# "Work O"

A PROJECT REPORT

*Submitted by*

**Heena Solanki (140670107032)**

**Hinal Patel (140670107033)**

**Raksha Panchal (140670107059)**

*Done under guidance of*

*Prof. Pravina Shah*

*In fulfilment of*

**BACHELOR OF ENGINEERING**

*In*

COMPUTER ENGINEERING

**SAL Institute of Technology & Engineering Research, Ahmedabad**

**Gujarat Technological University, Ahmedabad**

April, 2018

COMPUTER ENGINEERING

2017-2018

SAL TECHNICAL CAMPUS

Engineering
Management
Pharmacy

# *CERTIFICATE*

**Date:**

This is to certify that the project on "**Work O**" has been carried out by **Heena Solanki (140670107032), Hinal Patel (140670107033) and Raksha Panchal (140670107059)** under my guidance in fulfilment of the degree of bachelor of engineering in Computer Engineering (VIII semester) of Gujarat Technological University, Ahmedabad during the academic year 2017-18

| Internal Guide | Project coordinator | Head of Department |
|---|---|---|
| Prof. Pravina Shah | Prof. Biren Patel | Dr S.G. Desai |

# Acknowledgement

We have a great pleasure in presenting this project report on “Work O” and to express our deep regard to towards those who have offered their valuable time and guidance in our hour of need. We would like to express our gratitude to our inspiring internal guide Mrs. Pravina Shah, who gave us the guidance and encouraged us throughout this project. We would like to thank SAL INSTITUTE OF TECHNOLOGY AND ENGINEERING RESEARCH, Ahmedabad for giving us the facility to perform this project. We furthermore would like to thank the head of computer department, Dr S.G. Desai.

It’s our pleasure in offering sincere thanks to our external guide Sir Prashant Thakkar (trainee at Icreate training centre) who has been a great support in our project phase. Last but not least, we would like to thank all for the direct and indirect help provided by friends, parents and the staff of this college.

With regards,

Heena Solanki (140670107032)
Hinal Patel (140670107033)
Raksha Panchal (140670107059)

# Abstract

‘Work O’ is application where different contractors get work from real estate companies. Through this application real estate companies can add their projects with custom needs like budgets, types of property, address and location, project deadline details etc.

Contractors can bid on their projects and can track status of work. Contractors also get minimum amount from company for their bid. Contractors and real estate companies can chat.

Real estate company can also give feedbacks to contractors and customers. They can search contractors for projects of real estate area wise and as per their requirement and they can have the best for investment of their property and customer can also give feedback for this.

**Users:**

- Admin
- Real estate company
- Contractor
- Investor(optional)

**Admin**

- Admin authenticate Real estate company and their projects.
- Admin can maintain all history of bidding,work and all payments.

**Real estate company**

- Real estate company can add their profile with photos.
- Real estate company add projects with area, type, price etc.
- Real estate company view all bid and view contractor profile.
- Real estate company can approve or reject request of contractor bidding.
- Real estate can view investments of user for their projects.

**Contractors**:

- Contractors are register themselves with profile and view or search the projects by company, area, budgets etc.
- Contractors can bid for projects.
- Contractors can chat with company.

**Investors (optional):**

Customers search projects of Real estate area wise and also they can invest in group.

# List of Tables

# List of figure

# INDEX

Appendix- I : Business Model canvas

Appendix- II : Periodic Progress Report

Appendix- III : Patent Report

Appendix- IV : Plagiarism Report

# *Chapter-1*
# *Introduction*

## 1.1 Project Purpose

This website is an online real estate where contractors, investors and real estate agent interact with each other, through which a user can access its information and manage all the adding, updating, deleting the assets and some of its tasks.

The Admin user can update the information regarding property selling and buying and cancellation. The system is very useful for the companies who develop apartments, hotels, villa, residential properties and commercial properties. Companies or individual agents can also advertise their property.

## 1.2 Project scope

The realm of World Wide Web have spread across millions of household, so naturally, Internet has become by far the best platform for real estate marketing today. Nowadays when everything is online, how is it possible that real estate left web application behind. There are lot of real estate companies who advertise their property online so idea behind developing this application is that their property can also be constructed or invest in property using this. These applications are not widely popular but in future, they have large managing property scope of growth.

This website is an online real estate management through which individual agent or buyer can maintain their property document keeping registration and also access its information and manage all the adding, updating, deleting the some of its tasks .The Admin user can inform their agent for regarding to property and update the information regarding property and cancellation of property or changing buyer choice.

The system is very useful for the companies or builders that can post and edit their properties and their personal info and admin can monitor records of all of them. The system is also useful which also keeps track of account details of buyer and investor and also Real Estate System industry.

## 1.3 Project Objectives

- The system should have a login. A login box should appear when the system is invoked.
- The Admin should have all the type of authority.
- The Admin should maintain property. Admin identify users type as it is real agent, contractor or investor.
- The admin user can inform their agents for regarding to property and update the information regarding property and cancellation of property or changing contractor's choice.
- The investor should invest in the property with details of property.
- The system is very useful for the contractors that can post and edit their properties and their personal information and admin can monitor records of all of them.
- The system is also useful which also keep track of account details of contractors and Investors and also RES Industry.

## 1.4 Project Goals

- **Planned approach towards working: -** The working in the organization will be well planned and organized. The data will be stored properly in data stores, which will help in retrieval of information as well its storage.
- **Accuracy: -** The level of accuracy in the proposed system cannot be decided. Because here user invest and another user build the property. There is no guarantee.
- **Reliability: -** The reliability of the proposed system will be high due to the above stated reasons. The reason for the increased reliability of the system is that now there would be proper storage of information.

## 1.5 Specific Requirements:

### Software requirements:

- Any Version of browser after Mozilla Firefox 4.0 , Internet Explorer 6.0
- Java IDE

### Hardware requirements:

- Any processor after Pentium 4.
- Any version of Windows XP or later.

## 1.6 Functional and Non-Functional Requirement:

- **Functional Requirement: -** Since this project uses database and control, it needs the retrieval of information from the database. It needs access of Database from a front end, as MySQL sever is a Microsoft Family product, it provides easy linking to the database, along with the flexibility required to develop a user-friendly from end.
- **Functional Requirements**
    a. **Usability:** The interface should use terms and concepts, which are drawn from the experience of the people who will make most of the system.
    b. **Efficiency:** The system must provide easy and fast access without consuming more cost.
    c. **Reliability:** User should never be surprised by the behavior of the system end it's easy to use to stored data and easy to used transfer voice data(only .war files)

## 1.7 System attributes:

- **Reliability**

  This system is designed to have very simple database just to cater the exact need of real estate management. It is tested for all the constrains at development stage.

- **Availability**

  This system will only be available till the system on which it is installed is running.

- **Security**

  This system is provided with authentication without which no user can pass. So only the legitimate users are allowed to use the application. If the legitimate users share the authentication information then the system is open to outsiders.

- **Maintainability**

  There will be no maintenance required for the software. The database is provided by the end-user therefore is maintained by this user.

# *Chapter 2*
# *Data Dictionary*

## 2 .0 Data Dictionary

Data dictionaries are an integral component of analysis, since data flow diagram does not fully describe the subjects of the investigation.

A data dictionary is a catalogue of the element in a system. This elements focus on data and the way are structured to meet user's requirements and needs. The major elements are data flow stores and processes. Data dictionary stores details and description of these elements.

The data dictionary contains two types of description as following:

- **Data Elements-** The most fundamental data level is the data element. It is the building block for all others in the system.
- **Data structure-** It is a set of items that are related to one as another that describes the components in the system

It is develop during data analysis and assists analysis involved in determining the system .Four main reasons of analysis are:

- To manage the details in large system.
- To communicate a common meaning for all system elements.
- To determine the features of the systems.
- To locate the errors and omissions in the system.

**Table 2.1 Login**

| Sr.No | Column Type | Data Type | Constraint | Description |
|---|---|---|---|---|
| 1 | lid | int(50) | Primary key | Primary key of login table |
| 2 | Uname | Varchar(20) | Not null | Enter User name |
| 3 | Pwd | Varchar(20) | Not null | Password of user |
| 4 | role | Varchar(20) | Not null | Role of user |

**Table 2.2 Registration table for Real estate agent:-**

| Sr.no | Column type | Data type | constraint | Description |
|---|---|---|---|---|
| 1 | rid | Int(50) | Primary key | Primary key of this table |
| 2 | rname | Varchar(50) | Not null | Name of RE user |
| 3 | company | Varchar(50) | Not null | Name of company |
| 4 | r_city | Varchar(50) | Not null | City of user |
| 5 | rexp | int(30) | allow null | Experience |
| 6 | RE_lisence | Varchar(50) | allow null | License of agent |
| 7 | rphone | Number(10) | Not null | Contact number |
| 8 | lid | Int(50) | Foreign key | Foreign key from login table |

**Table 2.3 Registration table for contractor:-**

| Sr.no | Column type | Data type | constraint | Description |
|---|---|---|---|---|
| 1 | cid | Int(50) | Primary key | Primary key of this table |
| 2 | cname | Varchar(50) | Not null | Name of contractor |
| 3 | C_email | Varchar(50) | Not null | Email of contractor |
| 4 | company | Varchar(50) | Not null | Name of company |
| 5 | C_city | Varchar(50) | Not null | City of user |
| 6 | cexp | int(30) | allow null | Experience of contractor |
| 7 | cphone | varchar(10) | Not null | Contact number |
| 8 | lid | Int(50) | Foreign key | Foreign key from login table |

**Table 2.4 Registration table for investor:-**

| Sr.no | Column type | Data type | constraint | Description |
|---|---|---|---|---|
| 1 | id | Int(50) | Primary key | Primary key table |
| 2 | iname | Varchar(50) | Not null | Name of contractor |
| 3 | iemail | Varchar(50) | Not null | Email of contractor |
| 4 | Percent0fInvest | Varchar(50) | allow null | Amount of investment |
| 5 | icity | Varchar(50) | Not null | City of user |
| 6 | iphone | varchar(10) | Not null | Contact number |
| 7 | lid | Int(50) | Foreign key | Foreign key from login table |

## Table 2.5 Payment table:-

| Sr.no | Column type | Data type | Constraint | Description |
|---|---|---|---|---|
| 1 | tid | Int | Primary key | Transaction id |
| 2 | txnid | Varchar(50) | Not null | Transaction number |
| 3 | txdate | Varchar(50) | Not null | Transaction date |
| 4 | amount | Varchar(50) | Not null | Payment amount |
| 5 | message | Varchar(50) | Not null | Message for transaction |
| 6 | iid | Int | Not null | Foreign key from investor |
| 7 | prid | int | Not null | Foreign key from addpropR |

## Table 2.6 Add Project table:-

| Sr.no | Column type | Data type | constraint | Description |
|---|---|---|---|---|
| 1 | pid | Int(50) | Primary key | Primary key of this table |
| 2 | projname | Varchar(50) | Not null | Name of project |
| 2 | projtype | Varchar(50) | Not null | Type of property |
| 3 | location | Varchar(50) | Not null | Area of project |
| 4 | worth | Varchar(50) | Not null | Price of contract |
| 6 | image | varchar(50) | Not null | Image of property |
| 7 | rid | Int(50) | Foreign key | Foreign key from real estate table |
| 8 | duration | Varchar(50) | Not null | Time for completion |

## Table 2.7 Add Property table:-

| Sr.no | Column type | Data type | constraint | Description |
|---|---|---|---|---|
| 1 | prid | Int(50) | Primary key | Primary key of this table |
| 2 | propname | Varchar(50) | Not null | Name of property |
| 2 | proptype | Varchar(50) | Not null | Type of property |
| 3 | location | Varchar(50) | Not null | Area of property |
| 4 | worth | Varchar(50) | Not null | Price of property |
| 6 | image | varchar(50) | Not null | Image of property |
| 7 | rid | Int(50) | Foreign key | Foreign key from real estate table |
| 8 | rno | Varchar(50) | Not null | Property's registration number |

## Table 2.8 Manage Requests table :-

| Sr.no | Column type | Data type | Constraint | Description |
|---|---|---|---|---|
| 1 | mrid | Int(50) | Primary key | request id is primary key of this table |
| 2 | cid | Int (50) | Foreign key | Of contractor table |
| 3 | pid | Int (50) | Foreign key | Of add project table |
| 4 | rid | Int(50) | Foreign key | Of real estate table |
| 5 | status | Varchar(50) | Not null | Status of request |

**Table 2.9 Chatting module table:-**

| Sr.no | Column type | Data type | Constraint | Description |
|---|---|---|---|---|
| 1 | mid | Int | Not null | Message id |
| 2 | msg | Varchar(100) | Not null | Chat data |
| 3 | date | Varchar(50) | Not null | Chatting date |
| 4 | sendid | Int | Not null | Sender's id |
| 5 | recvid | Int | Not null | Receiver's id |

# *Chapter 3*
# *UML Diagram*

## 3.1 Activity Diagram

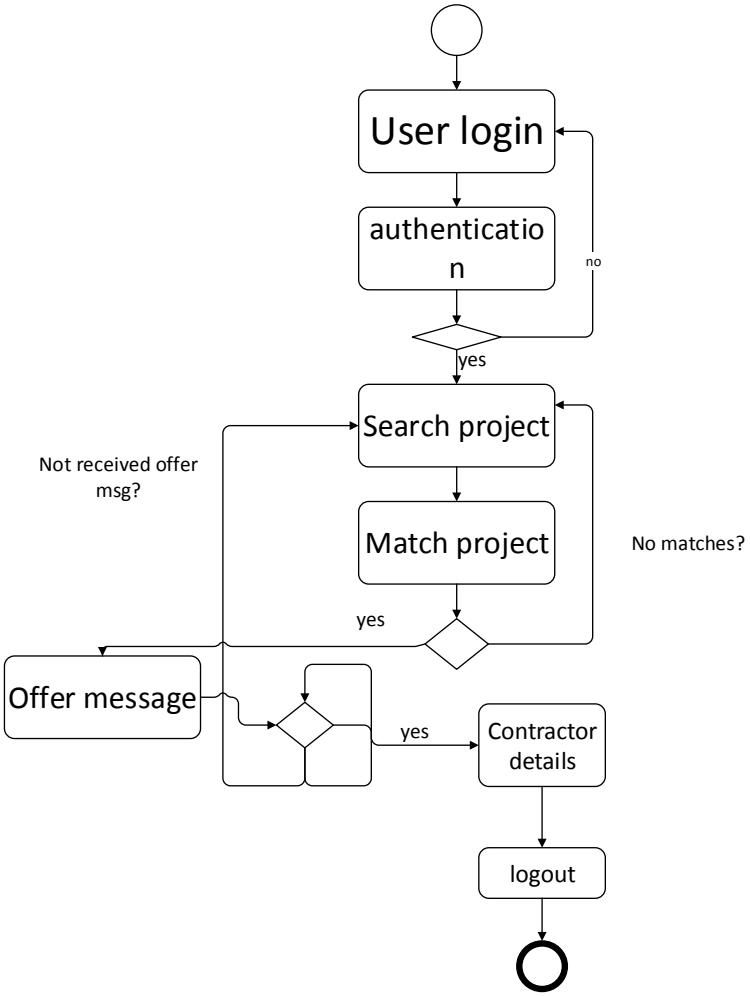



**Figure 3.1**

## 3.2 Sequence Diagram

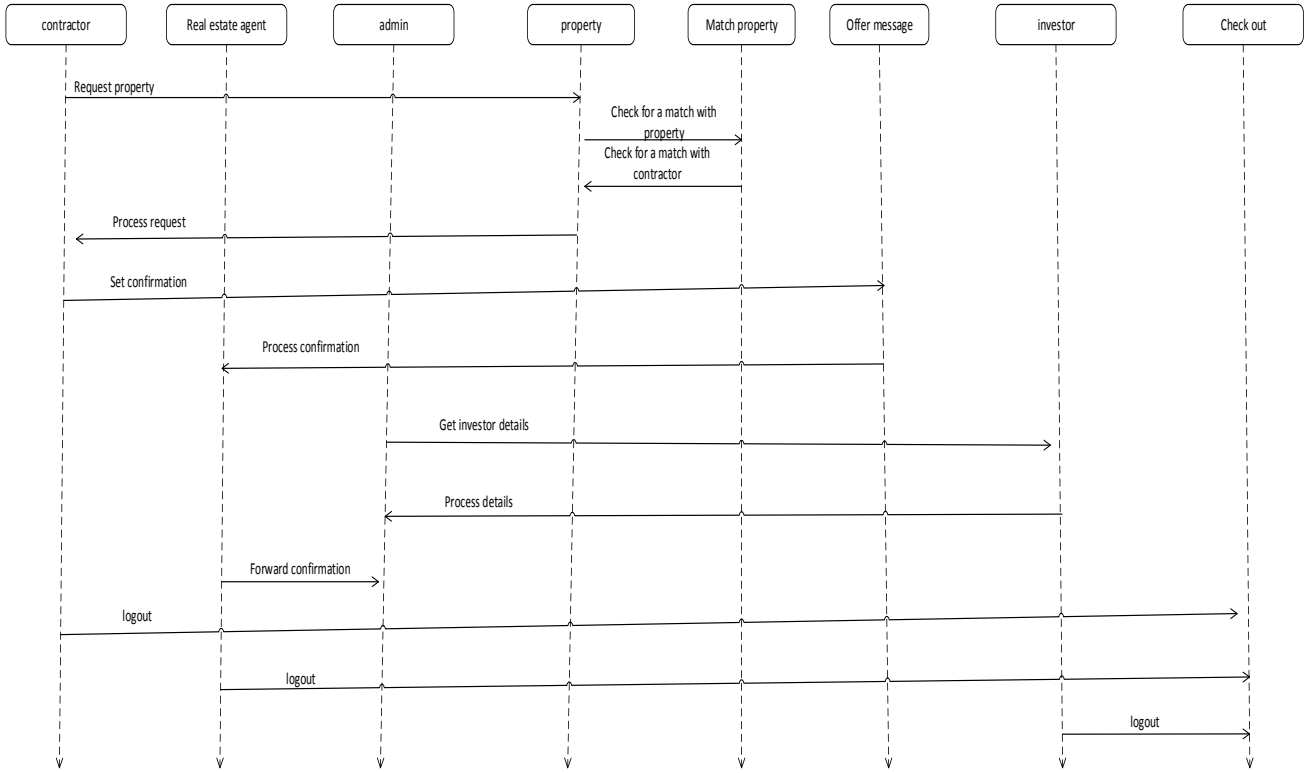



**Figure 3.2**

## 3.3 Use-case diagram

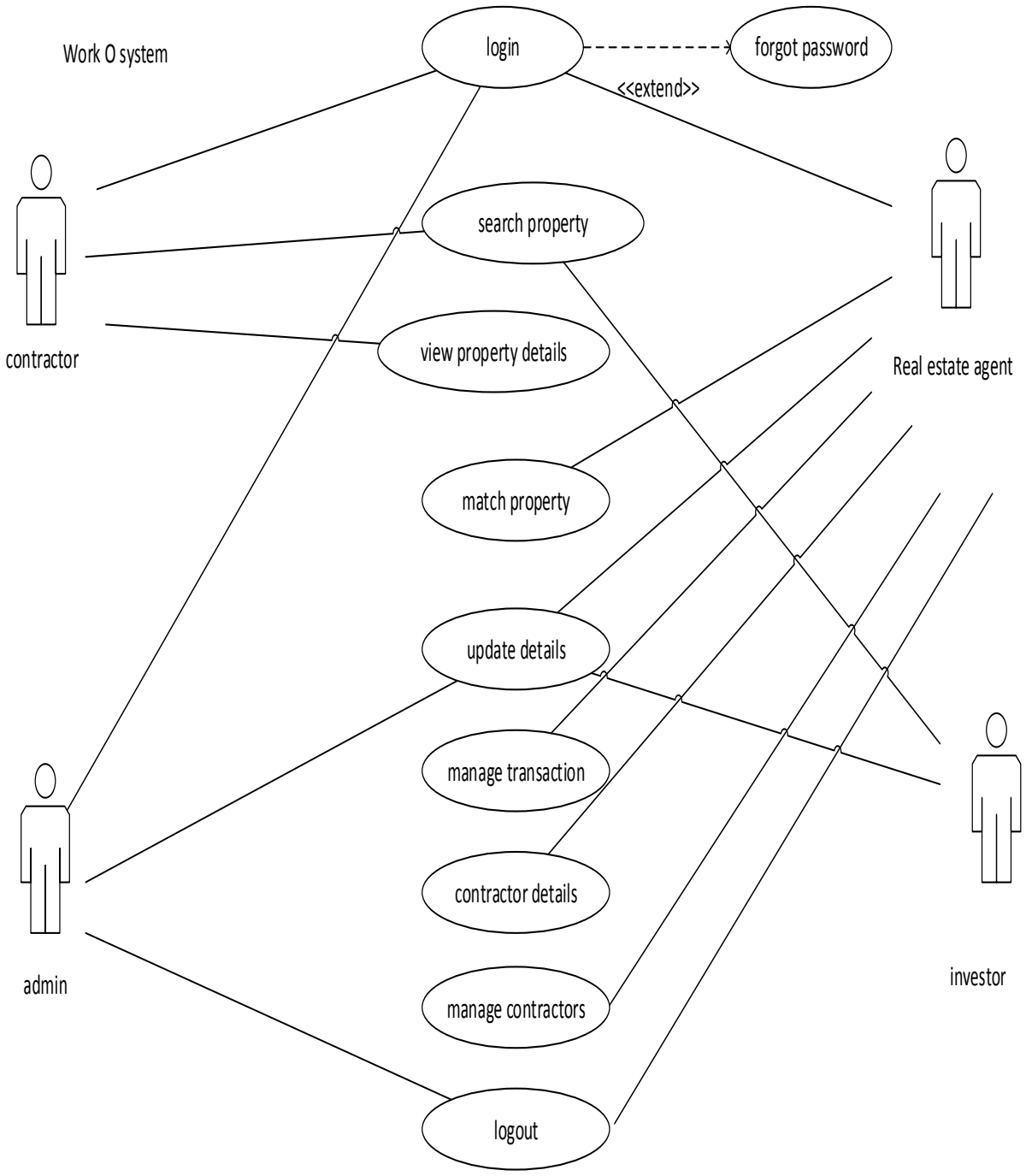



**Figure 3.3**

## 3.4 Entity Relationship diagram

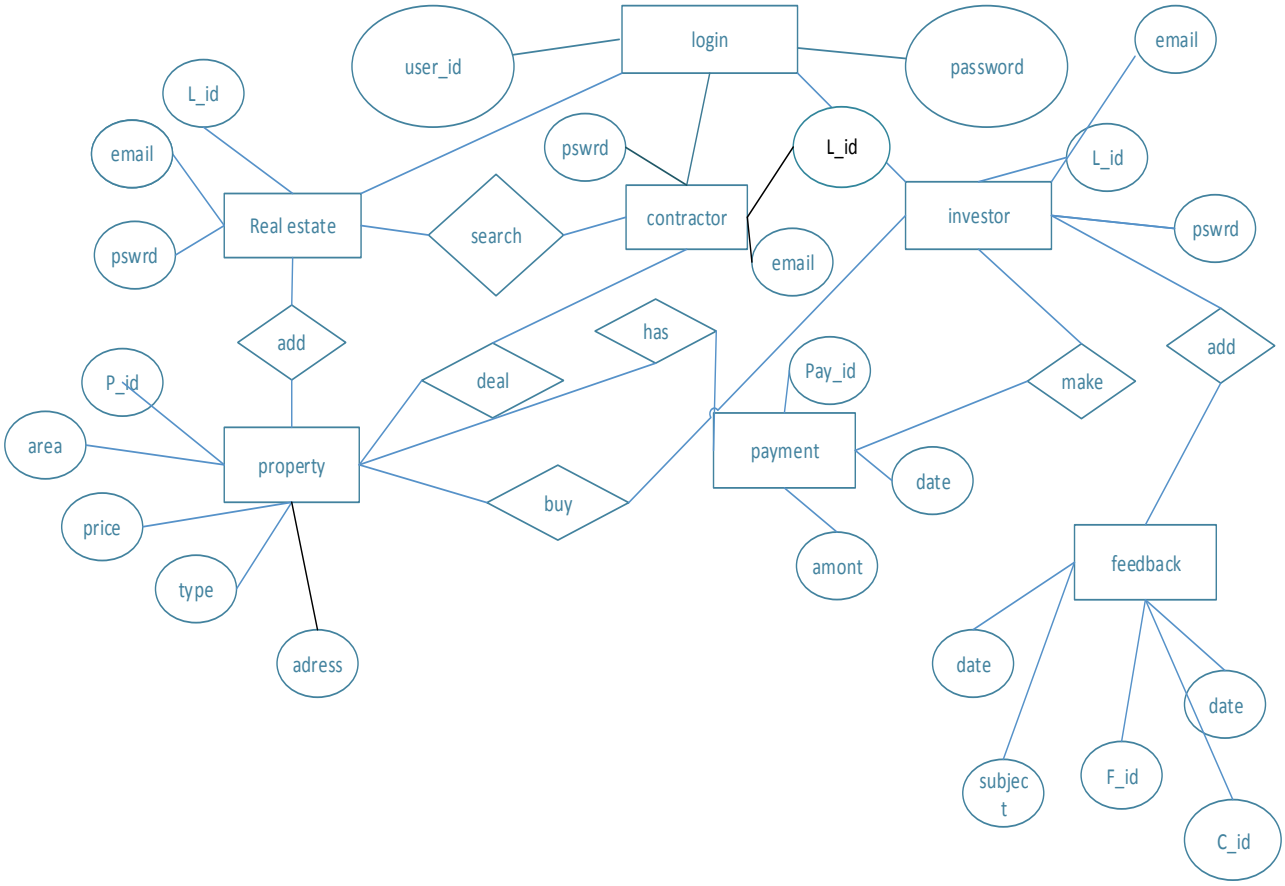



**Figure 3.4**

# *Chapter 4*
# *Data flow diagram*

## 4.0 Data flow diagrams

Data flow diagrams are also known as bubble charts. DFD is a designing tool used in the top-down approach to Systems Design. This context-level DFD is next "exploded", to produce a Level 1 DFD that shows some of the detail of the system being modeled. The Level 1 DFD shows how the system is divided into sub-systems (processes), each of which deals with one or more of the data flows to or from an external agent, and which together provide all of the functionality of the system as a whole. It also identifies internal data stores that must be present in order for the system to do its job.

### Physical vs. logical DFD:

A logical DFD captures the data flows that are necessary for a system to operate. It describes the processes that are undertaken, the data required and produced by each process, and the stores needed to hold the data. On the other hand, a physical DFD shows how the system is actually implemented or how the designer intends it to be in the future. Thus, a Physical DFD may be used to describe the set of data items that appear on each piece of paper that move around an office, and the fact that a particular set of pieces of paper are stored together in a filing cabinet. It is quite possible that a Physical DFD will include references to data that are duplicated, or redundant, and that the data stores, if implemented as a set of database tables, would constitute an un-normalized (or de-normalized) relational database. In contrast, a Logical DFD attempts to capture the data flow aspects of a system in a form that has neither redundancy nor duplication.

### Symbols of Data flow Diagram

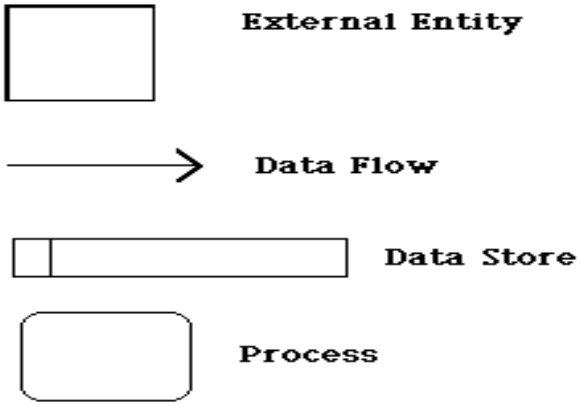



**Figure 4.0**

## 4.1 Level 0

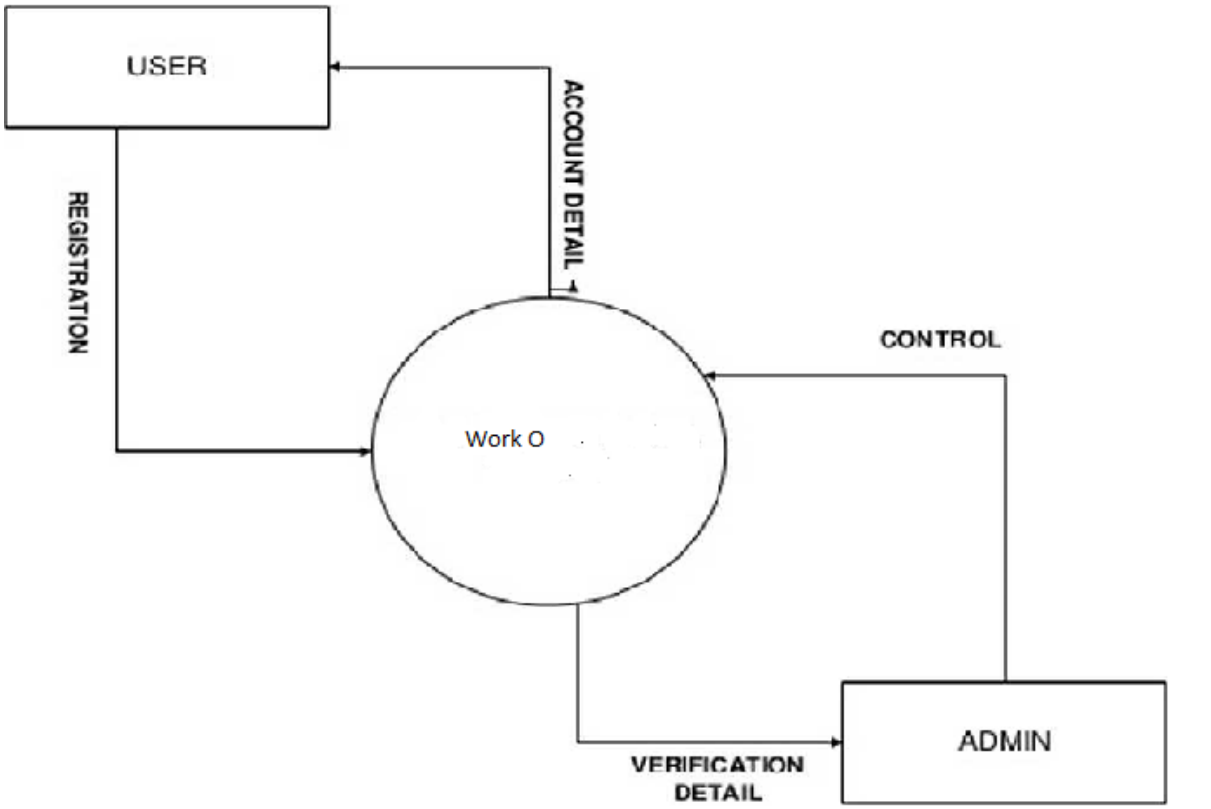



**Figure 4.1**

## 4.2 Level 1

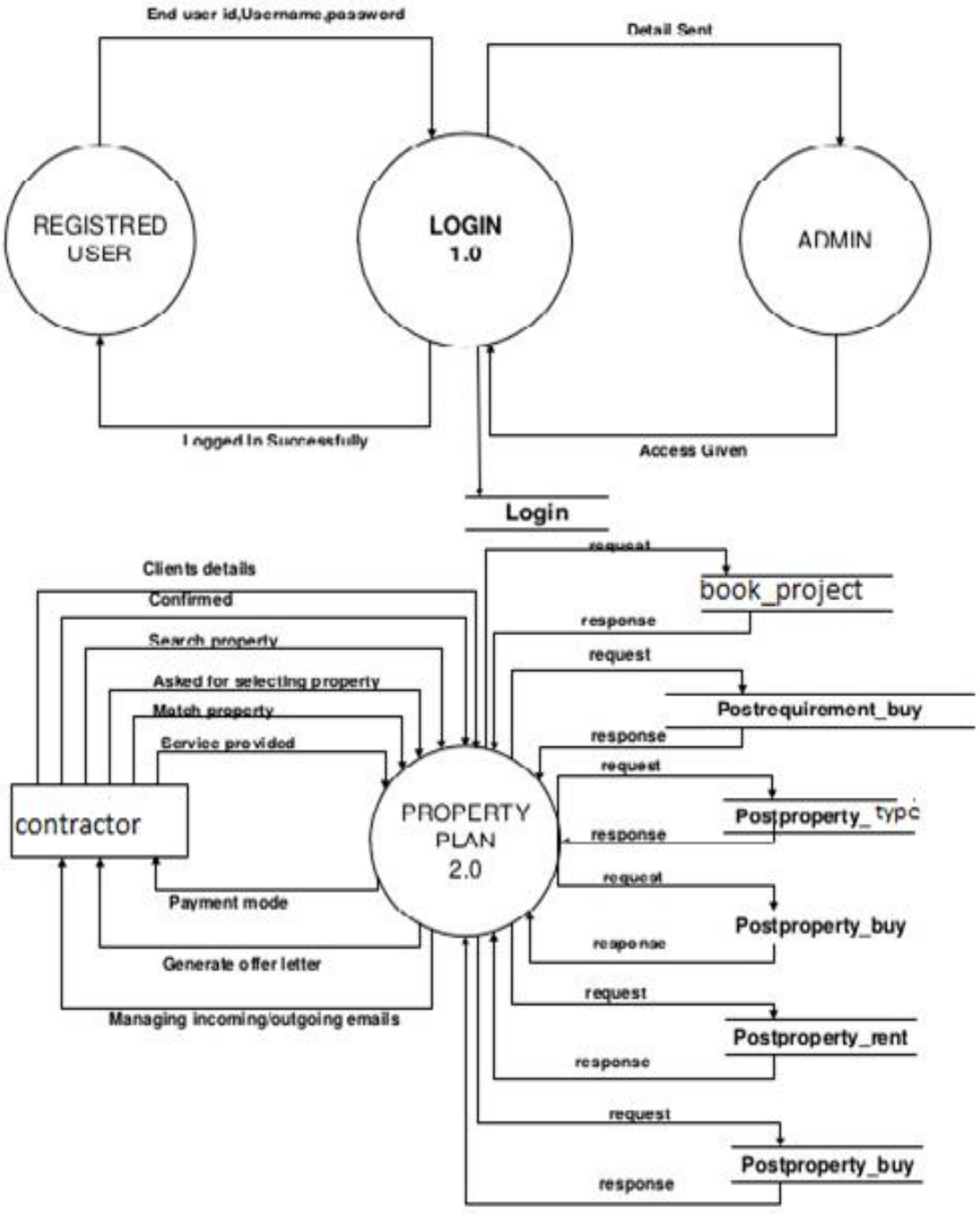



**Figure 4.2**

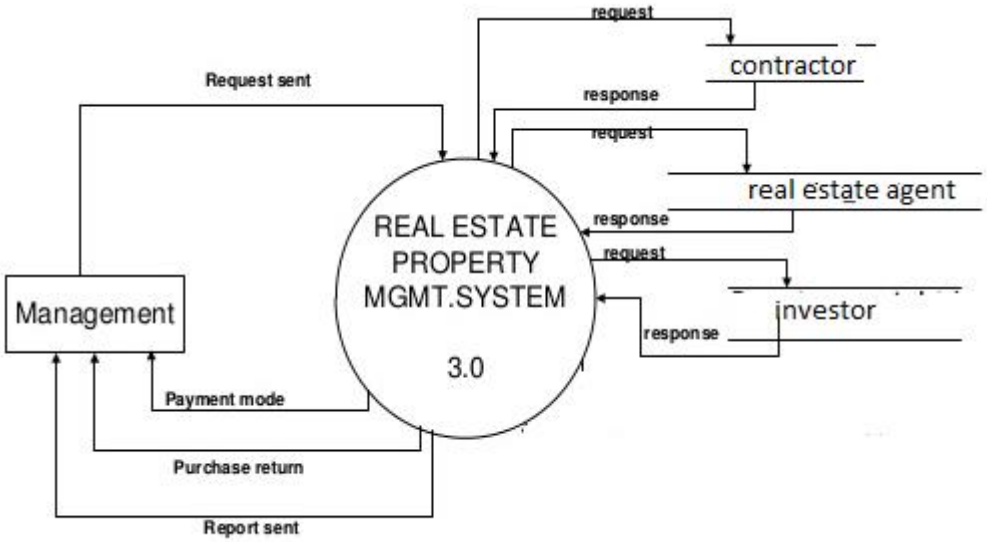

request
contractor
Request sent
response
request
real estate agent
response
request
REAL ESTATE
PROPERTY
MGMT.SYSTEM
3.0
Management
investor
response
Payment mode
Purchase return
Report sent

**Figure 4.2**

## 4.3 level 2

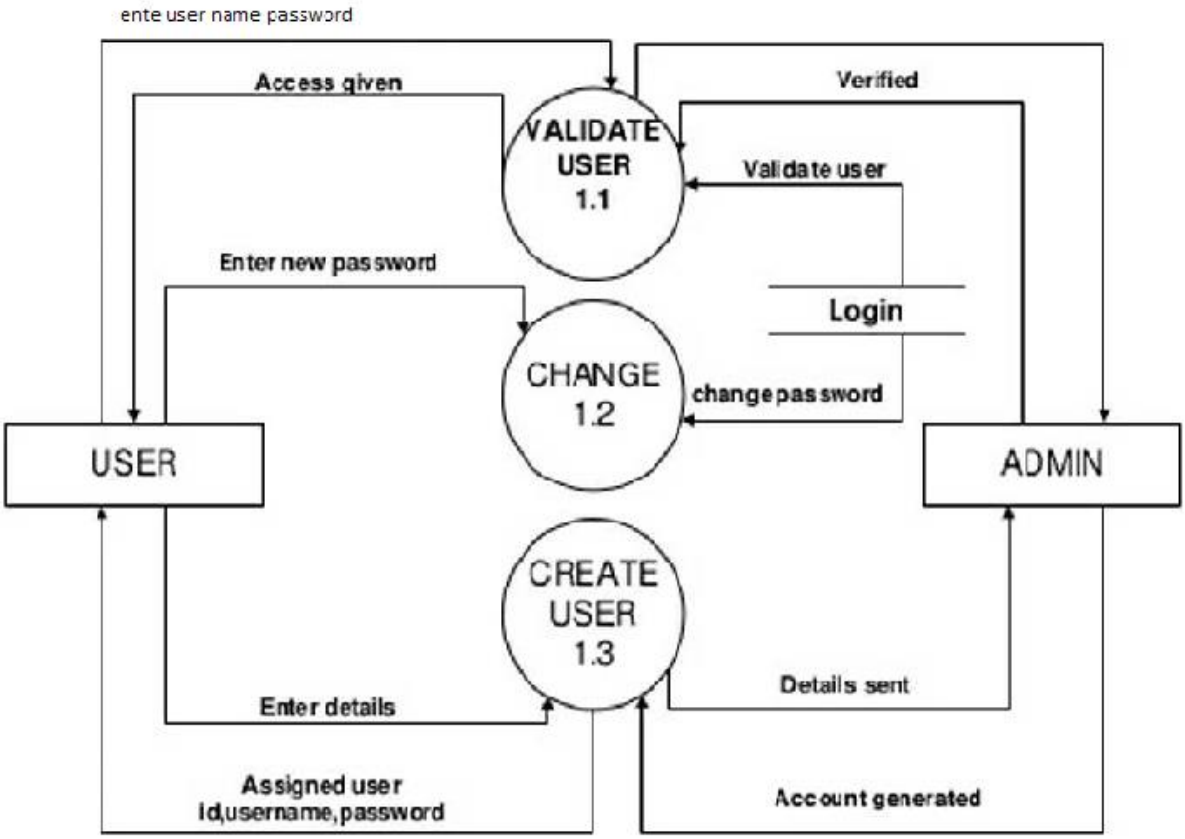



**Figure 4.3a**

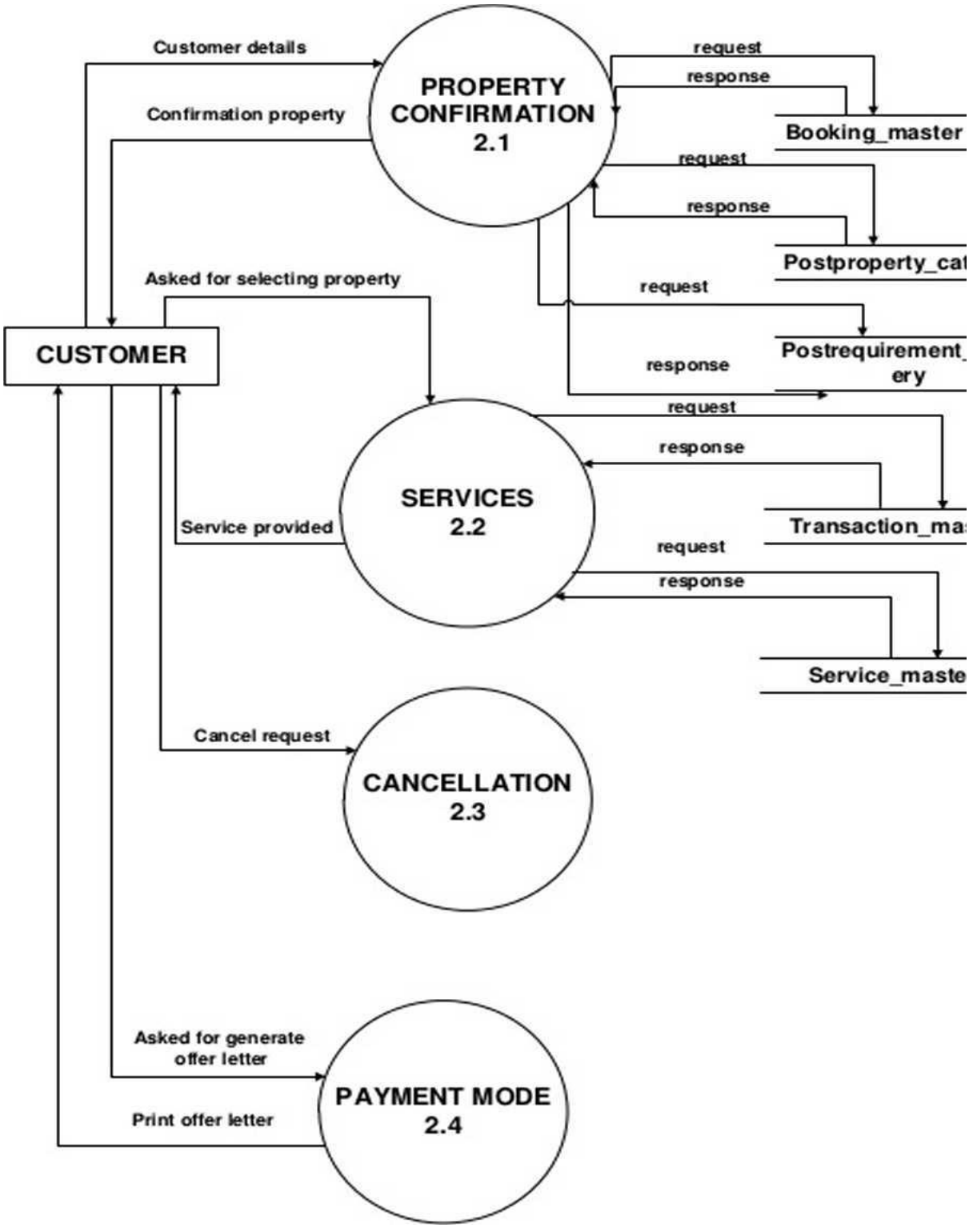
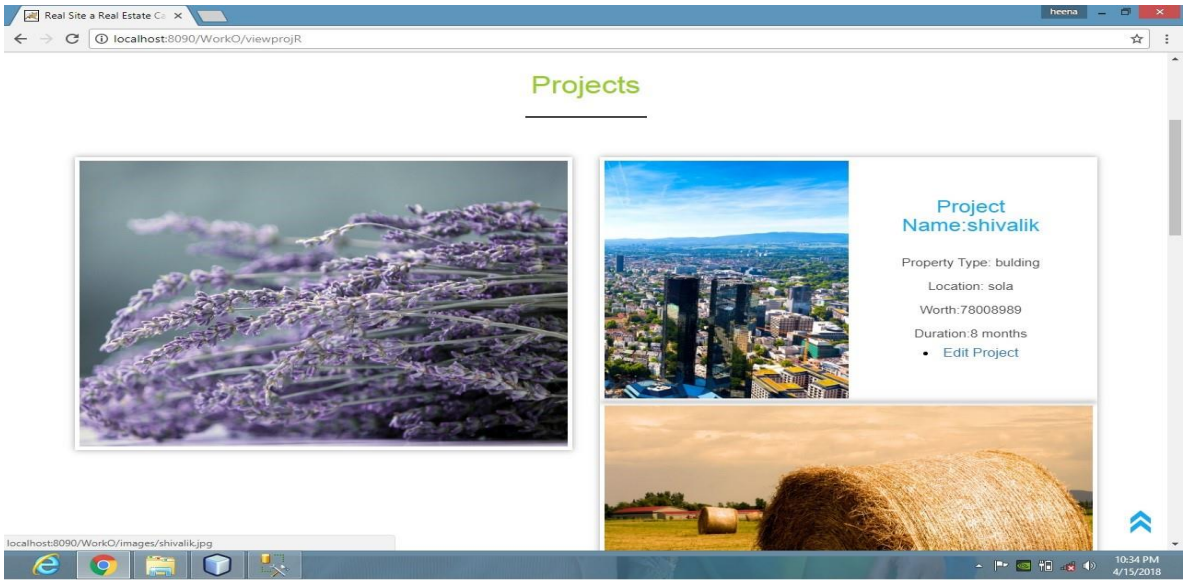
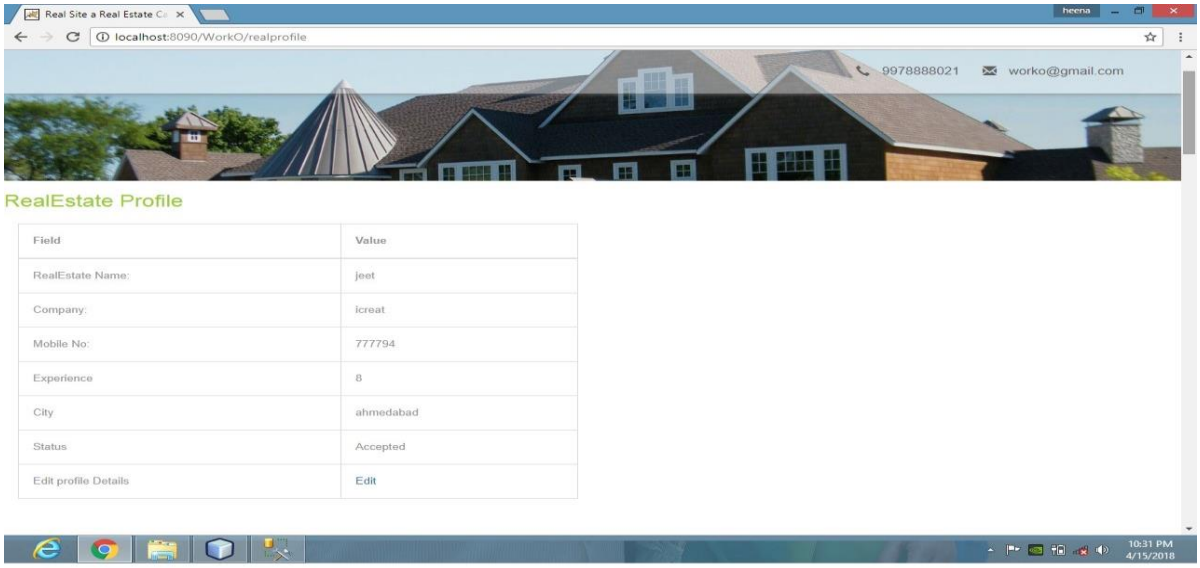

Customer details
PROPERTY CONFIRMATION 2.1
request
response
Booking_master
Confirmation property
request
response
Postproperty_cat
Asked for selecting property
request
Postrequirement_ery
CUSTOMER
response
request
response
SERVICES 2.2
Transaction_ma
Service provided
request
response
Service_maste
Cancel request
CANCELLATION 2.3
Asked for generate offer letter
PAYMENT MODE 2.4
Print offer letter

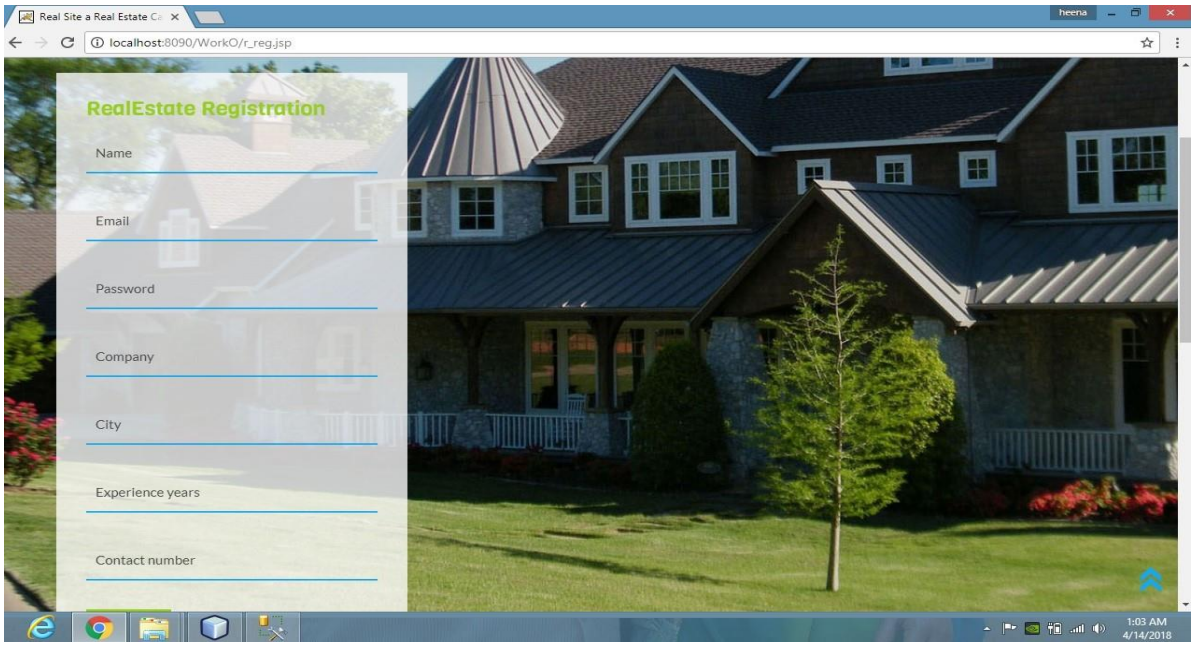
**Figure 4.3b**

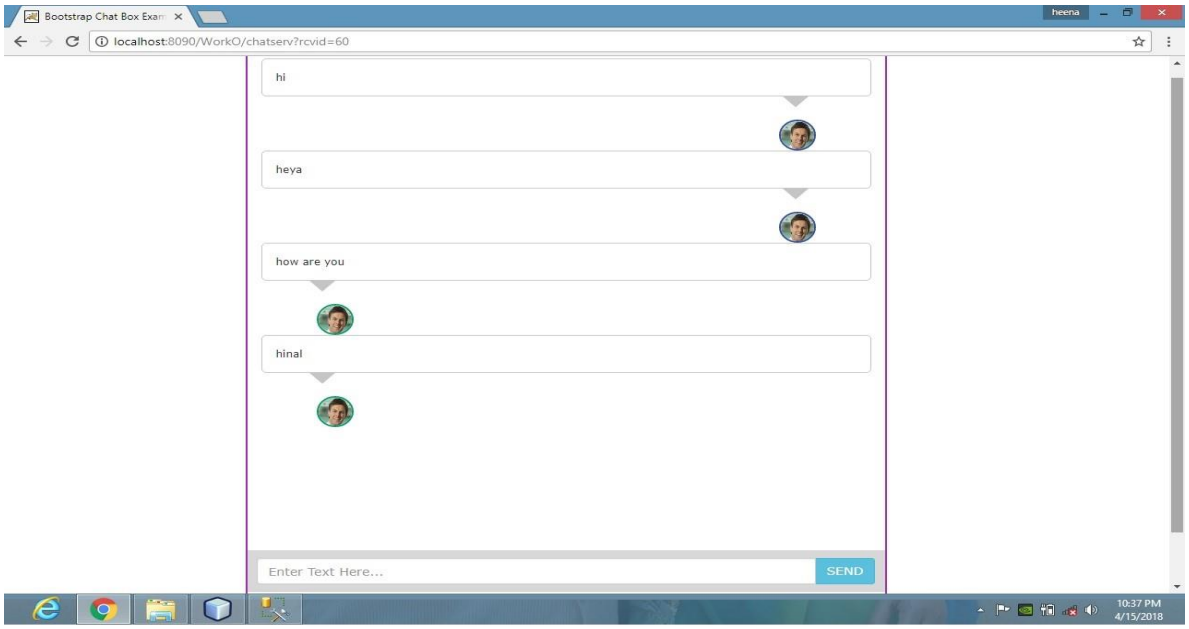
# *Chapter 5*
# *Snap shots*

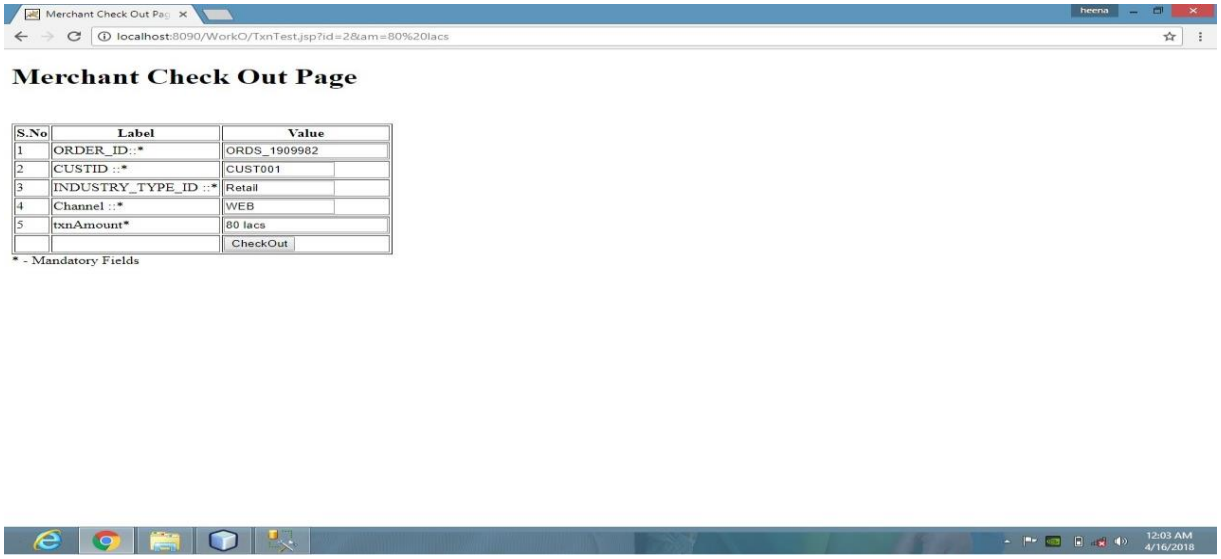
# 5.1 HOME PAGE

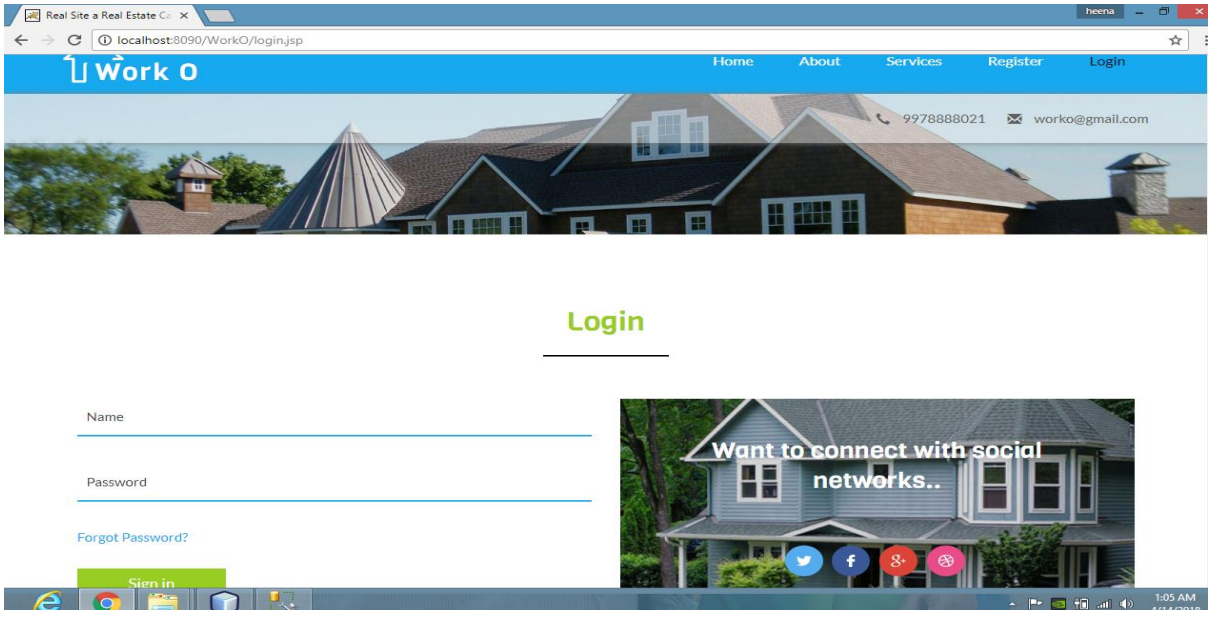

Real Site a Real Estate C
heena
localhost:8090/WorkO/viewprojR
Projects
Project Name:shivalik
Property Type: bulding
Location: sola
Worth:78008989
Duration:8 months
Edit Project
localhost:8090/WorkO/images/shivalik.jpg
10:34 PM
4/15/2018

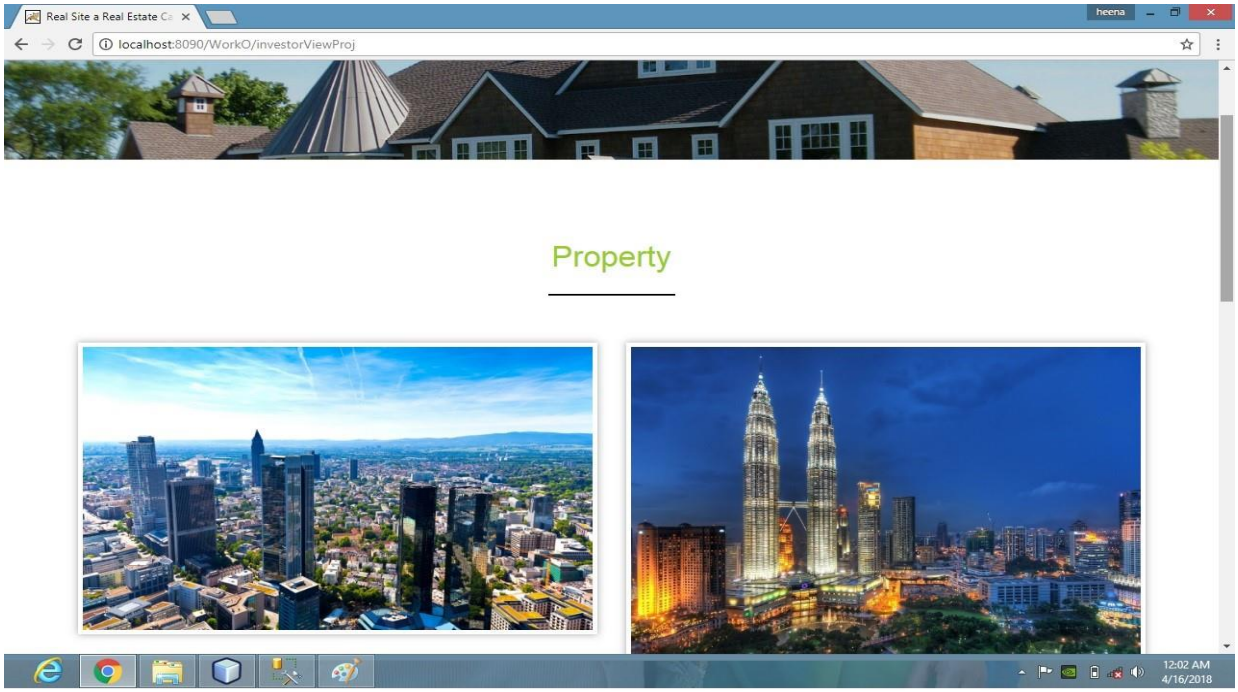

Real Site a Real Estate C
heena
localhost:8090/WorkO/realprofile
9978888021
worko@gmail.com
RealEstate Profile
Field
Value
RealEstate Name:
jeet
Company:
icreat
Mobile No:
777794
Experience
8
City
ahmedabad
Status
Accepted
Edit profile Details
Edit
10:31 PM
4/15/2018

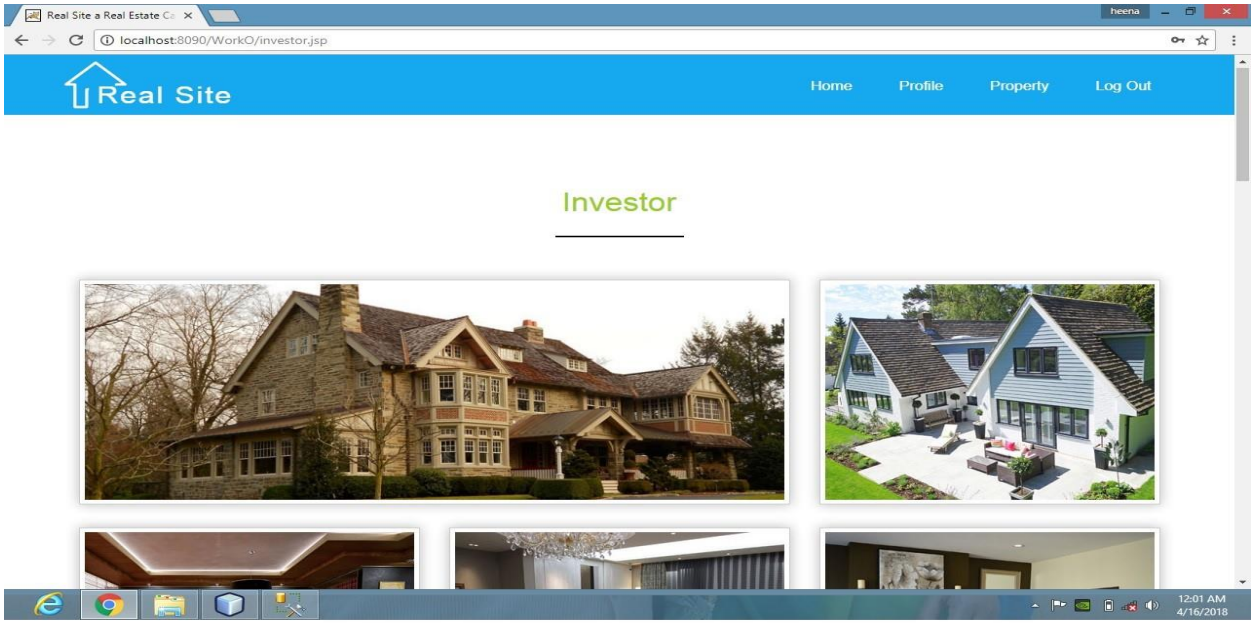

Real Site a Real Estate C
heena
localhost:8090/WorkO/r_reg.jsp
RealEstate Registration
Name
Email
Password
Company
City
Experience years
Contact number
1:03 AM
4/14/2018

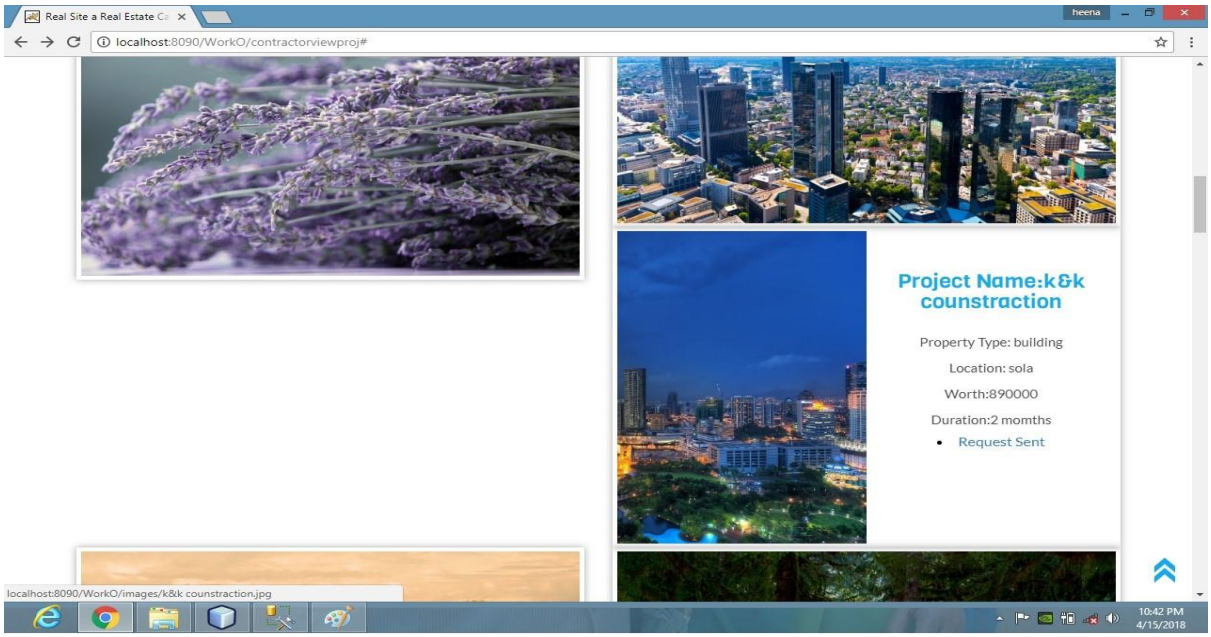

Bootstrap Chat Box Exam
heena
localhost:8090/WorkO/chatserv?rcvid=60
hi
heya
how are you
hinal
Enter Text Here...
SEND
10:37 PM
4/15/2018

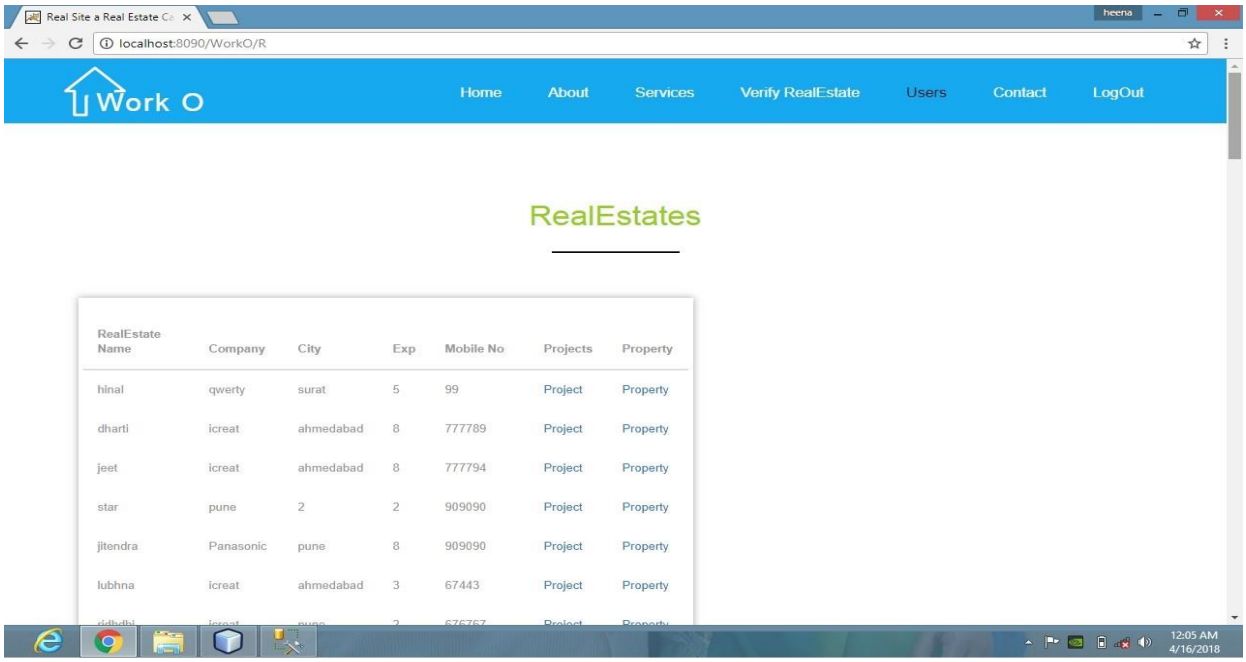

Merchant Check Out Pag
heena
localhost:8090/WorkO/TxnTest.jsp?id=2&am=80%20lacs
Merchant Check Out Page
S.No
Label
Value
1
ORDER_ID::*
ORDS_1909982
2
CUSTID ::*
CUST001
3
INDUSTRY_TYPE_ID ::*
Retail
4
Channel ::*
WEB
5
txnAmount*
80 lacs
CheckOut
* - Mandatory Fields
12:03 AM
4/16/2018

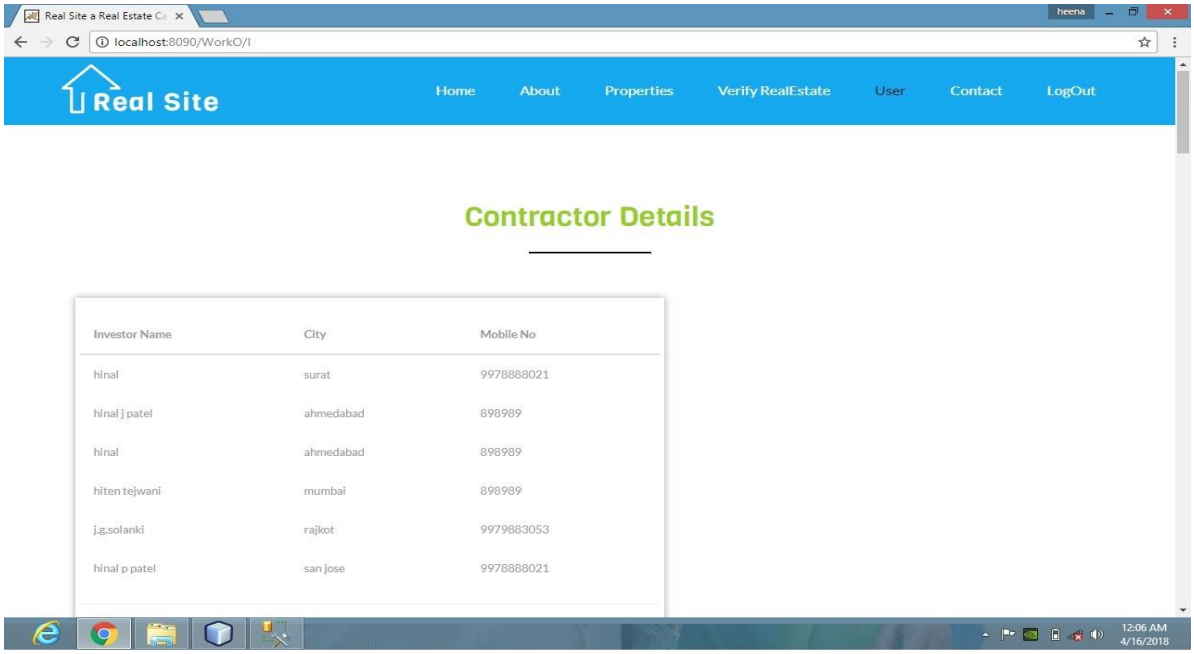

Real Site a Real Estate Co
heena
localhost:8090/WorkO/login.jsp
Work O
Home
About
Services
Register
Login
9978888021
worko@gmail.com
Login
Name
Password
Forgot Password?
Sign in
Want to connect with social networks..
1:05 AM

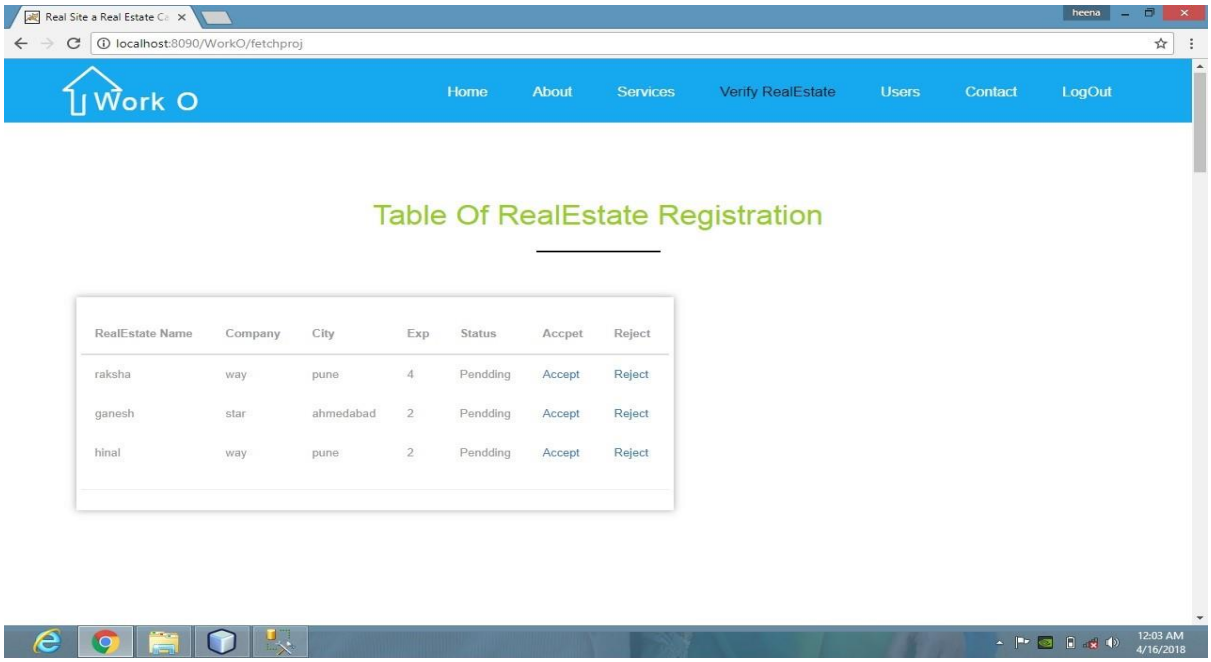

Real Site a Real Estate Ca
heena
localhost:8090/WorkO/investorViewProj
Property
12:02 AM
4/16/2018

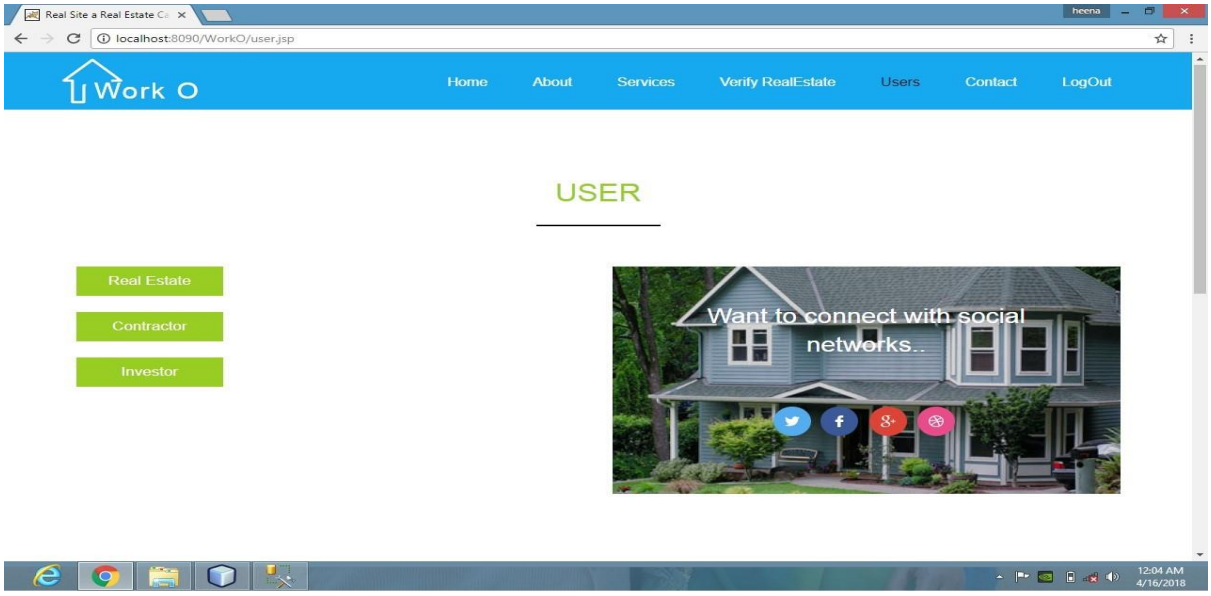

Real Site a Real Estate Ca
heena
localhost:8090/WorkO/investor.jsp
Real Site
Home
Profile
Property
Log Out
Investor
12:01 AM
4/16/2018

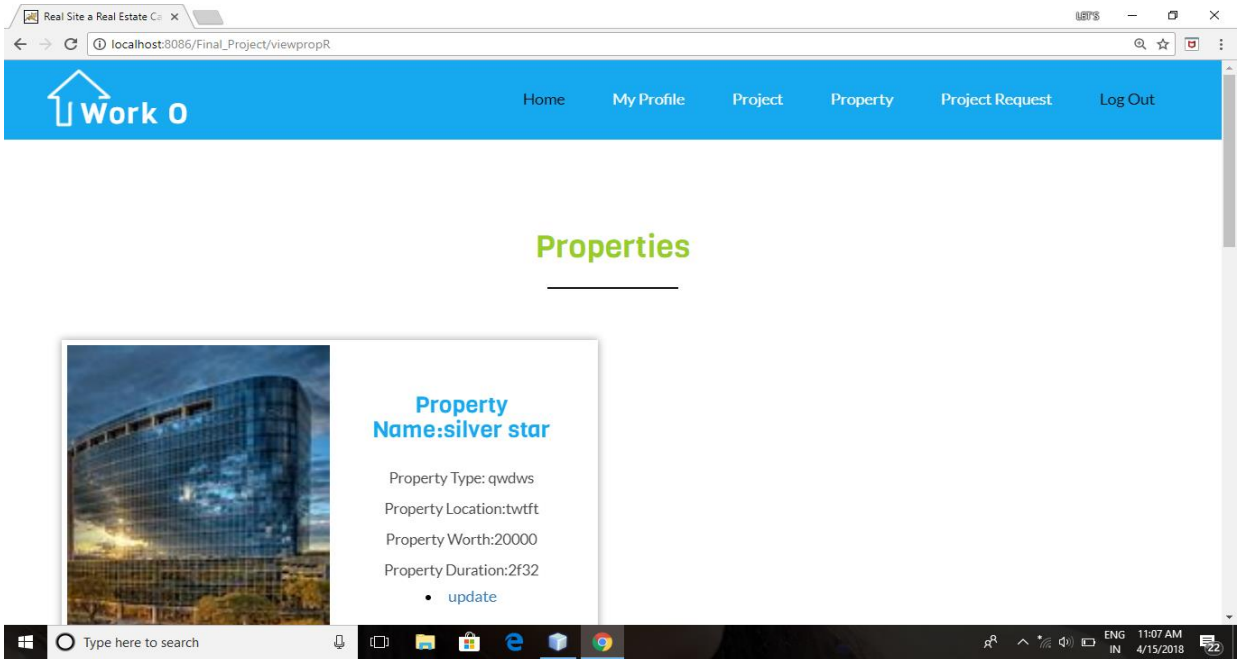

Real Site a Real Estate Co
heena
localhost:8090/WorkO/contractorviewproj#
Project Name:k&k counstraction
Property Type: building
Location: sola
Worth:890000
Duration:2 momths
Request Sent
localhost:8090/WorkO/images/k&k counstraction.jpg
10:42 PM
4/15/2018


Real Site a Real Estate Co
heena
localhost:8090/WorkO/R
Work O
Home
About
Services
Verify RealEstate
Users
Contact
LogOut
RealEstates
RealEstate Name
Company
City
Exp
Mobile No
Projects
Property
hinal qwerty surat 5 99 Project Property
dharti icreat ahmedabad 8 777789 Project Property
jeet icreat ahmedabad 8 777794 Project Property
star pune 2 2 909090 Project Property
jitendra Panasonic pune 8 909090 Project Property
lubhna icreat ahmedabad 3 67443 Project Property
12:05 AM
4/16/2018


Real Site a Real Estate Ca
heena
localhost:8090/WorkO/I
Real Site
Home
About
Properties
Verify RealEstate
User
Contact
LogOut
Contractor Details
Investor Name
City
Mobile No
hinal
surat
9978888021
hinal j patel
ahmedabad
898989
hinal
ahmedabad
898989
hiten tejwani
mumbai
898989
j.g.solanki
rajkot
9979883053
hinal p patel
san jose
9978888021
12:06 AM
4/16/2018


Real Site a Real Estate Ca
heena
localhost:8090/WorkO/fetchproj
Work O
Home
About
Services
Verify RealEstate
Users
Contact
LogOut
Table Of RealEstate Registration
RealEstate Name
Company
City
Exp
Status
Accpet
Reject
raksha
way
pune
4
Pendding
Accept
Reject
ganesh
star
ahmedabad
2
Pendding
Accept
Reject
hinal
way
pune
2
Pendding
Accept
Reject
12:03 AM
4/16/2018


Real Site a Real Estate Ca
localhost:8090/WorkO/user.jsp
Work O
Home
About
Services
Verify RealEstate
Users
Contact
LogOut
USER
Real Estate
Contractor
Investor
Want to connect with social networks..
12:04 AM
4/16/2018


Real Site a Real Estate Ca
localhost:8086/Final_Project/viewpropR
Work O
Home
My Profile
Project
Property
Project Request
Log Out
Properties
Property Name:silver star
Property Type: qwdws
Property Location:twtft
Property Worth:20000
Property Duration:2f32
update
Type here to search
ENG
IN
11:07 AM
4/15/2018

# *Chapter 6*
# *Testing*

## 6.1 Testing Plan

A test plan document the strategy that will be used to verify and ensure that a product or system meets its design specifications and requirements

Software is tested at various levels by various techniques like black box, white box, Unit testing and Integration testing etc.

Initially all the operations are tested separately while development. This is unit testing and as the developer does it, so it white box testing.

Once the operations are tested separately the leader of the phase integrates it with the other classes and he performs Integration cum Black box testing. And he/she gives remarks to developer about any error.

### 6.1.1 The Testing Process

We test the software process activities such as Design, Implementations and Requirement Engineering .Because Design error are very costly to repair once system has been started to separate, therefore, it is quite obvious to repair them at early stage of the system development.

### 6.1.2 Requirements Traceability

The most interested portion in the system is system meeting its requirements therefore testing should be planned so that all requirement are individually tested. We checked the output of certain combination of inputs, which gives desirable result, or not. Strictly stick to your requirements specifications gives you the path to get desirable result for system users.

## 6.2 Testing Methods

### White-box testing

White box testing (also known as clear box testing, glass box testing, transparent box testing, and structural testing) tests internal structures or working of a program, as opposed to the functionality exposed to the end-user. In white-box testing an internal perspective of the system, as well as programming skills, are used to design test cases. The tester chooses inputs to exercise paths through the code and determine the appropriate outputs.

While white-box testing can be applied at the unit, integration and system levels of the **software testing** process, it is usually done at the unit level.it can test paths within a unit, paths between units during integration, and between subsystem during a system level test. Through this method of test design can uncover many error or problems; it might not detect unimplemented parts of the specifications or missing requirements.

Techniques used in white box testing include;

- API testing(applications programming interface)-testing of the application using public and private APIs
- Code coverage-creating tests to satisfy some critteria of code coverage(e.g., the test designer can create tests to cause all statements in the program to be exeecuted at least once)
- **Fault injection method** - intentionally introducting faults to gauge the efficiency of testing strategies
- Mutation testing methods
- Static testing methods

Code coverage tools can evaluate the completeness of a test suite that was created with any method, including black box testing. This allows the software ream to examine parts of a system that are rarely and ensures that the most important functions points have been tested. Code coverage as a software metric can be reported as a percentage for;

Function coverage, which reports on functions executed

Statement coverage, which reports on the number of lines executed to complete the test

100% statement coverage ensures that all code paths, or branches (in terms of control flow) are executed at least once. This is helpful in ensuring correct functionality, but not sufficient since the same code may process different inputs correctly or incorrectly.

## Black box testing


**Black-box testing** treats the software as a "black box examining functionality without any knowledge of internal implementation. The tester is only aware of what the software is supposed to do, not how it does it Black-box testing methods include: equivalence partitioning, boundary value analysis, all-pairs testing, state transition tables, decision table testing, fuzz testing model based testing, use case testing, exploratory testing and Specification-based testing.

## Specification-based testing

It aims to test the functionality of software according to the applicable requirements. This of usually requires through test to be provided to the tester, who then can simply verify that for a given input, the output value (or behaviour), either "is" or "is not" the same as the excepted value specified in the test case. Test case are built around specifications and requirements, Specification-based testing may be necessary to assure correct functionality, but it is insufficient to guard against complex or high-risk situations. 24

One advantage of the black box technique is that no programming knowledge is required. Whatever biases the programmers may have had, the tester likely has a different set and may emphasize different areas of functionality. On the other hand, black box testing has been said to be "like a walk in a dark labyrinth without a flashlight." Because they do not examine the source code, there are situations when a tester writes many test cases to check something that have been tested by only one test, or leaves some parts of the program untested.

This method of lest can be applied to all levels of software testing unit, integration, system and acceptance. It typically comprises most if not all testing at higher levels, but can also dominate unit testing as well.

## Grey-box testing

Grey-box testing (American spelling: grey-box testing) involves having knowledge of internal data structures and algorithms for purposes of designing while executing those tests at the user, or black-box level. The tester is not required to have full access to the software's source code. Manipulating input data and formatting output do not qualify as grey box, because the input and output are clearly outside of the "black box" that we are calling the system under test. This distinction is particularly important when conducting integration testing between two modules of code written by two different developers, where only the interfaces are exposed for test.

## 6.3 Test Case

| SR. NO | Test case | Expected output | Actual output | Test case status |
|---|---|---|---|---|
| 1 | Check for compatibility | The system is checked by running it on local server in order to confirm the system is compatible with it | Same as Expected output | Pass |
| 2 | On successful registration and login | System is checked whether user is registering properly and user can login easily | Same as Expected output | Pass |
| 3 | Forgot Password | System is checked whether it is registering properly and user can login easily. | Same as Expected output | Pass |
| 4 | Verify, accept and reject project | System is checked whether the verification of RE agent is done after his registration . | Same as expected output | Pass |

# *Chapter 7*
# *Future enhancement*

## 7.0 Future enhancement

- Net Banking
- Online View of Property
- Map Navigation
- We will set Group Chat for all members so there will be more continent to decide the place or plan their meeting.
- We will build couple of tools which helps in traveling. Like compass for direction an in built music player which allows user to listen music while using the application.
- In future we will add advertisement module in the application. Which will make allow to earn revenue for future development.

# *Chapter 8*

# *References*

## 6.0 References


- www.google.com
- www.wikipedia.com
- www.real-estate-management-system.nic.in
- www.project-management-basics.com

# *Chapter 7*

# *Appendix*

| Sr.no | CONTENT |
|---|---|
| 1 | Periodic progress report 1 |
| 2 | Periodic progress report 2 |
| 3 | Periodic progress report 3 |
| 4 | Periodic progress report 4 |
| 5 | Business Model Canvas |
| 6 | PDE Form 1 |
| 7 | PDE Form 2 |
| 8 | PDE Form 3 |
| 9 | Plagiarism report |

# BUSINESS MODEL CANVAS

## Key Partners

Following are key partners of our system:

- **Real estate agent:** He/she uploads his properties/project for filling in contracts.
- **Contractor/builder:** They search for contracts and provide services.
- **Investor:** Search Send request for investment to real estate agent.

## Key Activities

Following are key activities of our system:

- **Registration:** All 3 users have to register.
- **Verify real agent:** approval of agent by admin.
- **Upload properties:** Real estate uploads property details.
- **View properties:** Contractors view properties of real estate
- **Track work:** track status of completion of work.
- **Reject/request:** all users request/ reject real estate for contracts/investments.

## Key Resource

Following are key Resource of our system:

- **Computers/Laptop:** computers are end user machine required for the system.
- **Internet/WiFi connection:** connectivity is important for websites.
- **Server and Domain Name:** For deploying server name and domain name is required.

## Value Propositions

Following are value propositions of our system:

- **Get all Contractors/rea estate details at one place:** All users can get all details at one place and then users can compare and buy the contract or invest.
- **Easy & quick search:** user can search for any projects easily and quickly.
- **Time saving:** As all users doesn't need to navigate from place to place in search of work.
- **IT platform and everything is digitalised.**
- **Less paper work and upload all details online.**

**Customer Relationships**

Following are customer relationships of our system:

- **Admin - Real estate:** admin has to verify real estate registration and then only he can move forward.
- **R E agent – contractor:** R E agent upload projects and contractor select and send request for selected project to R E agent.
- **R E agent – investor:** Investor bid the price for investing in projects**.**

**Channels**

Following are channels of our system:

- **Social media:** It can help our system to grow fast and spreading awareness about our system to end users.
- **Newspaper/Advertisements:** a media for advertising.
- **Radio**
- **Hoardings:** digital hoardings or street hoardings for advertisements

**Customer segments**

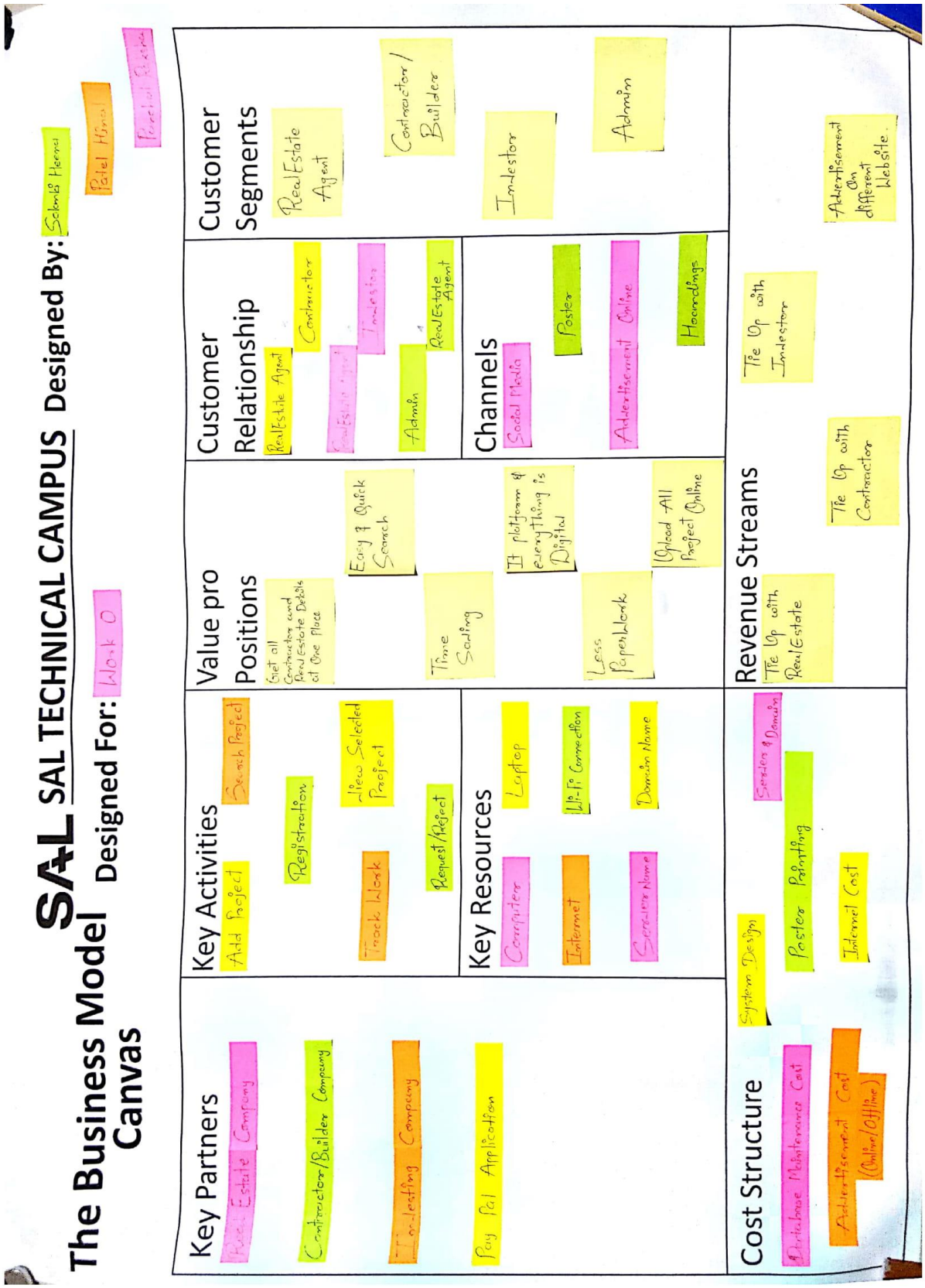
Following are customer segments of our system:

- **RE agent:** main customer of system.
- **Contractors/builders:** he is also an important customer.
- **Investor:** He can register as contractor too.
- **Admin:** He can also be an investor, RE agent or contractor

**Cost Structure:**

Following is the cost structure of our system:

- **System design:** system designing would require expertise of designers and thus require funds.
- **Server and domain:** deploying it on server and buying space on internet domain.
- **Database maintenance cost:** Maintenance of database requires investments.
- **Poster printing cost and Online advertisement cost**.
- **Internet cost:** for running website.

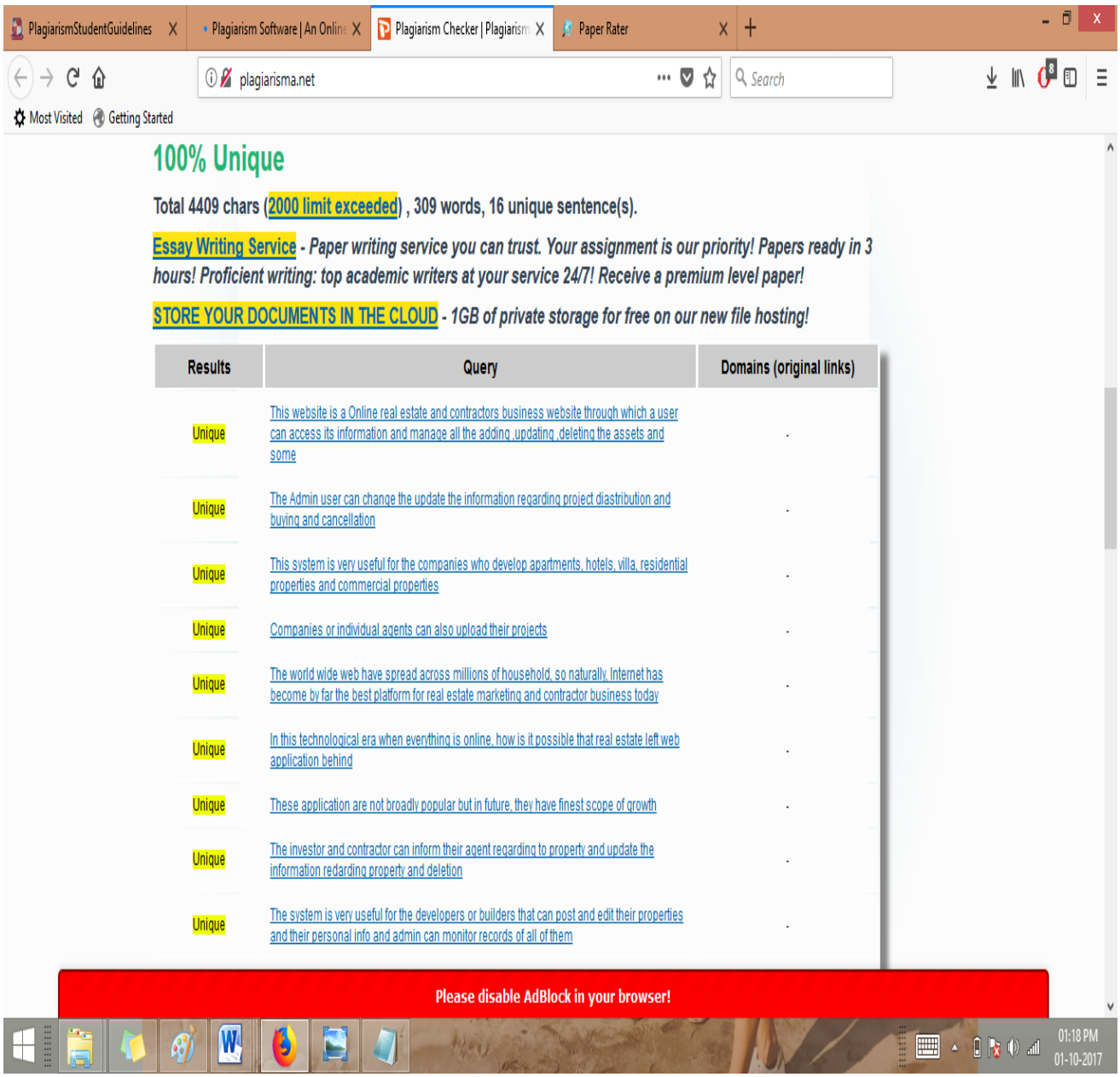



Scanned by CamScanner

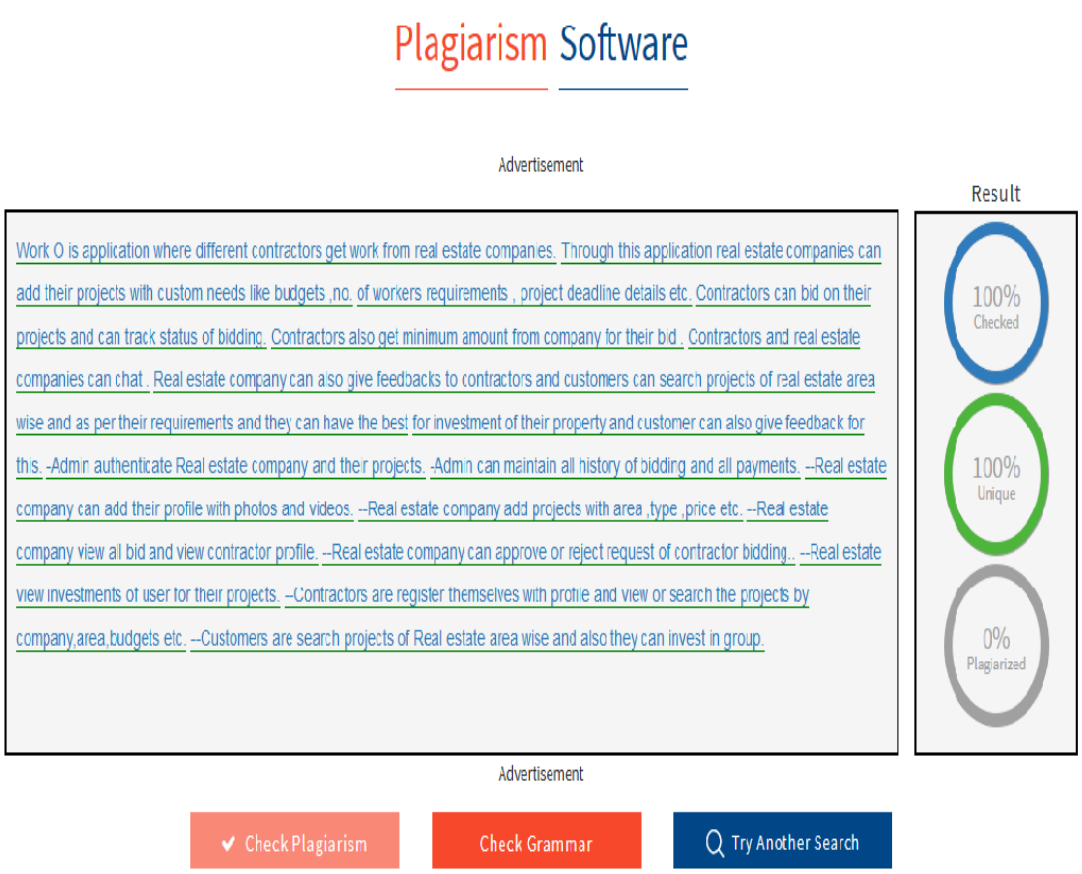
FIG

# Plagiarism report

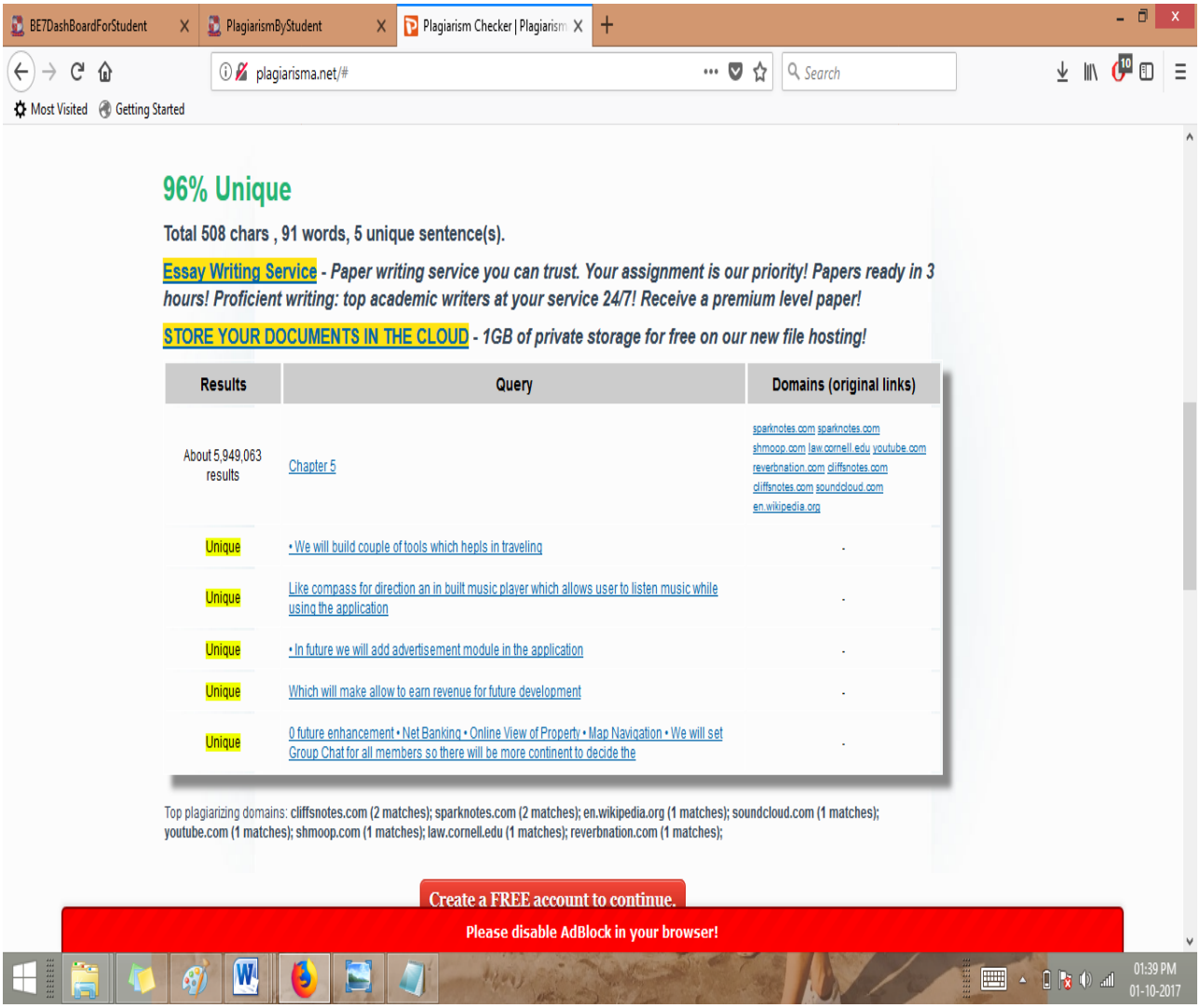
## Introduction



# Abstract


Plagiarism Software
Advertisement
Result
Work O is application where different contractors get work from real estate companies. Through this application real estate companies can add their projects with custom needs like budgets ,no. of workers requirements , project deadline details etc. Contractors can bid on their projects and can track status of bidding. Contractors also get minimum amount from company for their bid . Contractors and real estate companies can chat . Real estate company can also give feedbacks to contractors and customers can search projects of real estate area wise and as per their requirements and they can have the best for investment of their property and customer can also give feedback for this. -Admin authenticate Real estate company and their projects. -Admin can maintain all history of bidding and all payments. --Real estate company can add their profile with photos and videos. --Real estate company add projects with area ,type ,price etc. --Real estate company view al bid and view contractor profile. --Real estate company can approve or reject request of contractor bidding.. --Real estate view investments of user for their projects. --Contractors are register themselves with profile and view or search the projects by company,area,budgets etc. --Customers are search projects of Real estate area wise and also they can invest in group.
100% Checked
100% Unique
0% Plagiarized
Advertisement
Check Plagiarism
Check Grammar
Try Another Search

# Future enhancement



# Thank you