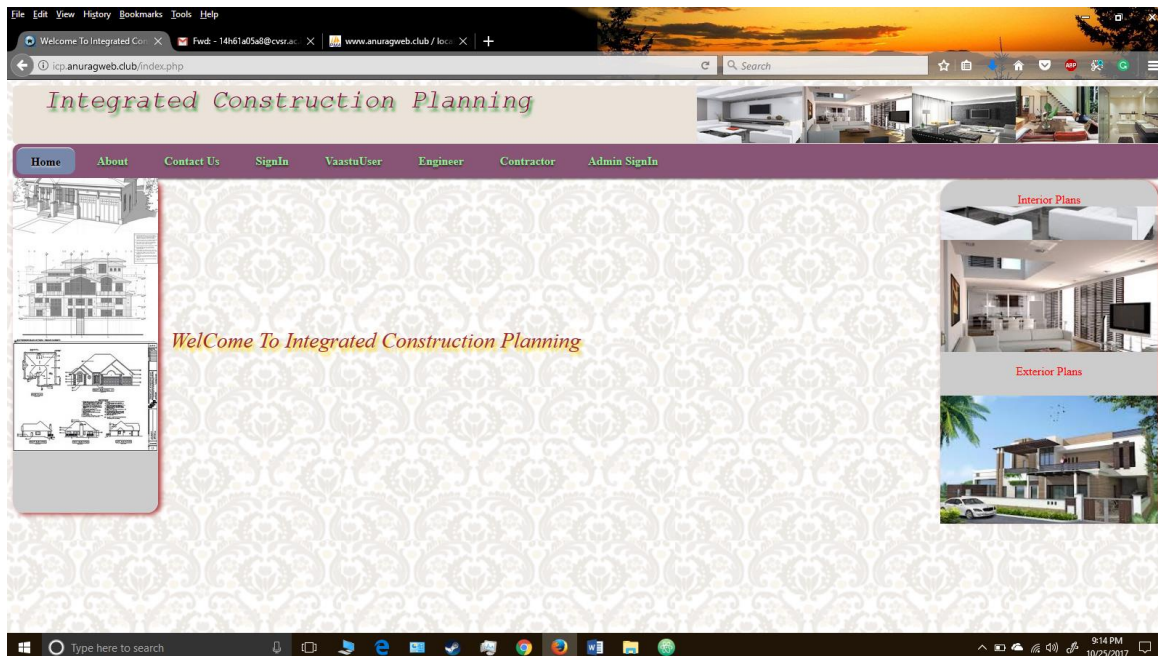
menu2.php x index.php x

1 <html>
2 <head>
3 <link rel="icon" href="Images/logo.jpg" type="image/jpeg">
4 </head>
5 <title>
6 WelCome To Integrated Construction Planning...!
7 </title>
8
9 <?php
10 @session_start();
11 ?>
12 <?php
13 echo "<body background='Images/bb.png'>";
14 include "header.php";
15 include "menu.php";
16
17 include "asideq.php";
18 echo "<font style='position:absolute; top:340; left:225; color:brown; font-size:30; font-style:italic;text-shadow:3px 5px 3px gold;'>WelCome To Integrated Constructio
19 </body>";
20 include "aside.php";
21
22 ?>
23

index.php 1:1
CTRL UTF-8 PHP 0 files 2 updates

Type here to search
9:15 PM
10/25/2017
```

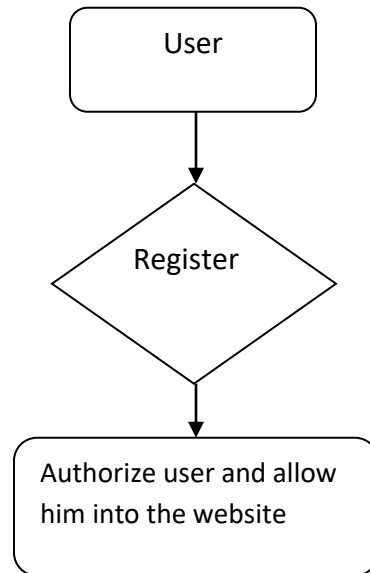
## Index page:



## Register.php

Parameters: First name, last name, user name, password, user type, state, city, location, zipcode

This file makes the user to register with his/her personal details. They are asked to provide some sort of credentials (such as username, e-mail and password) to the system in order to prove their identity.



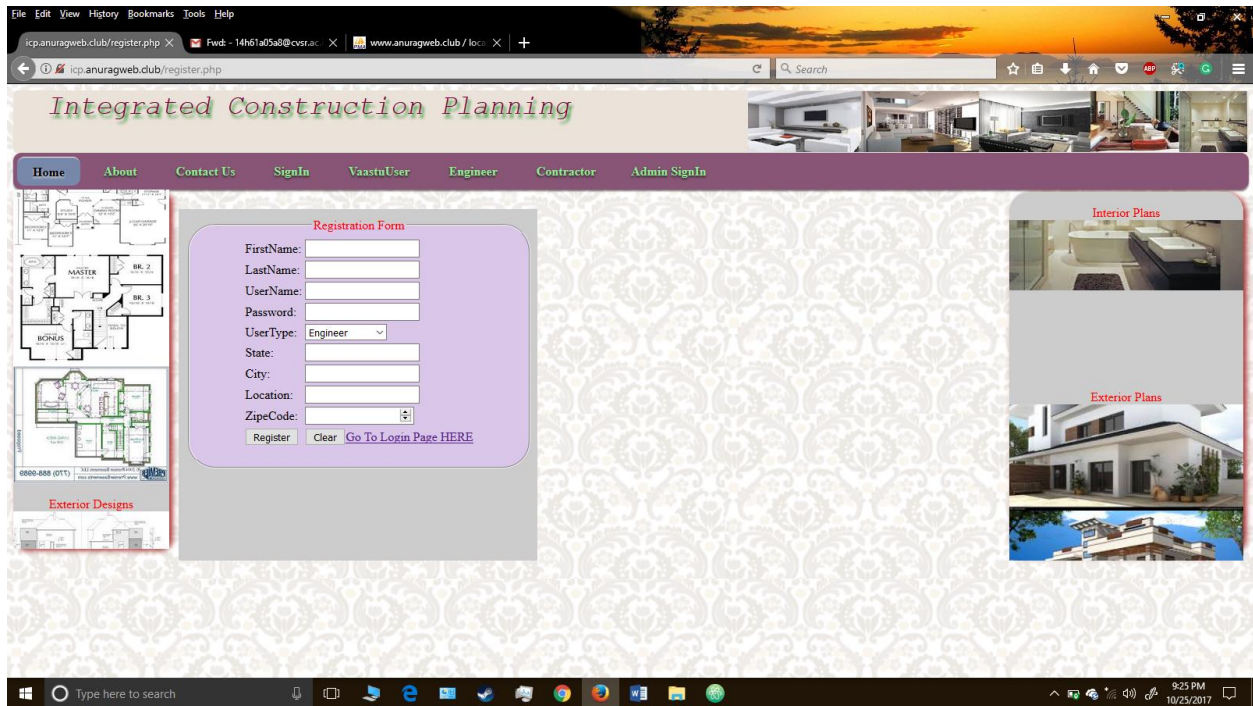
Register code:

```
register.php — C:\wamp\www\integral erection portal — Atom
File Edit View Selection Find Packages Help

register.php x
1 <?php
2 echo "<body background='Images/bb.png'>";
3 include "header.php";
4 include "menu.php";
5
6 include "asideq.php";
7 //echo "<font style='position:absolute; top:340; left:225; color:brown; font-size:30; font-style:italic;text-shadow:3px 5px 3px gold;'></font></body>";
8 include "aside.php";
9 ?>
10 <?php
11 @session_start();
12 if(isset($_POST['sub']))
13 {
14     include "conn.php";
15     $fname=$_POST['txtfname'];
16     echo"$fname";
17     $lname=$_POST['txtlname'];
18     $_SESSION['txtuname']=$_POST['txtuname'];
19     sleep(10);
20     $uname=$_POST['txtuname'];
21     $pwd=$_POST['txtpwd'];
22     $utype=$_POST['s1'];
23     $state=$_POST['txtstate'];
24     $city=$_POST['txtcity'];
25     $loc=$_POST['txtloc'];
26     $zip=$_POST['txtnu'];
27     $sql="insert into register values('','$fname','$lname','$uname','$pwd','$utype','$state','$city','$loc','$zip)";
28     if(mysql_query($sql))

```

Register page:

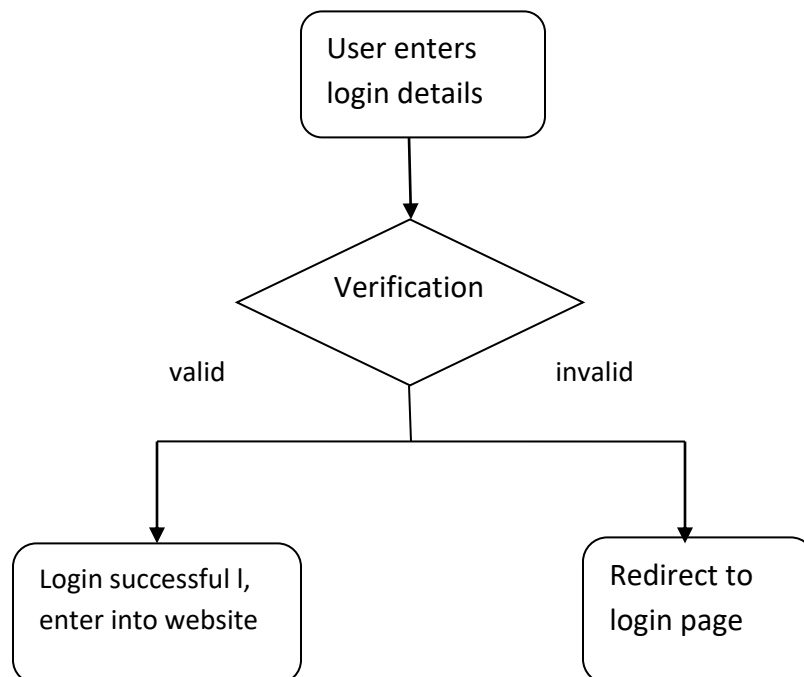


## Sign(1,2,3,4).php

Parameters: username, password

This file makes the register user to login with his/her e-mail and password.

There are 5 sign in forms in total and each one allows each of user, vaastu person, contractor, engineer and admin in respective order.



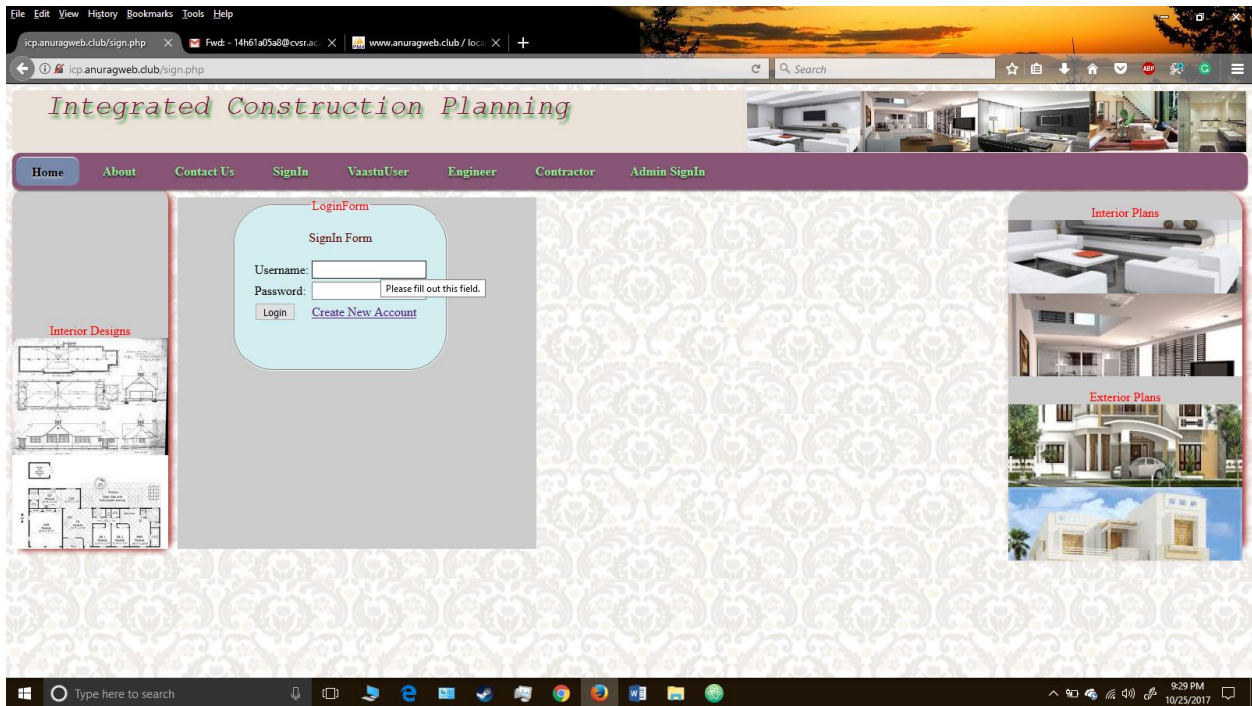
## login code:

```
Project — C:\wamp\www\integral erection portal — Atom
File Edit View Selection Find Packages Help

Project
  about.php
  aside.php
  asideq.php
  conn.php
  contactus.php
  ext.js
  header.php
  index.php
  integral.sql
  jquery-1.3.1.js
  jquery.js
  jquery.validate.js
  menu.php
  page2.php
  register.php
  sign.php
  sign1.php
  sign2.php
  sign3.php
  sign4.php

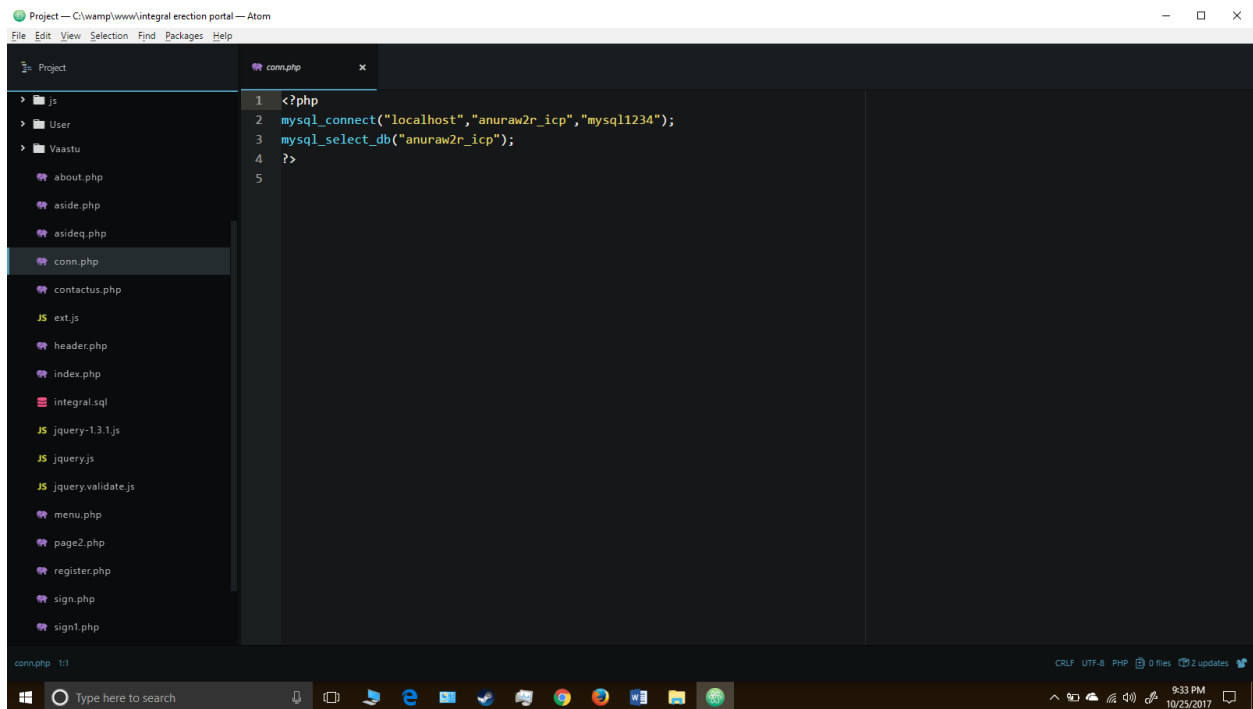
sign.php
1 <?php
2 //session_start();
3 echo "<body background='Images/bb.png'>";
4 include "header.php";
5 include "menu.php";
6
7 include "asideq.php";
8 //echo "<font style='position:absolute; top:340; left:225; color:brown; font-size:30; font-style:italic;text-shadow:3px 5px 3px gold";
9 include "aside.php";
10 if(isset($_POST['aut']))
11 {
12     include "conn.php";
13     $uname=$_POST['uname'];
14     $pwd=$_POST['txtpwd'];
15
16     $sql=(mysql_query("select * from register where uname='$uname' and pwd='$pwd' and utype='User'"));
17
18     if(mysql_num_rows($sql)==1)
19     {
20         session_start();
21         $_SESSION['uname']=$uname;
22         echo "<script>location='User/home.php'</script>";
23     }
24     else
25     {
26         echo "<script>alert('Invalid UserName and Password')</script>";
27     }
28 }
29
```

## Login page:



## Conn.php

This is used to connect to the database



```
1 <?php
2 mysql_connect("localhost","anuraw2r_icp","mysql1234");
3 mysql_select_db("anuraw2r_icp");
4 ?>
5
```

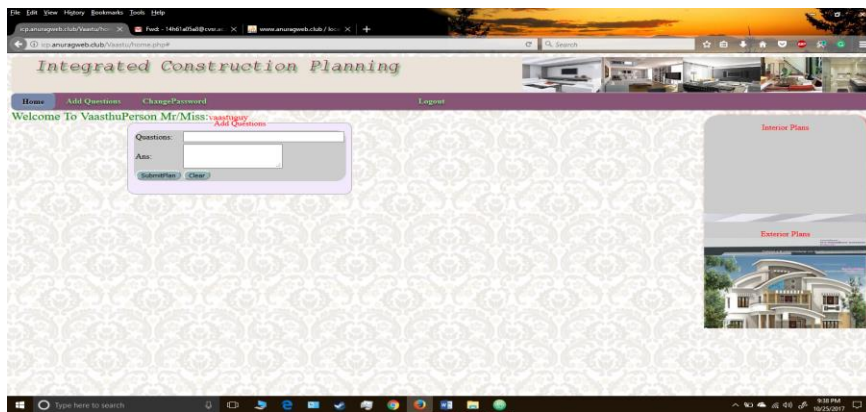
## Vaastu person:

### Addqtns.php:

Parameters: question, answer

Here, vaastu user can add a question regarding vaastu. This can be viewed by user.

Addqtns web page:



Addqtns code:

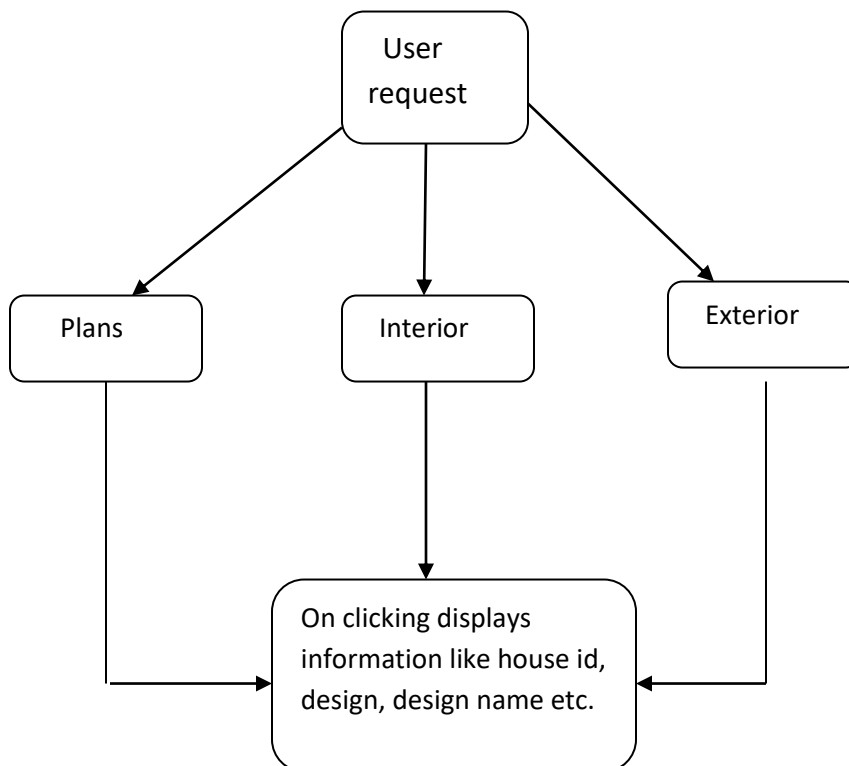
```
qtns.php - C:\wamp\www\integral erection portal - Atom
File Edit View Selection Find Packages Help
qtns.php
1 <?php
2 session_start();
3 if(isset($_POST['sub']))
4 {
5     include "../conn.php";
6     $qtn=$_POST['txtqtn'];
7     $ans=$_POST['txtdes'];
8     $sql="insert into tbl_qtns values('','$qtn','$ans')";
9     if(mysql_query($sql))
10    {
11        echo "<script>alert('One Question is added successfully')</script>";
12        echo "<script>location='home.php'</script>";
13    }
14    else
15    {
16        echo "<script>alert('not added')</script>";
17    }
18 }
19 ></fieldset style="background:#F2E9FC; width:300; border-radius:15px">
20 <legend align="center" style="color:#FF0000">Add Questions</legend>
21 <form method="post" action="addqtns.php">
22
23 <table border="0" style="background-color:#CCCCCC; border-radius:20px">
24 <tr><td>Questions:</td><td><input type="text" name="txtqtn" size="45" required></td></tr>
25 <tr><td>Ans:</td><td><textarea name="txtdes" required></textarea></td></tr>
26 <tr><td><input type="submit" name="sub" value="SubmitPlan" style="background-color:#95B4B9; border-radius:20px"></td><td><input type="reset" name="sub" value="Clear"
27 </td></tr>
28 </table>
29 </form>
```

## Engineer:

### Userrequest.php

Parameters: plans, interior, exterior

Here, the engineer can view requests made by user.



Req code:

```
req.php
1 <?php
2 session_start();
3 ?>
4
5 <form method="post" action="" name="comboForm">
6 <table style="background-color:white; margin-left:100px; margin-top:10px;" align="center" border="1">
7
8 <tr><td>PId</td>
9 <td>HouseId</td>
10 <td>Dname</td>
11
12
13 <td>Des</td>
14 <td>uname</td>
15 </tr>
16
17 include "../conn.php";
18 $data="select * from inter ";
19 $data1=mysql_query($data);
20 while($rec=mysql_fetch_row($data1))
21 {
22 <tr><td>$rec[1]</td><td>$rec[2]</td><td>$rec[3]</td><td>$rec[4]
23 <td>$rec[5]</td></tr>;
24
25 }
26
27
28
---
```

Req page:

Integrated Construction Planning

Home User Request ChangePassword Logout

Welcome Mr/Miss:enggguy If You want to Add Extra Plans To houses Click:Here

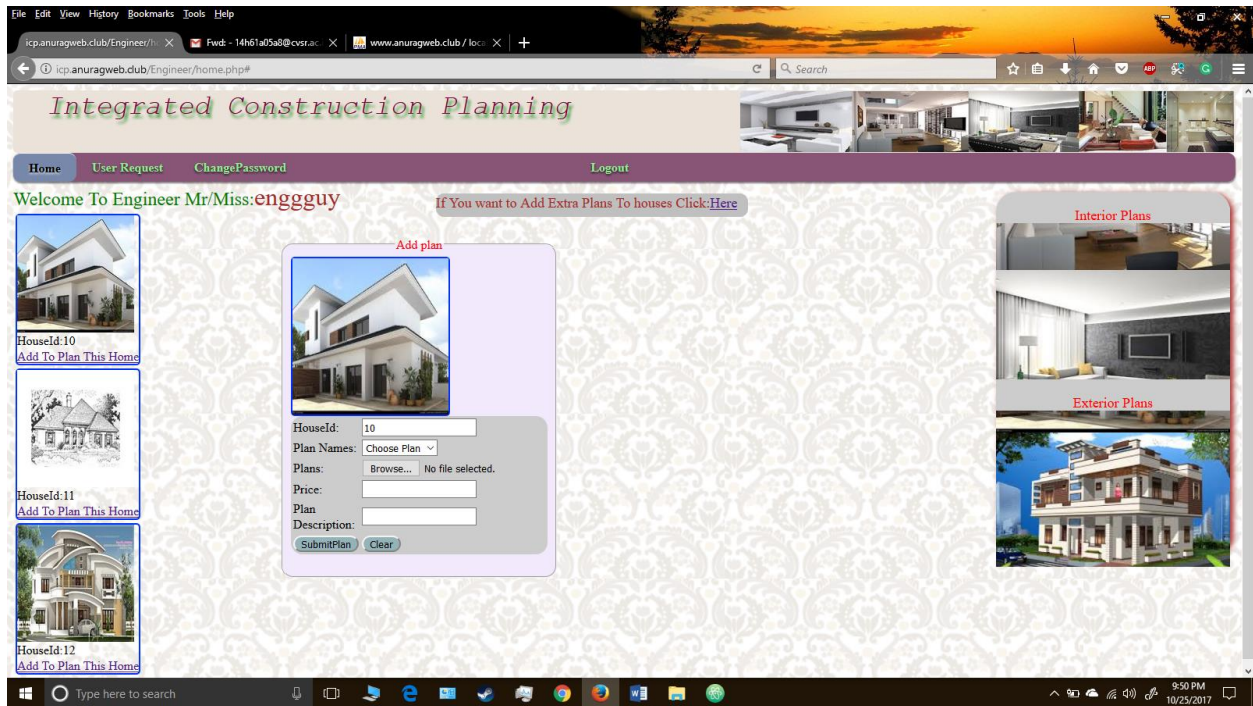
	name	Design	Des	uname	
Interior	Level	lowerLevel_5.jpg	desc	johanson	
Exterior	1	10	lowerLevel_lowerLevel_5.jpg	desc	thanay
	2	12	mainlevel_mainlevel_31.jpg	bedroom_efdnfefef,sdfwd	sirisha
	1	10	lowerLevel_lowerLevel_5.jpg	desc	johanson
	1	10	lowerLevel_lowerLevel_5.jpg	desc	yissu

Interior Plans

Exterior Plans



Addplan webpage:

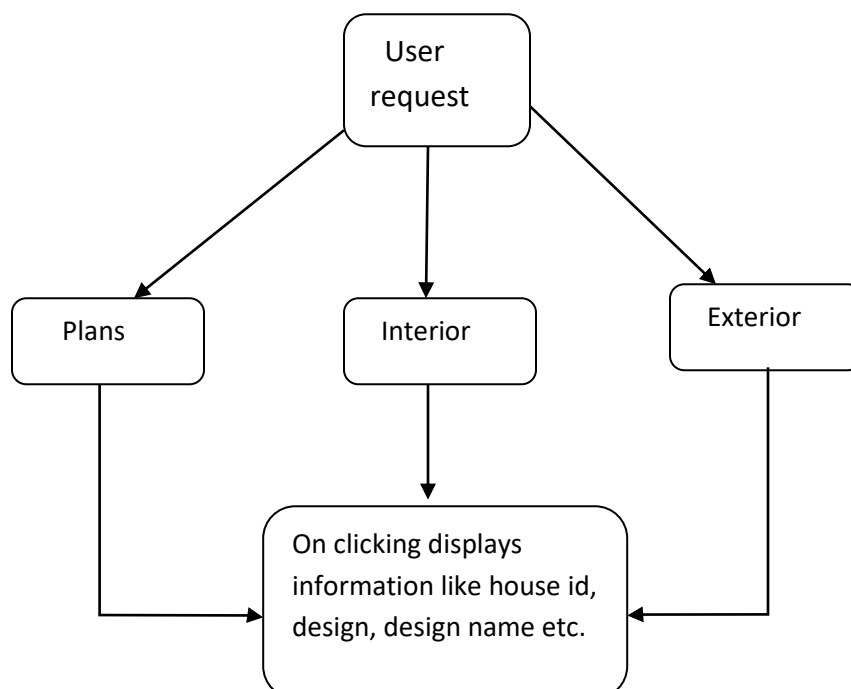


## Contractor:

### Userrequest.php

Parameters: plans, interior, exterior

Here, the engineer can view requests made by user.

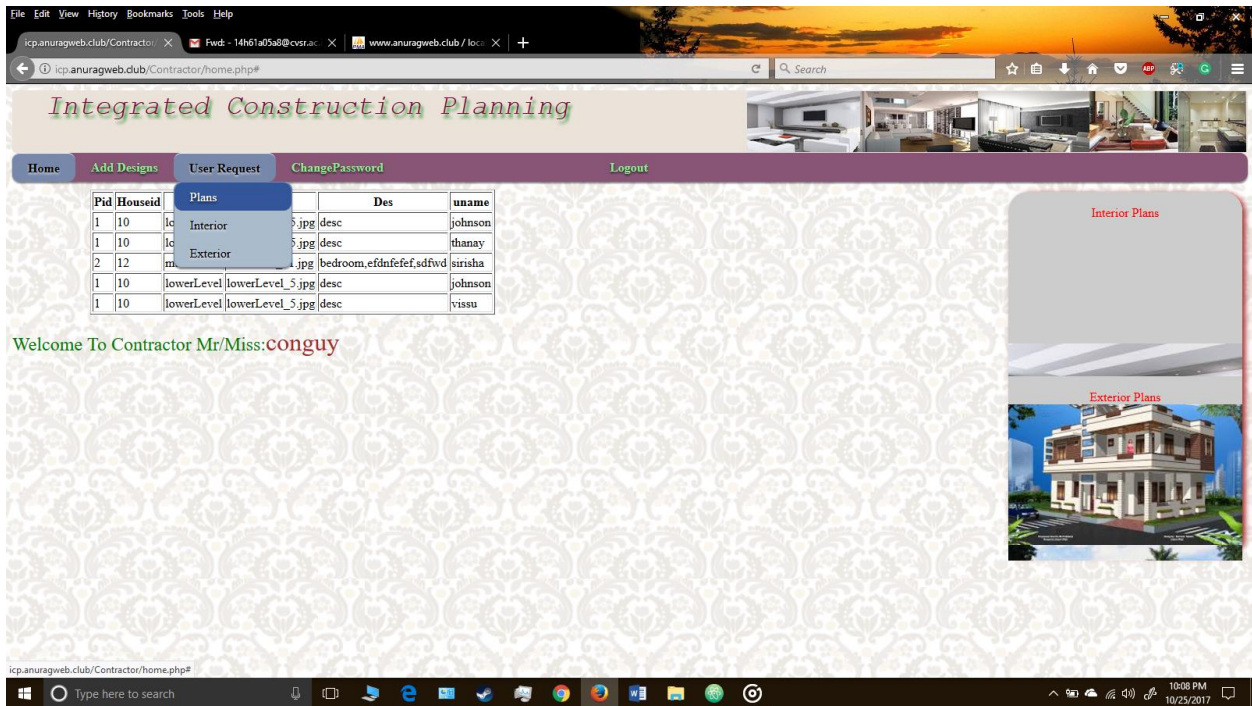


## Req code:

```
re.php - C:\wamp\www\integral erection portal - Atom
File Edit View Selection Find Packages Help

re.php
1 <?php
2 session_start();
3 ?>
4
5 <form method="post" action="" name="comboForm">
6 <table style="background-color:white; margin-left:100px; margin-top:10px;" align="center" border="1">
7
8 <th>Pid</th>
9 <th>Houseid</th>
10 <th>Dname</th>
11 <th>Design</th>
12
13 <th>Desc</th>
14 <th>uname</th>
15 <?php
16
17 include "../conn.php";
18 $data="select * from cot ";
19 $data1=mysql_query($data);
20 while($rec=mysql_fetch_row($data1))
21 {
22 echo "<tr><td>$rec[1]<td>$rec[2]<td>$rec[3]<td>$rec[4]
23 <td>$rec[5]<td>$rec[6]</tr>";
24
25
26 }
27
28
29
Contractor/re.php 1:1
CRLF UTF-8 PHP 0 files 2 updates
```

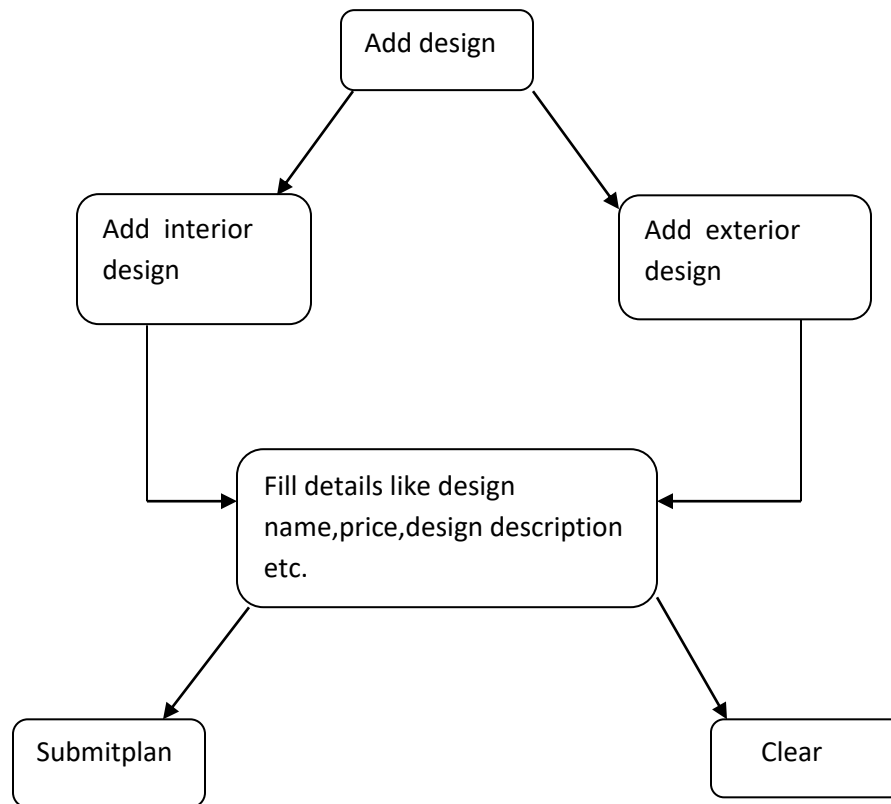
## Req webpage:



## Addesigns.php:

Parameters: none

Here, the contractor can add interior/exterior designs to the house.

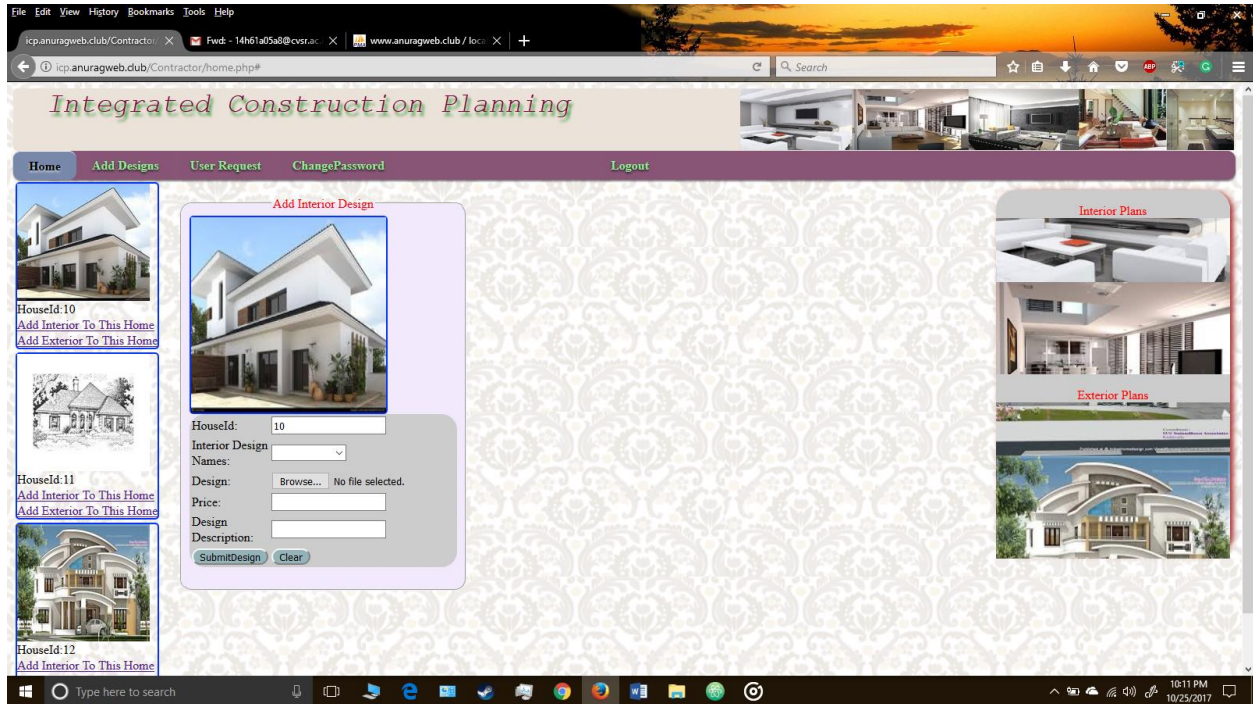


## Addsgn code:

```
addidgn.php — C:\wamp\www\integral erection portal — Atom
File Edit View Selection Find Packages Help

addidgn.php
1 <?php
2 include "../conn.php";
3 $sql_mysql_query("select * from tbl_idesign");
4 ?>
5 <fieldset style="background:#F2E9FC; width:300; border-radius:15px">
6 <legend align="center" style="color:#FF0000">Add Interior Design</legend>
7 <?php
8 $qsl=$_REQUEST['qs'];
9 include "../conn.php";
10 $data=mysql_query("select * from tbl_house where houseid='$qsl'");
11
12 while($rec=mysql_fetch_row($data))
13 {
14
15 echo <<<str
16 <td >
17 <div id="img" style="border:2px solid #0033FF; width:250; border-radius:5px; cursor:pointer; ">
18 
19 </div>
20 str;
21
22 }
23 ?>
24
25 <form method="post" action="insertidesign.php" enctype="multipart/form-data">
26
27 <table border="0" style="background-color:#CCCCCC; border-radius:20px">
28 <tr><td>HouseId:</td><td><input type="text" name="hid" value="<?php echo $qsl;?>">
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```

Addsgn webpage:

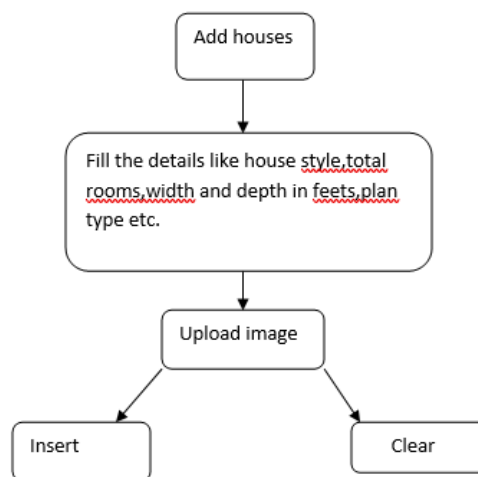


## Admin:

### Addhouse.php:

Parameter: house style, total rooms, bed rooms, storeys, garbage bays, square foot, width, depth

Admin can add new houses which can be viewed by others.

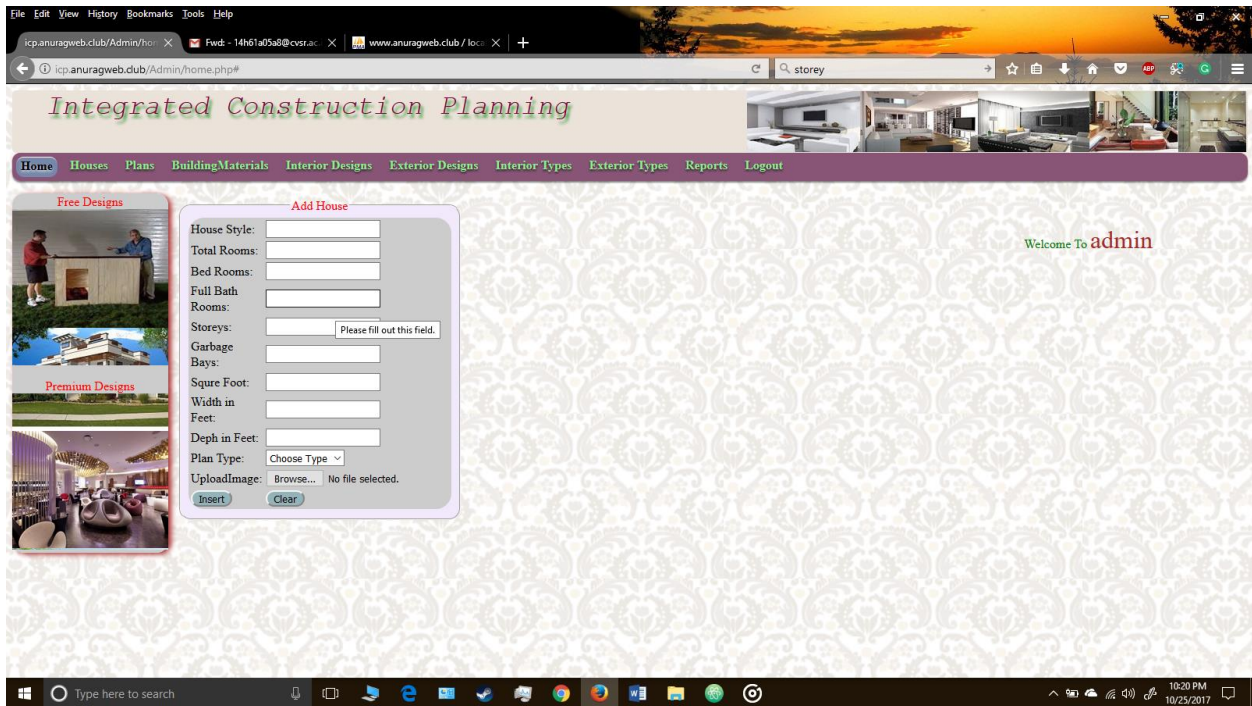


## Addhouse code:

```
addhouse.php - C:\wamp\www\integral erection portal - Atom
File Edit View Selection Find Packages Help

addhouse.php
1 <?php
2 if(isset($_POST['sub']))
3 {
4     include "../conn.php";
5     $house=$_POST['txthouse'];
6     $tm=$_POST['txtrms'];
7     $bm=$_POST['txtblrm'];
8     $fbm=$_POST['txtfbrm'];
9     $str=$_POST['txtstr'];
10    $gb=$_POST['txtgb'];
11    $sf=$_POST['txtsf'];
12    $wf=$_POST['txtwf'];
13    $df=$_POST['txtdf'];
14    $pt=$_POST['s1'];
15    $image=$_FILES['fi']['name'];
16    $image=$house."/".$image;
17    $sql="insert into tbl_house values('','$house','$tm','$bm','$fbm','$str','$gb','$sf','$wf','$df','$pt','$image','interior design added by Admin','Exterior design
18    if(mysql_query($sql))
19    {
20        move_uploaded_file($_FILES['fi']['tmp_name'], "houses/$image");
21        echo "<script>alert('Ur Record has been inserted succussfully')</script>";
22        echo "<script>location='home.php'</script>";
23    }
24    else
25    {
26        echo "<script>alert('Not Inserted')</script>";
27        echo "<script>location='home.php'</script>";
28    }
29 }
```

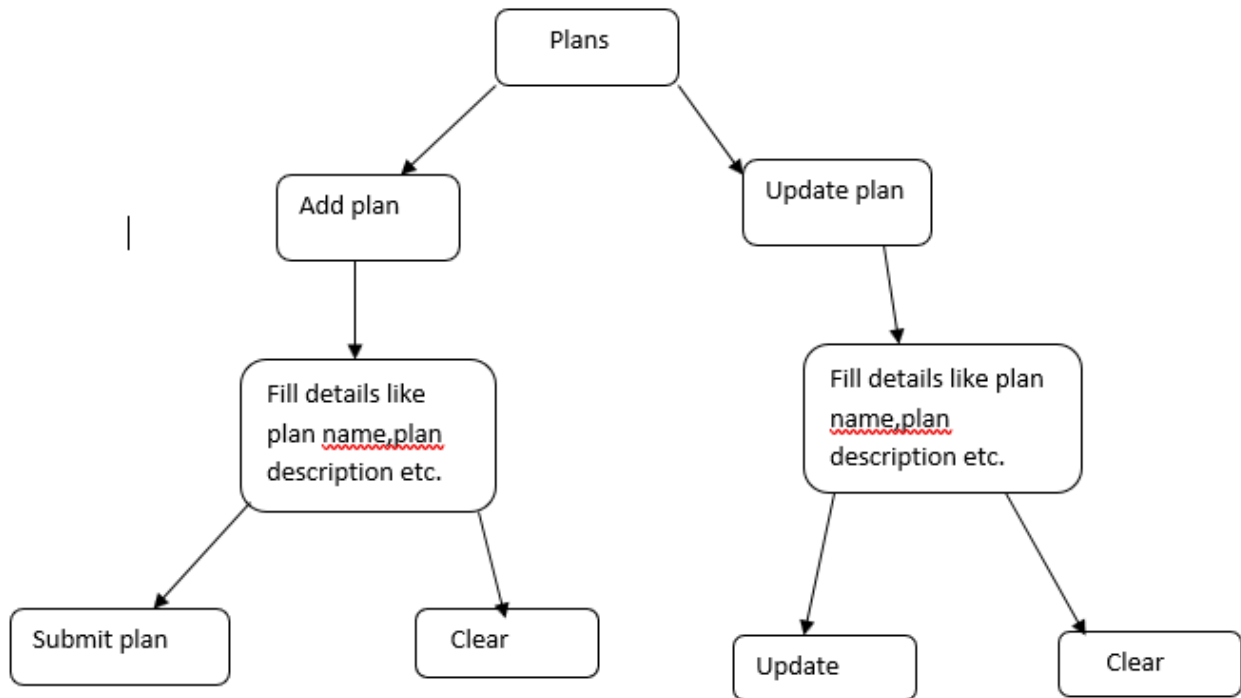
## Addhouse webpage:



# Addplans.php

Parameters: none

Here, admin can add plans or update existing ones.

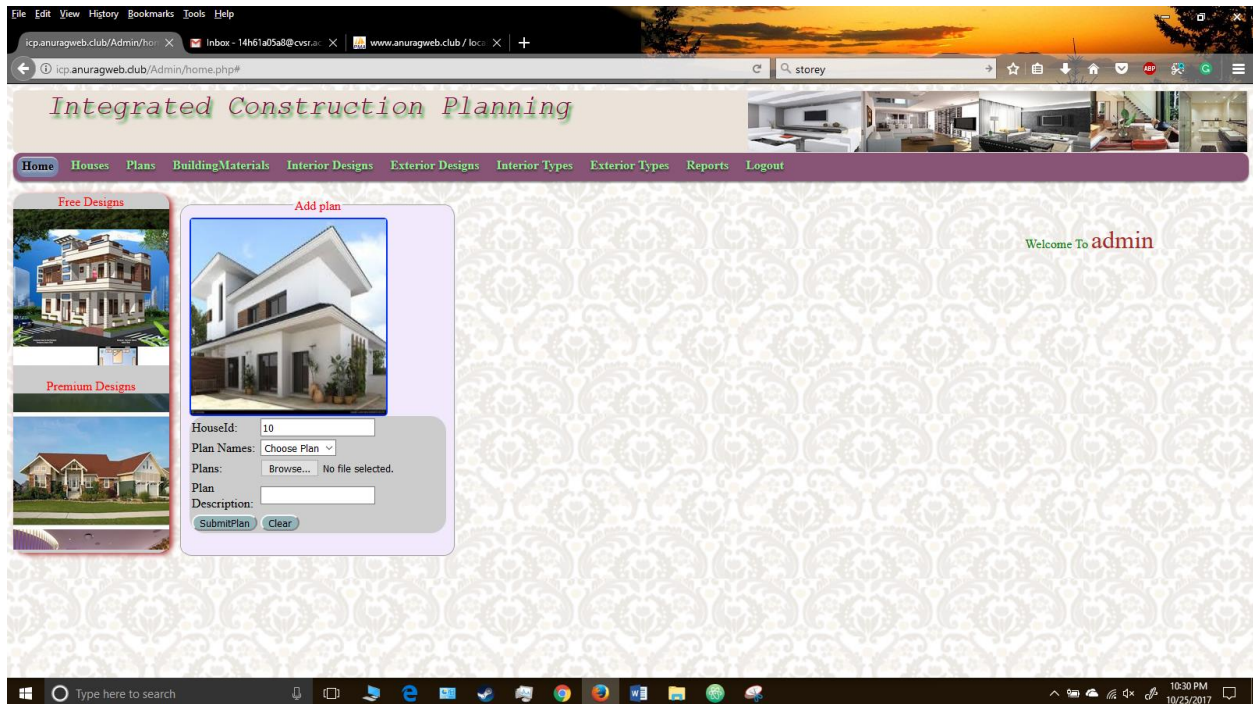


Addplans code:

```
addplan.php — C:\wamp\www\integral erection portal — Atom
File Edit View Selection Find Packages Help

addplan.php x
1
2 <fieldset style="background:#F2E9FC; width:300; border-radius:15px">
3 <legend align="center" style="color:#FF0000">Add plan</legend>
4 <?php
5 $qs1=$_REQUEST['qs'];
6 include "../conn.php";
7 $data=mysql_query("select * from tbl_house where houseid='$qs1'");
8
9 while($rec=mysql_fetch_row($data))
10 {
11
12 echo <<<str
13 <td >
14 <div id="img" style="border:2px solid #0033FF; width:250; border-radius:5px; cursor:pointer; "><img src='houses/$rec[11]' width='250' height='250'>
15 </div>
16 str;
17
18 }
19 ?>
20
21 <form method="post" action="insertplan.php" enctype="multipart/form-data">
22
23 <table border="0" style="background-color:#CCCCCC; border-radius:20px">
24 <tr><td>HouseId:</td><td><input type="text" readonly="readonly" name="hid" value='<?php echo $qs1;?>'>
25 </td></tr>
26 <tr><td>Plan Names:</td><td><select name="pname">
27 <option>Choose Plan</option>
28 <option>lowerLevel</option>
29
```

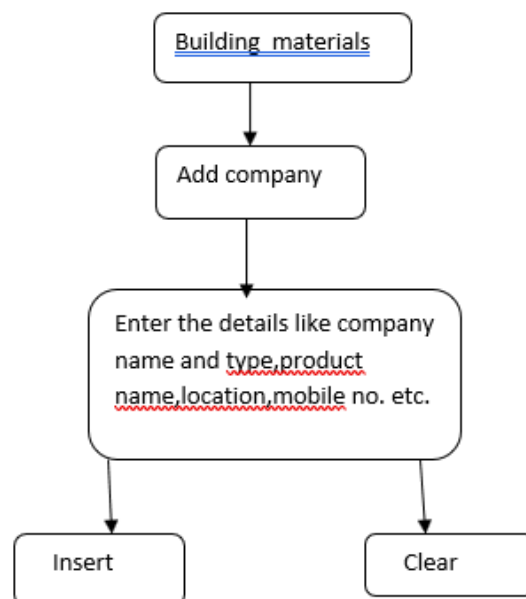
## Addplan webpage:



## Addmaterial.php

Parameters: company name, company type, product name, country, state, location, mobile

Here, admin can add the details of material provider.



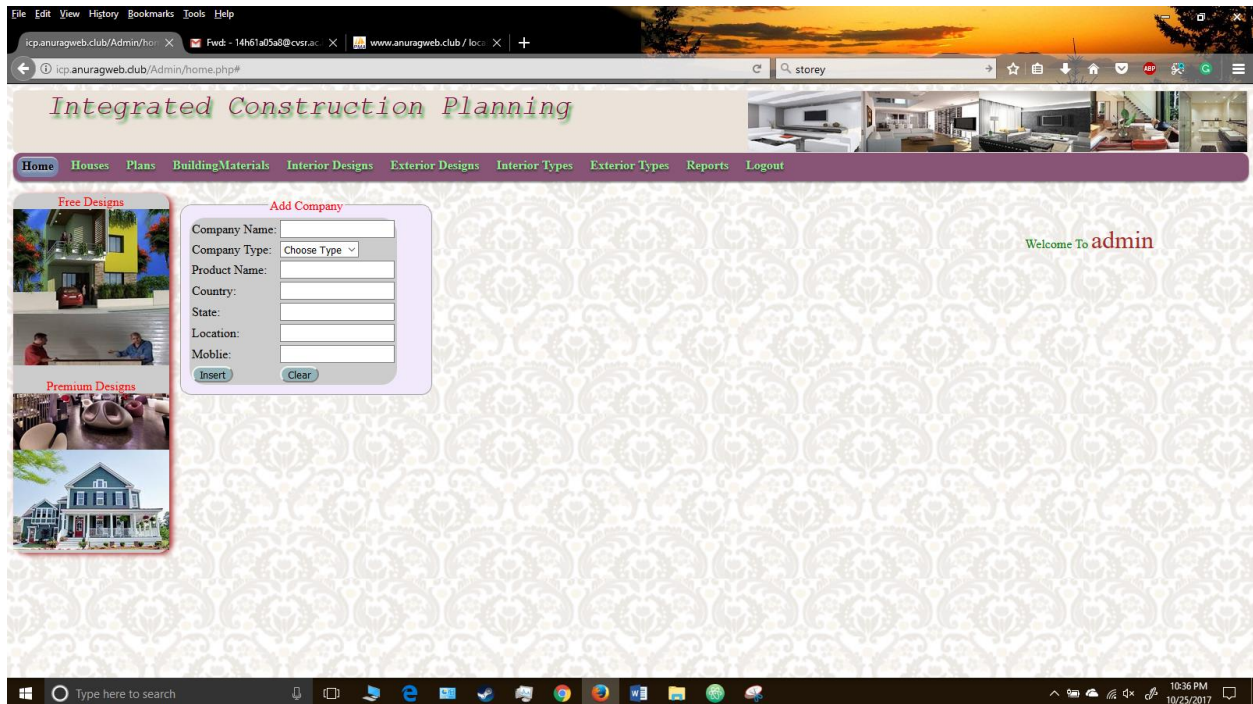
## Addmaterial code:

```
company.php — C:\wamp\www\integral erection portal — Atom
File Edit View Selection Find Packages Help

company.php
2 if(isset($_POST['sub']))
3 {
4     include "../conn.php";
5     $house=$_POST['txtcname'];
6     $tm=$_POST['s1'];
7     $bm=$_POST['txtpname'];
8     $fbm=$_POST['txtcntry'];
9     $str=$_POST['txtstate'];
10    $gb=$_POST['txtloc'];
11    $sf=$_POST['txtmobile'];
12
13    $sql="insert into tbl_cmpny values('','$house','$tm','$bm','$fbm','$str','$gb','$sf')";
14    if(mysql_query($sql))
15    {
16
17        echo "<script>alert('Ur Record has been inserted succussfully')</script>";
18        echo "<script>location='home.php'</script>";
19    }
20    else
21    {
22        echo "<script>alert('Not Inserted')</script>";
23        echo "<script>location='home.php'</script>";
24    }
25 }
26 }
27 >>>form method="post" action="cmp.php">
28 <fieldset style="background:#F2E9FC; width:300; border-radius:15px">
29 <legend align="center" style="color:#FF0000">Add Company</legend>
~

Admin/company.php* 273 CRLF UTF-8 PHP 0 files 2 updates 10:35 PM 10/25/2017
```

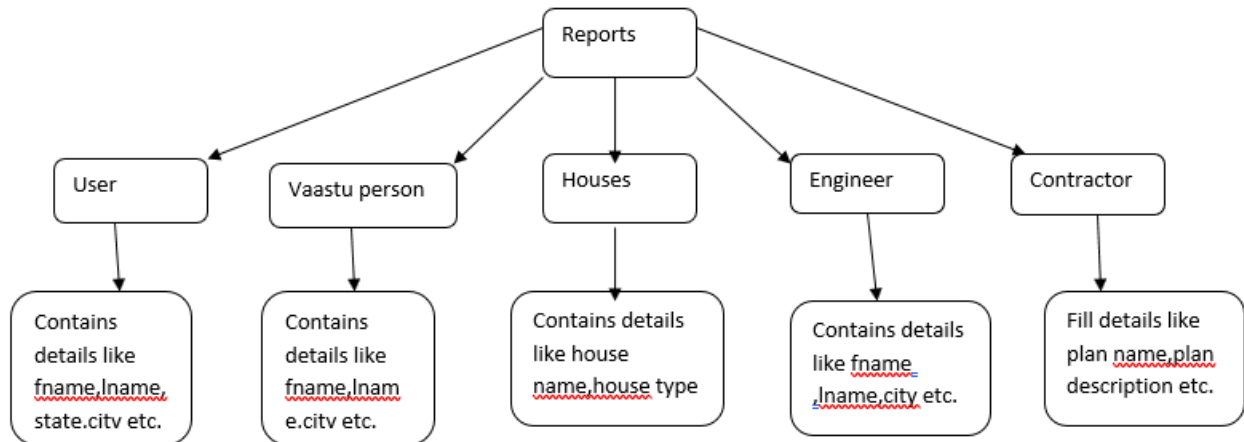
## Addmaterial webpage:



# Adminreport.php

Parameters: none

Here, admin can view the details of the stake holders.



Adminreport code:

```
vaastu.php - C:\wamp\www\integral erection portal - Atom
File Edit View Selection Find Packages Help

vaastu.php
1 <table border="1" bgcolor="#99FFFF">
2 <th style="color:#990000;">Fname</th><th style="color:#990000;">LName</th><th style="color:#990000;"> State </th><th style="color:#990000;"> City </th><th style="co
3 <?php
4
5 include "../conn.php";
6 // $conn=$SESSION['uname'];
7 $sql=mysql_query("select * from register where utype='VaastuPerson'");
8
9 while($rec=mysql_fetch_row($sql))
10 {
11 // $SESSION['id']=$rec[0];
12 echo "<tr><td>$rec[1]<td>$rec[2]<td>$rec[6]<td>$rec[7]<td>$rec[8]<td>$rec[9]";
13 }
14 ?>
15 <table border="1" bgcolor="#99FFFF">
16 <th style="color:#990000;">Fname</th><th style="color:#990000;">LName</th><th style="color:#990000;"> State </th><th style="color:#990000;"> City </th><th style="co
17 <?php
18
19 include "../conn.php";
20 // $conn=$SESSION['uname'];
21 $sql=mysql_query("select * from register where utype='User'");
22
23 while($rec=mysql_fetch_row($sql))
24 {
25 // $SESSION['id']=$rec[0];
26 echo "<tr><td>$rec[1]<td>$rec[2]<td>$rec[6]<td>$rec[7]<td>$rec[8]<td>$rec[9]";
27 }
28 ?>
29
30
Admin\vaastu.php* 321 CRLF UTF-8 PHP 0 files 2 updates 10:40 PM 10/25/2017
```

# Adminreport webpage:

The screenshot shows a web browser window displaying an admin report page. The page title is "Integrated Construction Planning". The navigation menu includes: Home, Houses, Plans, BuildingMaterials, Interior Designs, Exterior Designs, Interior Types, Exterior Types, Reports, and Logout. The "Reports" menu is expanded, showing options: Houses, User, Contractor, Engineer, and Vaastu. The main content area features a table with user data and a sidebar with design categories.

Fname	LName	State	City	Location	ZipCode
john	kumar	TG	sec-bad	sanathNager	510006
rama	devi	AP	vzcg	vijas	520154
thanay	vakity	telangana	hyderabad	urhouse	35351321
shri	reddy	tel	hyd	jodi	686855
vishl	ydv	ts	hyd	hyd	500051
sri	reddy	sdjsf	sfdg	dfdg	46547

Free Designs

Premium Designs

Welcome To admin

icp.anuragweb.club/Admin/home.php#

Type here to search

10:41 PM  
10/25/2017



# Interior/exterior webpage:

File Edit View History Bookmarks Tools Help

icp.anuragweb.club/Admin/home.php#

## Integrated Construction Planning

Home Houses Plans BuildingMaterials Interior Designs Exterior Designs Interior Types Exterior Types Reports Logout

Free Designs

Premium Designs

Add Exterior Design

Welcome To admin

HouseId:

Design Names:

Design:  No file selected.

Description:

Type here to search

10:44 PM 10/25/2017

## 4. TEST CASES

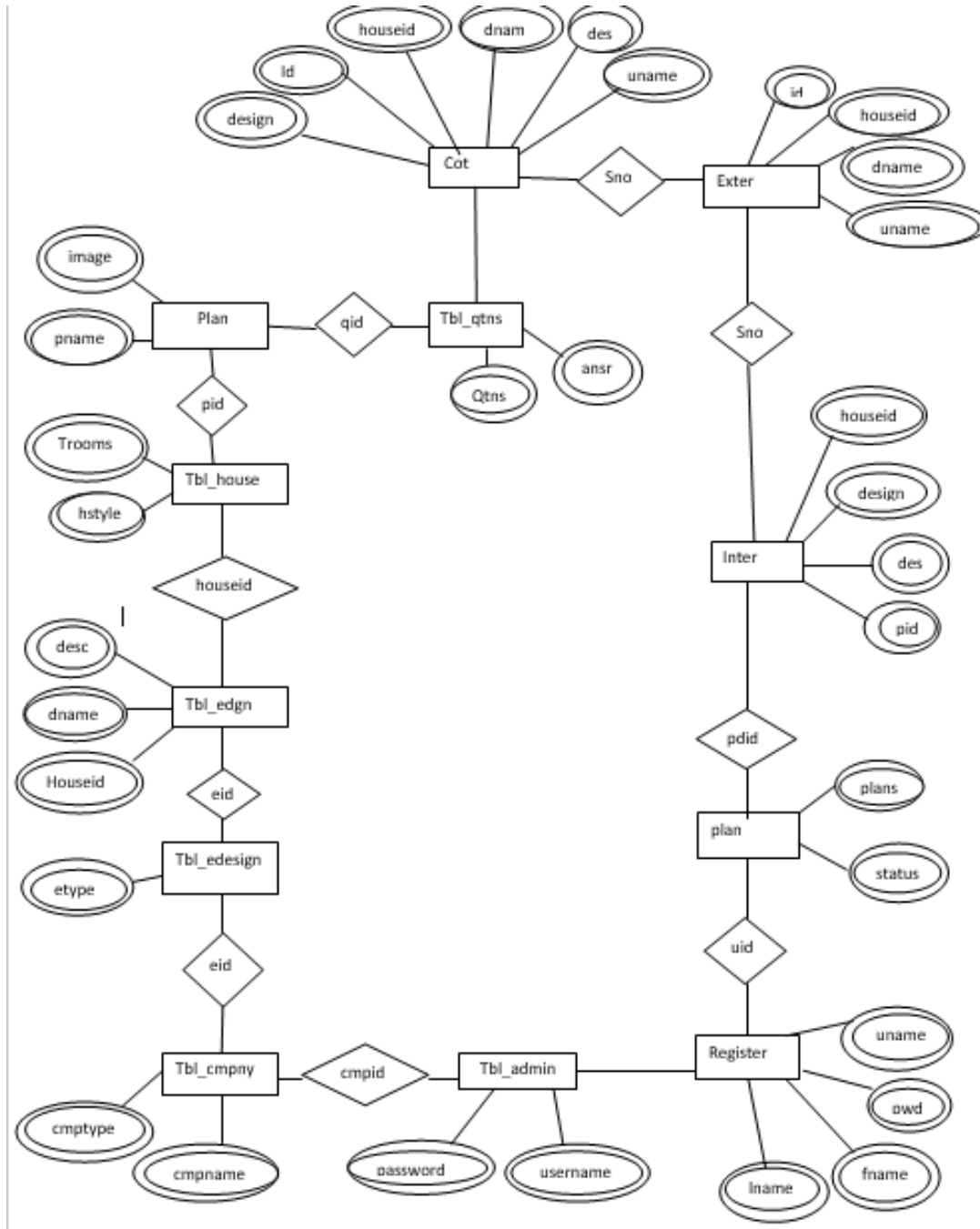
A test case is a software testing document, which consists of event, action, input, output, expected result and actual result. Test case defined as test case is an input and an expected result. It can occasionally be a series of steps.

Test Case ID	Test Case	Function being tested	Initial state	Input	Output	Status
1	Register	Accept Details	Home Page	Enter details	Registration successful	Successful
2	Login	Verify username and password	Home Page	Enter details	Rentals Page	Successful
3	Change password	Verify Old password	Respective user page	Old password, new password	Password successfully changed	Successful
4	User: Status	Verify existing plans	Status page	Click request	Status page	Request made
5	User: Vaastu	Existing vaastu	Vaastu page	Click the question	Answers	Successful
6	User: Construction Materials	Available companies	Materials page	Click on the materials	Company details	Successful
7	Vaastu: Add question	Accept details	Questions page	Enter question and answer	Questions page	Successful
8	Engineer: User Request	Check available requests	Request page	Select type of plan	User requests	Successful

9	Engineer: Add plans	Check houses	Plans page	Select houses and their description	Plan updated	Successful
10	Contractor: Add designs	Check houses	Designs page	Select a house and design type and enter description	Design updated	Successful
11	Contractor: User request	Available requests	Request page	Select type of plan	User requests	Successful
12	Admin: Houses	Accept details	Add house page	Enter house details	House added	Successful
13	Admin: Plans	Accept details	Plans page	Enter plan details	Plans added/updated	Successful
14	Admin: Building materials	Accept details	Materials page	Enter company details	Company added	Successful
15	Admin: Interior/Exterior Design	Accept details	Design page	Enter design details	Designs added	Successful
16	Admin: Interior/Exterior Type	Accept details	Types page	Enter types	Types added	Successful
17	Admin: Reports	Available reports	Reports page	Select the report type	Details of stakeholders	successful

## 5. DATABASE/ E-R DIAGRAM

An entity-relationship diagram (ERD) is a data modeling technique that graphically illustrates an information system's entities and the relationships between those entities. An ERD is a conceptual and representational model of data used to represent the entity framework infrastructure.



### Types(cot) table

		sno	id	houseid	dname	design	des	uname
<input type="checkbox"/>	Edit  Copy  Delete	3	1	10	lowerLevel	lowerLevel_5.jpg	desc	johnson
<input type="checkbox"/>	Edit  Copy  Delete	4	1	10	lowerLevel	lowerLevel_5.jpg	desc	thanay
<input type="checkbox"/>	Edit  Copy  Delete	5	2	12	mainlevel	mainlevel_31.jpg	bedroom,efdnfefef,sdfwd	sirisha
<input type="checkbox"/>	Edit  Copy  Delete	6	1	10	lowerLevel	lowerLevel_5.jpg	desc	johnson
<input type="checkbox"/>	Edit  Copy  Delete	7	1	10	lowerLevel	lowerLevel_5.jpg	desc	vissu

### Exterior table

		sno	id	houseid	dname	design	des	uname
<input type="checkbox"/>	Edit  Copy  Delete	3	2	10	2	2_6.jpg	ytseghrgere rf	johnson
<input type="checkbox"/>	Edit  Copy  Delete	4	2	10	2	2_6.jpg	ytseghrgere rf	shiri1

### Interior table

		sno	id	houseid	design	des	uname
<input type="checkbox"/>	Edit  Copy  Delete	3	1	11	2_6.jpg	this is very good for living room....?	sirisha

### Plan table

		pdid	pid	houseid	pname	plans	price	desc	status
<input type="checkbox"/>	Edit  Copy  Delete	1	1	11	mainlevel	mainlevel_31.jpg	1150	bath room, hall	Added By Engineer
<input type="checkbox"/>	Edit  Copy  Delete	2	2	12	mainlevel	mainlevel_29.jpg	1250	this is very good for living room....?	Added By Engineer

### Company table

		cmpid	cmpname	cmptype	pname	country	state	location	mobile
<input type="checkbox"/>	Edit  Copy  Delete	1	ambuja cement	Cement	penna cement	india	AP	hyd	9868767453
<input type="checkbox"/>	Edit  Copy  Delete	2	Renovation PVT.LTD	Bricks	bricks	USA	NEWYORK	Jencoo	9897444845

### External design table

				eid	etype			
<input type="checkbox"/>		Edit		Copy		Delete	1	side bath
<input type="checkbox"/>		Edit		Copy		Delete	2	front
<input type="checkbox"/>		Edit		Copy		Delete	3	back

### Registration table

				uid	fname	lname	uname	pwd	utype	state	city	loc	zip			
<input type="checkbox"/>		Edit		Copy		Delete	1	Hari	js	harib	scott1	Engineer	AP	kdp	rajampeta	516221
<input type="checkbox"/>		Edit		Copy		Delete	2	john	kumar	johnson	johnson	User	TG	sec-bad	sanathNager	510006
<input type="checkbox"/>		Edit		Copy		Delete	3	naresh	it	naresh	321654	Engineer	MH	mubai	pune	5245121
<input type="checkbox"/>		Edit		Copy		Delete	4	rama	devi	ramad	johnson	User	AP	vzg	vijas	520154
<input type="checkbox"/>		Edit		Copy		Delete	5	santhosh	kumar	santhosh	scott1	VaastuPerson	TG	hyd	ameerpet	516565
<input type="checkbox"/>		Edit		Copy		Delete	6	scott	smith	scott12	scott1	Contractor	AP	VZG	prodduturu	12545
<input type="checkbox"/>		Edit		Copy		Delete	7	smith	allen	smith	scott1	VaastuPerson	PP	cuddapah	PDTR	501224
<input type="checkbox"/>		Edit		Copy		Delete	8	thanay	vakity	thanay	thanay	User	telangana	hyderabad	urhouse	35351321
<input type="checkbox"/>		Edit		Copy		Delete	9	rishi	m	rishi	rishi	Engineer	ts	hyderabad	vsdzv	500035
<input type="checkbox"/>		Edit		Copy		Delete	10	shiri	reddy	shiri	shiri	VaastuPerson	pp	hyd	uppal	54838
<input type="checkbox"/>		Edit		Copy		Delete	11	shiri	reddy	sirisha	sirisha	User	tel	hyd	jodi	686855
<input type="checkbox"/>		Edit		Copy		Delete	12	siri	reddy	roopa	roopa	Engineer	wiwid	dfe	we	3546
<input type="checkbox"/>		Edit		Copy		Delete	13	roopa	reddy	roopa1	roopa	Engineer	ad	wfr	tr	35436
<input type="checkbox"/>		Edit		Copy		Delete	14	rishi	m	mrishi	mrishi	Contractor	ts	hyderabad	hyderabad	500035

### Houses table

				houseid	hstyle	Trooms	Brooms	FBrooms	stories	garbage	sqrtfoot	wf	df	Ptype	image	InteriorStatus	ExteriorStatus			
<input type="checkbox"/>		Edit		Copy		Delete	10	country	6	3	1	1	1	111	11	22	Premium	country_11.jpg	interior design added by Admin	Exterior design added by Admin
<input type="checkbox"/>		Edit		Copy		Delete	11	city	5	2	1	1	1	12	12	11	Free	city_21.jpg	interior design added by Admin	Exterior design added by Admin
<input type="checkbox"/>		Edit		Copy		Delete	12	country	6	2	1	1	2	350	25	35	Premium	country_14.jpg	interior design added by Admin	Exterior design added by Admin

### Interior design table

				id	ltype			
<input type="checkbox"/>		Edit		Copy		Delete	1	kitchen
<input type="checkbox"/>		Edit		Copy		Delete	2	BathRoom
<input type="checkbox"/>		Edit		Copy		Delete	3	Living Room
<input type="checkbox"/>		Edit		Copy		Delete	4	hall

## Questions table

<input type="checkbox"/> ←T→		qid	qtns	ansr
<input type="checkbox"/>	Edit  Copy  Delete	1	Where is the livingroom should be located?	Living room or Drawing room should be located in e...
<input type="checkbox"/>	Edit  Copy  Delete	2	How to analyze the Plot for construction of house ...	If you have bought a land/plot which is not as per...
<input type="checkbox"/>	Edit  Copy  Delete	3	where to have pooja room	near kitchen
<input type="checkbox"/>	Edit  Copy  Delete	4	where to have pooja room	near hall

## 6. DEPLOYMENT

Deployment diagrams are a set of nodes and their relationships. These nodes are physical entities where the components are deployed. Deployment diagrams are used for visualizing deployment view of a system. This is generally by the deployment team. Deployment diagrams are used for describing the hardware components where software components are deployed. Deployment diagrams are used by the system engineers.

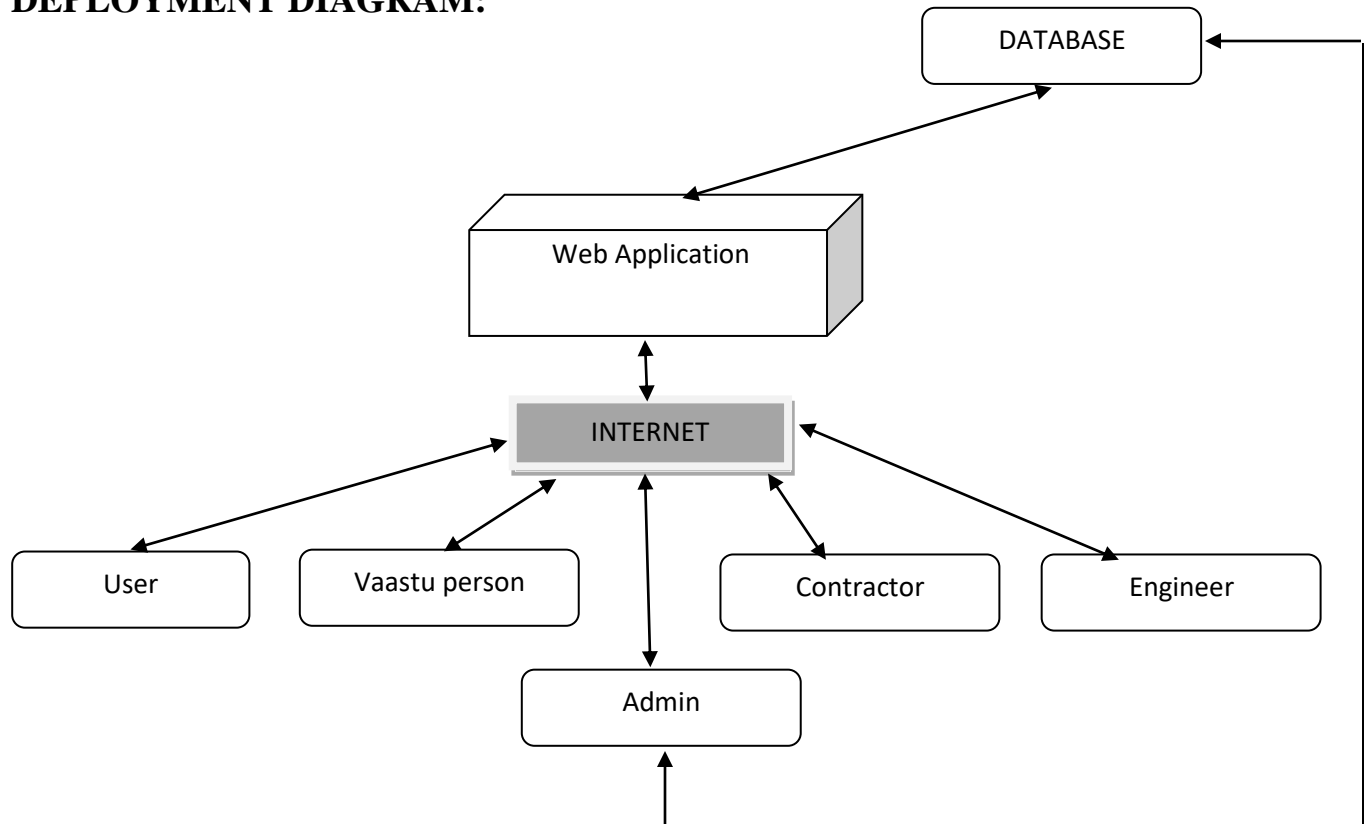
The purpose of deployment diagram can be described as:

- Visualize hardware topology of a system.
- Describe runtime components used to deploy software components.
- Describe runtime processing nodes.

Deployment diagrams also controls the following parameters

- Performance
- Scalability
- Maintainability
- Portability

## DEPLOYMENT DIAGRAM:



## 7. CONCLUSION

Our website enables in bringing clustered planning in construction into a single unit. The stakeholders come together into a single place and can communicate easily with each other. User can request for plans and check vaastu and building materials. Vaastu person can add vaastu related questions. Engineer can add plans to the house and respond to user requests. Contractor can add designs and also responds to user. Admin has superior functionalities and can manage all the stakeholders.