A project report on

Gen-N Web Store

Submitted in partial fulfillment of the requirement for
The award of the degree

MASTER OF COMPUTER APPLICATIONS
OF

Gujarat Technological University
(GTU)

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Project Guide
Kartik Trivedi

Marwadi Education Foundation's Group of Institutions
(MEFGI)
Rajkot, Gujarat.
2015 – 2016

DECLARATION

We **Pratik Ranpara** & **Chauhan Divyeshkumar B.** hereby declare that this project work entitled **Gen-N Web Store** is a record done by us.

Here we have used maximum facilities of H.T.M.L., P.H.P., JavaScript and My S.Q.L to make this web-site more easy and perfect. This web-site is completely modulated and implemented in top-down approach, using SDLC (Software Developer Life Cycle) which includes…

- ✓ Analysis
- ✓ Designing
- ✓ Coding
- ✓ Testing
- ✓ Documentation
- ✓ Implementation

We have used our maximum knowledge to make this website maximum practically in use.

Place:

Date:

Pratik Ranpara

ACKNOWLEDGEMENT

It was highly eventful session at the MCA (Masters of Computer Applications), Marwadi Educational Foundation Group of Institutes, working with highly devoted computer teacher's community and probably remains the most memorable experience. Hence this Acknowledgment is a humble attempt to thank all those who were directly or indirectly involved in our Project Work and were of immense help us to successfully complete this project.

We greatly thank **Mr. Kartik Trivedi** for giving us this opportunity and support for developing the system.

We are also thankful to all the professors whose inspiration, guidance and generous support gave us sufficient strength to prepare the project.

This acknowledgment is lifeless without expressing our heart-felt gratitude to our **parents** & **friends** for being a constant source of inspiration & uncountable reasons. This project is a small tribute to their hopes & aspirations.

Pratik Ranpara

Divyesh Chauhan

CONTENTS

SYNOPSIS

In today's modern, sophisticated and fast world, online classifieds have become a medium of communication among the internet users. On one end it is informative and on the other end it is convenient and cost effective. Online classifieds are most effective and proved market winner in current vast competitive business era. No one can ignore such a powerful medium in totally changed market environment.

Gen-N Web-Store is available to serve as your online marketplace, which gives following benefits:

- ✓ It offer simple solutions to your classified advertising needs allowing you to post electronic products classifieds.
- ✓ Promote your electronic product, company or service to a vast audience
- ✓ Build consideration, awareness, and buyer response
- ✓ Customize ads to fit individual or company needs
- ✓ Convenient and easy to use

Introduction

- Project Profile

- Project Description

- Benefits of System

- Goals of the System

PROJECT PROFILE

Project Title: Gen-N Web-Store

Front-end Tool: P.H.P

Back-end Tool: My SQL

Other Tool   JavaScript, C.S.S, H.T.M.L

Project guide: Mr. Kartik Trivedi

Team Size: 2

Project Duration: 6 Months.

Submitted By: Chauhan Divyeshkumar B.

                        Pratik Ranpara

Submitted To: Gujarat Technological University

                        (GTU)

PROJECT DESCRIPTION

Gen-N Web-Store website provides different categorized classifieds/ads. It also allow user to upload their ads.

Gen-N Web-Store allows two types of registration:

➢ User registration
User can get own account id to interact with Companies, Administrator.

➢ Company registration
Companies can register themselves as Companies who can upload advertisements and launch electronic products.

There are three major section of online classified portal.
➢ User section
➢ Company section
➢ Admin section

❖ **User Section:**
✓ In this section, user can view categorized electronic product classifieds.
✓ User can search particular classified.
✓ User can update their personal profile and password.
✓ User can give a reviews for the site or classified products.

❖ **Company Section:**
- ✓ In this section Companies can freely upload their electronic product classifieds.
- ✓ Companies can update their personal profile and password.
- ✓ Companies can upload and manage different electronic product classifieds.
- ✓ Companies can receive reviews from user and able to give response too.

❖ **Admin Section:**
- ✓ Admin can manage different database entries.
- ✓ Admin can view the information related to registered users, companies with their classified product's details.
- ✓ Admin can add and update home page slider.
- ✓ Admin can add and remove categories of classifieds.
- ✓ Admin can view and delete mails received by registered users or companies.

BENEFITS OF THE SYSTEM

- ➢ By using this system customers will be able to to post their electronic products classifieds.
- ➢ Problems may be solved.
- ➢ It is fully web based system.
- ➢ Easy maintenance of volume of data.
- ➢ No delay in any retrieving procedure.
- ➢ Lesser manpower and manual work.

GOAL OF THE SYSTEM

➢ To maintain users to add any kind of electronic products classified records with the help of "My SQL".

➢ Add product classified online and maintain full process also.

➢ To maintain records of users and companies.

➢ Give information of registered users and companies and their classifieds to administrators.

TECHNICAL DESCRIPTION

☺ Software Specification

☺ Hardware Specification

Listed below are the minimum system requirements for installing and operating the proposed system.

SOFTWARE SPECIFICATION

- ➢ Operating System: Windows XP/7/8/10
- ➢ Xampp (Apache Server & My SQL)
- ➢ Browser (Internet Explorer, Google Chrome, Mozilla Firefox)

HARDWARE DESCRIPTION

- ➢ 1.70A-GHz or higher processor
- ➢ Display Device with Minimum 1200 X 800 Resolutions.
- ➢ 512 MB of RAM
- ➢ 1 GB of available disk space

OPERATING ENVIRONMENT

☺ P.H.P

☺ Java Script

☺ H.T.M.L

☺ My SQL

P.H.P

❖ **INTRODUCTION OF PHP**

➢ The full form of PHP is "Hyper-text preprocessor". Its original name was "Personal Home Page".

➢ Resume Leadoff Software engineer, Apache team member is the creator and original driving force behind PHP. The first part of PHP was developed for his personal use in late 1994.

➢ By the middle of 1997, PHP was being used on approximately PHP is 50,000 sites worldwide.

➢ PHP is server side scripting language, which can be embedded in HTML or used as a stand-alone.

➢ PHP doesn't do anything about what a page looks and sounds like. In fact, most of what PHP does is invisible to the end user.

➢ Sometimes looking at a PHP page was not necessarily be able to tell that it was not written purely in HTML, because usually the result is HTML.

➢ PHP is an official model of apache HTTP server.

➢ PHP is fully cross-platform, meaning it runs native on several flavors of UNIX, as well as on Windows and now on Mac OS x.

❖ **ADVANTAGES OF PHP**

➢ COST:
PHP costs you nothing. It is open source software and doesn't need to purchase it for development.

➢ EASE **OF USE:**
PHP is easy to learn, compared to the others. A lot of ready made PHP scripts are freely available in market so, you can use them in your project or get some help from them.

➢ HTML - SUPPORT:
PHP is embedded within HTML, In other words PHP pages are ordinary HTML pages that escape into PHP mode only when necessary. When a client requests this page the web server preprocesses it.

➢ CROSS-PLATFORM CAPABILITY:
MySQL run native on every popular flavor of Unix and Windows. A huge percentage PHP and of the world's HTTP servers run on one of these two classes of OS

➢ STABILITY:
o The server doesn't need to be rebooted often.
o The software doesn't change radically and incompatibly from release to release.
o To our advantage, both of these apply to both MySQL and PHP.

➢ SPEED:
PHP is pleasingly zippy in its execution, especially when compiled as and Apache module on the Unix side. Although it takes a slight performance hit by being interpreted rather than compiled, this is far outweighed by the benefits PHP drivers from its status as a Web server module.

JAVA SCRIPT

❖ **WHAT IS JAVASCRIPT?**

➢ JavaScript was designed to add interactivity it HTML pages.

➢ JavaScript is a scripting language (a scripting language is a lightweight programming language).

➢ A JavaScript consists of lines of executable computer code.

➢ A JavaScript is usually embedded directly into HTML pages.

➢ JavaScript is an interpreted language (means that scripts execute without preliminary complication).

➢ Everyone can use JavaScript without purchasing a license.

❖ **Are JAVA AND JAVASCRIPT SAME?**

➢ No! Java and JavaScript are to completely different language in both concept and design.

➢ Java (Developed by Sun Microsystems) is a powerful and much more complex programming language in the same category as C and C++.

❖ **WHAT CAN JAVASCRIPT DO?**

➢ **JAVASCRIPT GIVES HTML DESIGNERS A PROGRAMMING TOOL**
Html authors are normally not programmers but JavaScript is a scripting language with a very simple syntax. All most any one can put a small "Snippets" of code into their HTML pages.

➢ **JAVASCRIPT CAN PUT DYNAMIC TEXT INTO HTML PAGES ~**
A JavaScript statement like this: document. Write ("<h1>" + name
+ "</h1>") can write a variable text into a HTML page.

➢ **JAVASCRIPT CAN REACT TO EVENTS ~**
Set to execute when something happens like when a page has finished loading or when a user clicks on HTML elements.

➢ **JAVASCRIPT CAN READ AND WRITE HTML ELEMENTS ~**
A JavaScript can read and change the content of an HTML element.

➢ **JAVASCRIPT CAN BE USED TO VALIDATE DATA ~**
JavaScript can be used to validate from data before it is submitted to a server, this will save the server from extra processing.

➢ **JAVASCRIPT CAN BE USED TO DELETE THE VISITOR'S BROWSER**
JavaScript can be used to delete the visitor's browser, and – depending on the browser load another pages specifically a design for that browser.

H.T.M.L

- Tim Berners-Lee originated HTML.
- HTML developed a few years ago as a subset of SGML (Standard generalized markup language), which is a higher-level markup language that has long been a favorite of the department of defense.
- Any HTML document is also valid for SGML.
- HTML is a hypertext markup language that is used to develop web pages.
- HTML is not a programming language Like C, C++ and a JAVA.
- It is a cross platform markup language that is design to be flexible enough to display text and other elements Like Graphical on a variety of views.
- The HTML documents consists of a special tags that are embedded in an ASCII document
- Web browser like Internet Explorer, Netscape navigator etc, Interprets these tags.

<u>My SQL</u>

- ➢ MYSQL, the most popular open source SQL database management system, is developed, distributed, and supported by MYSQLAB.

- ➢ MYSQLAB is a commercial company, founded by the MYSQL developers. It is second-generation open source company that unities open source values and methodology with a successful business model.

- ➢ The MYSQL web site ("http://www.MySQL.com/") provides the latest information about the MYSQL software and MYSQLAB.

- ➢ The official way to pronounce "MYSQL" is "MY ESS QUE ELL" (not "my sequel"), but we don't mind if you pronounce if as "my sequel" or in some other localized way.

❖ FEATURE OF MYSQL

- ➢ MySQL is a Database Management System.

- ➢ MySQL is a relational Database Management System.

- ➢ MySQL software is Open Source.

- ➢ The MySQL Database server is very fast, reliable, and easy to use.

- ➢ MySQL server works in client/server or embedded system environment.

- ➢ A large amount of contributed MySQL software is Available.

Feasibility Study

☺ Technical Feasibility

☺ Economic Feasibility

☺ Operational Feasibility

Feasibility of a project determines whether it is possible to develop the project. There are three main factors, which determine the feasibility of the project.

Technical Feasibility

The technical feasibility takes into consideration the technical requirements and their availability in the market. It determines whether it is possible to develop the proposed system with the present technologies available.

Economic Feasibility

The economic feasibility takes into consideration the financial matters regarding the proposed system. The organization measures the cost effectiveness of the proposed system.

Operation Feasibility

The operation feasibility deals with the matter whether the proposed system fulfills the requirement of the firm. This feasibility determines whether the proposed system covers all the aspects of the current system.
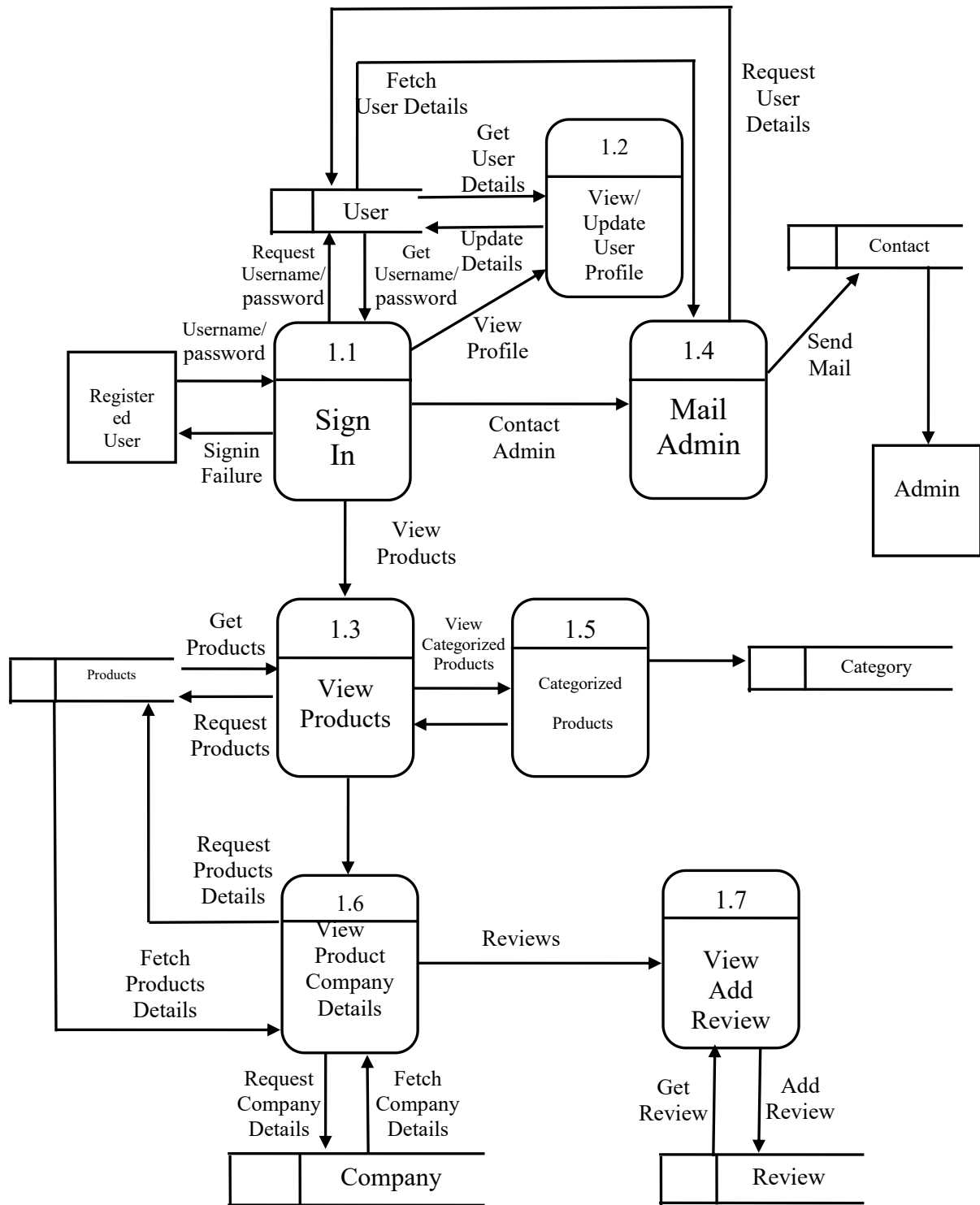
SYSTEM DESIGNING AND DEVELOPMENT

☺ Data Flow Diagram

☺ Use Case Diagram
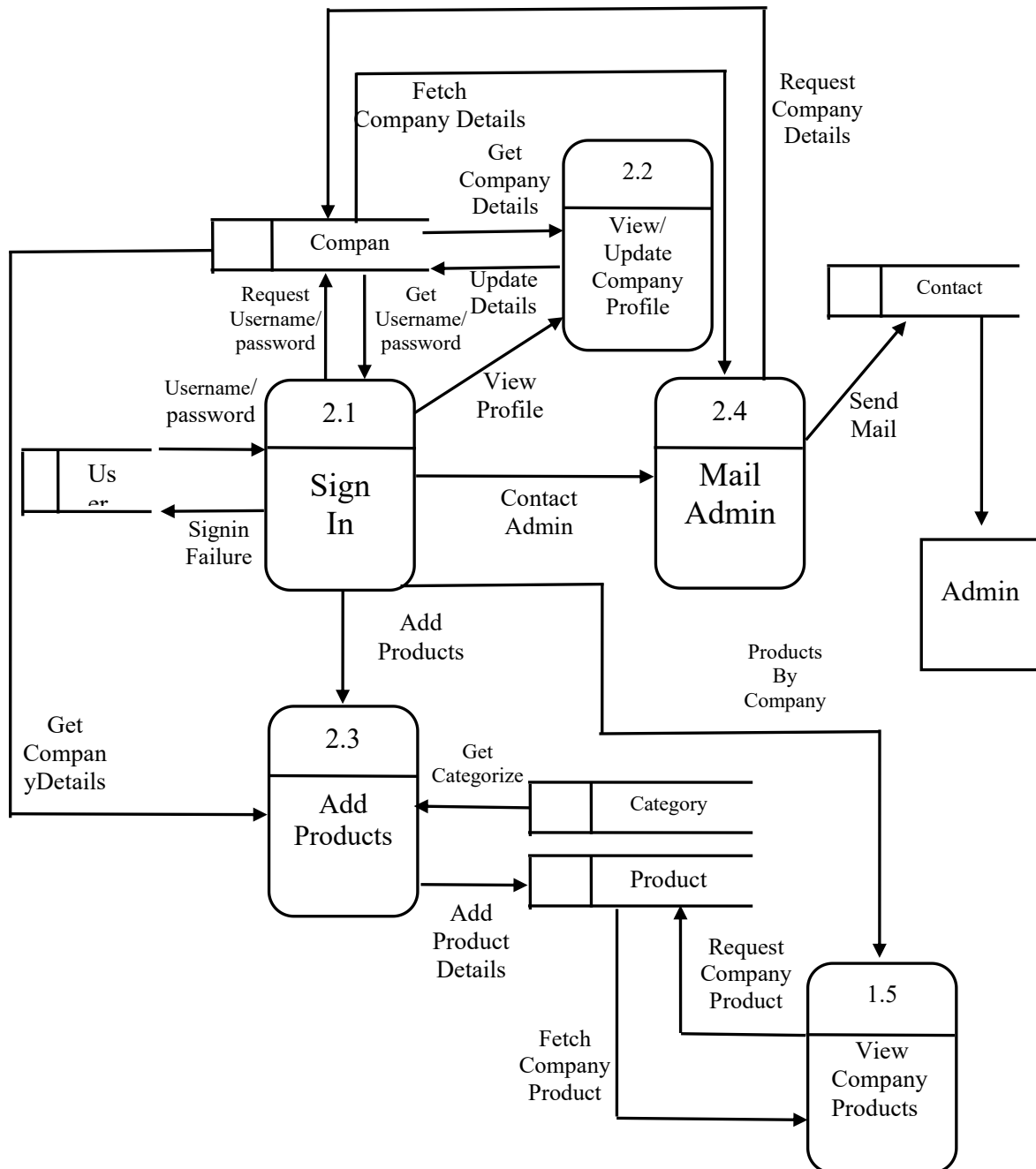
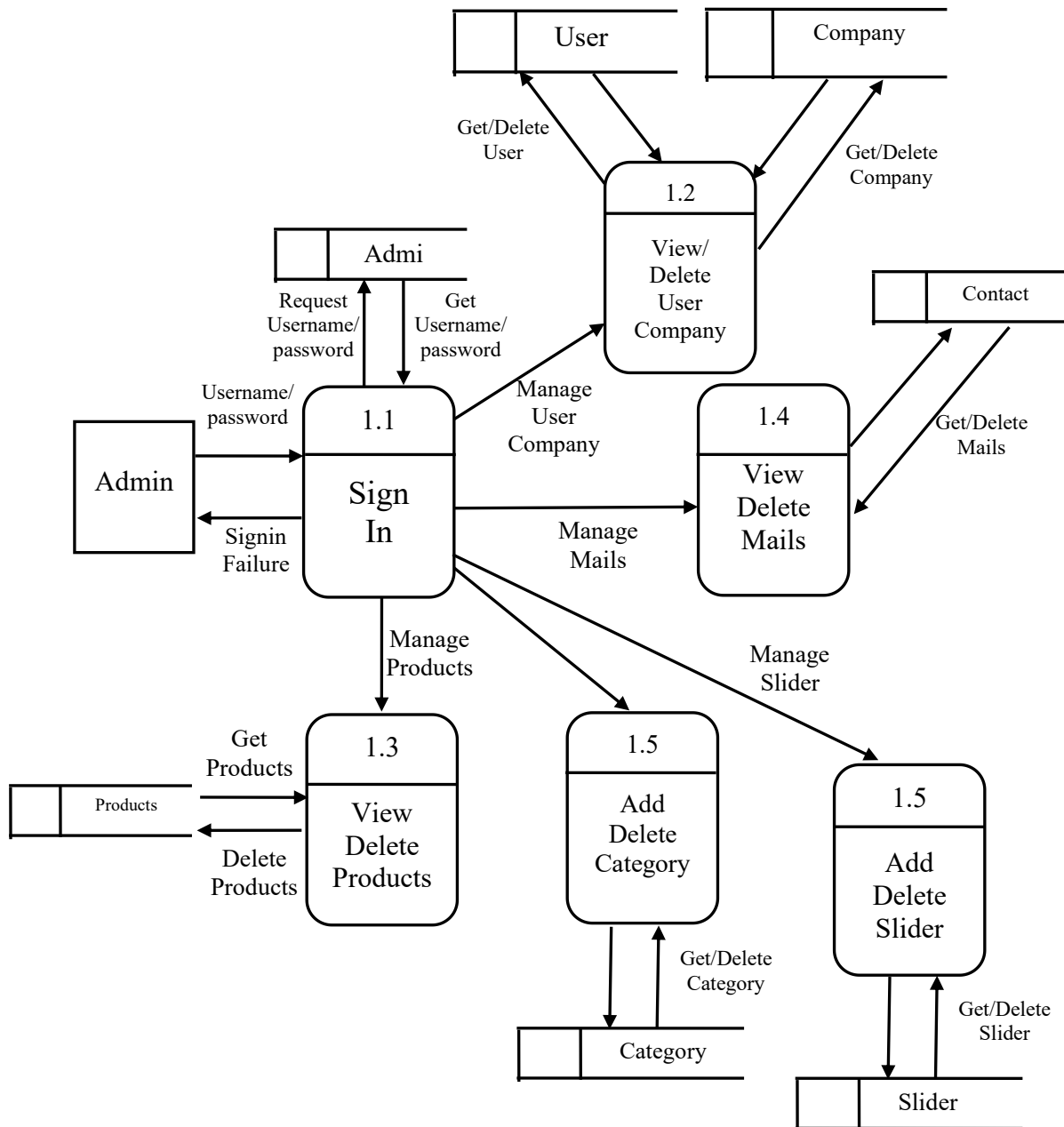☺ Database Design

☺ Table Structure

DATA FLOW DIAGRAM
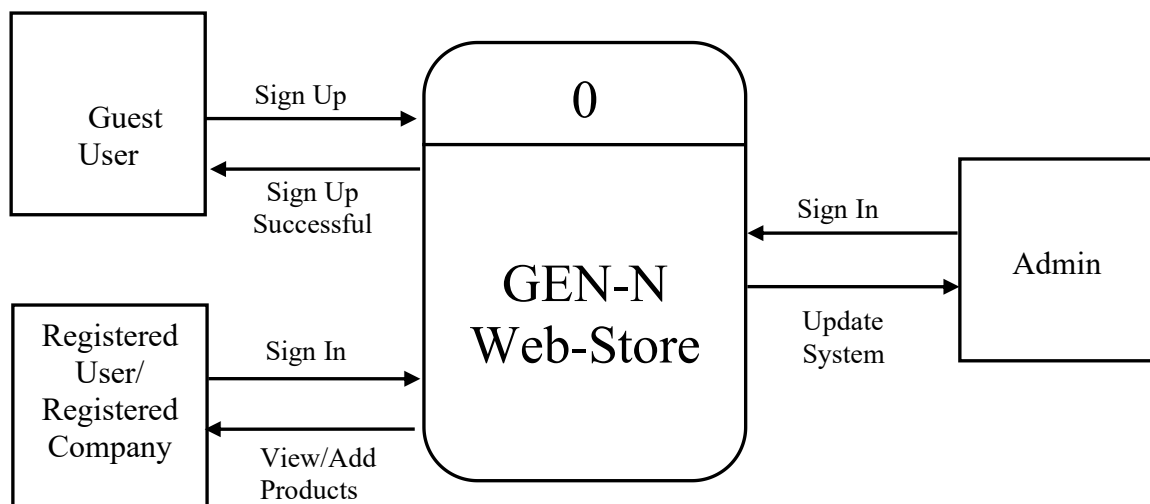
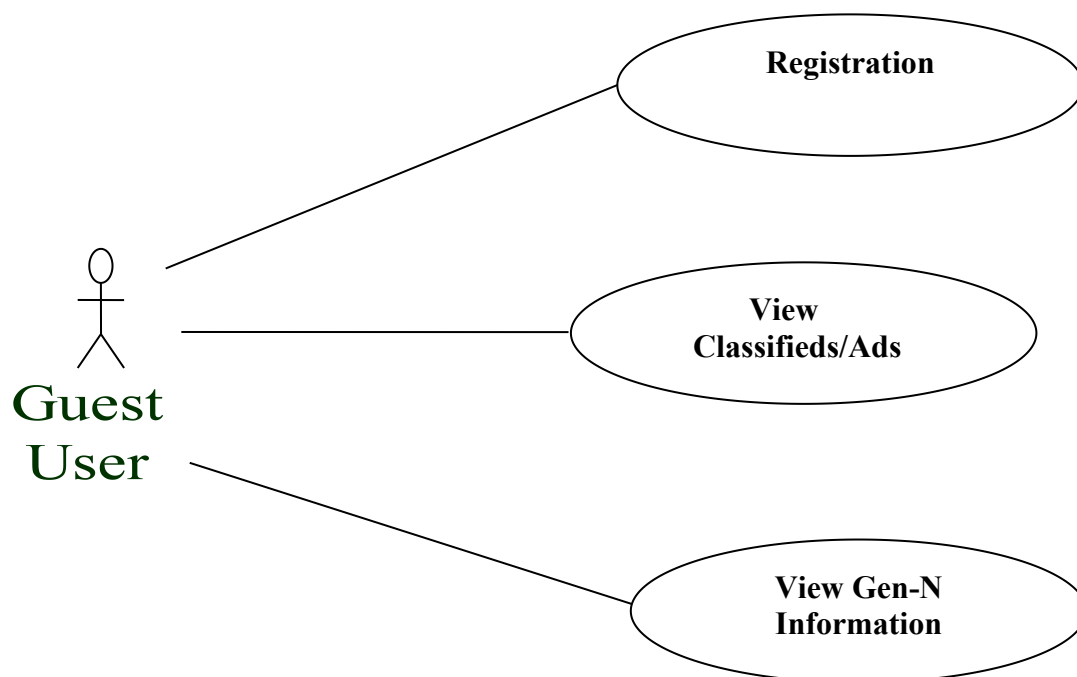**Context Diagram**

Registered User Level 1 Data Flow Diagram

Company Level 1 Data Flow Diagram

Admin Level 1 Data Flow Diagram

Use Case Diagram
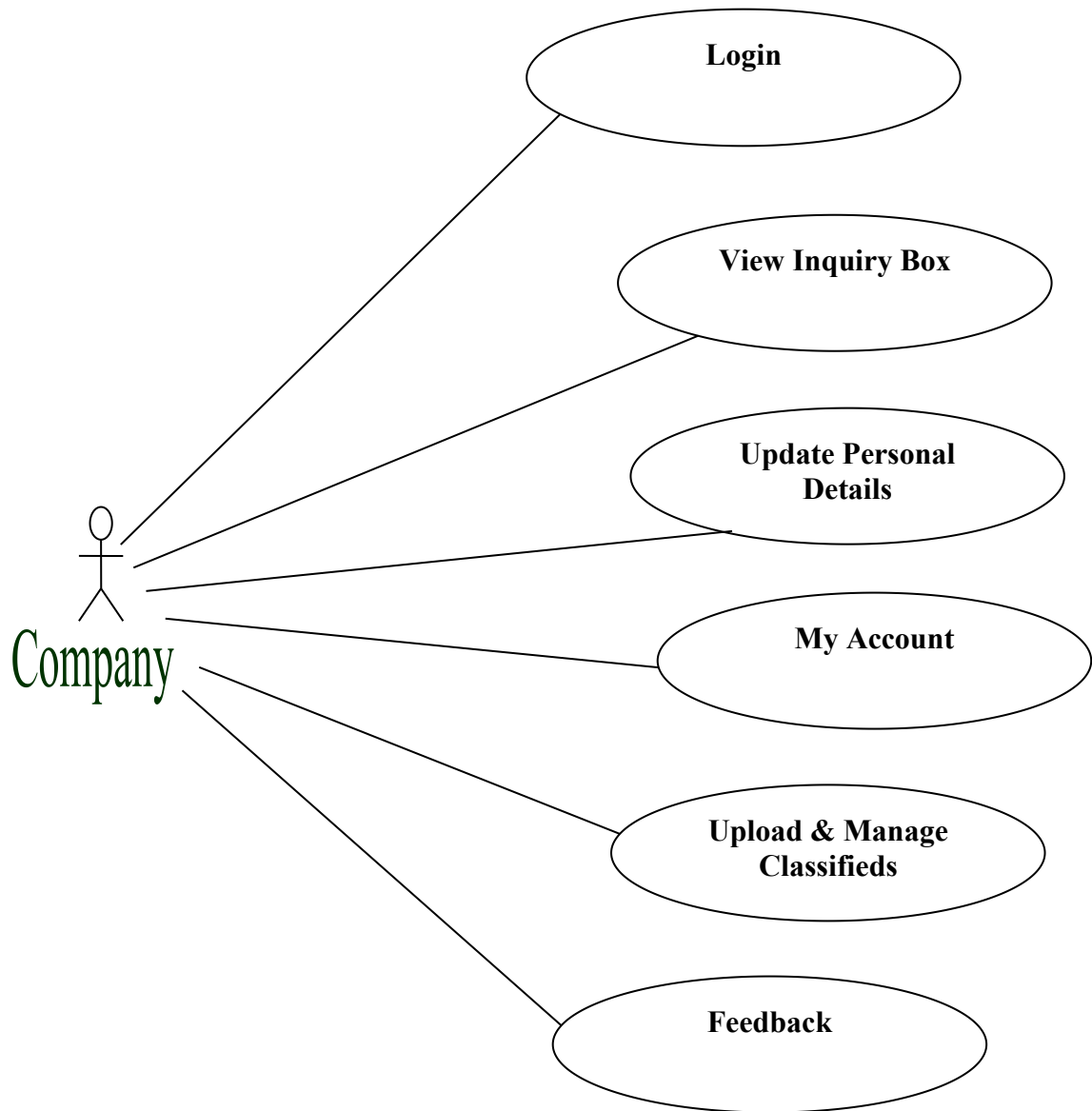
> **Guest User side use-case diagram**

➢ **User side use-case diagram**

Login

View
Classifieds

View
Details

Update Personal
Details

User

Search
Classifieds

Feedback
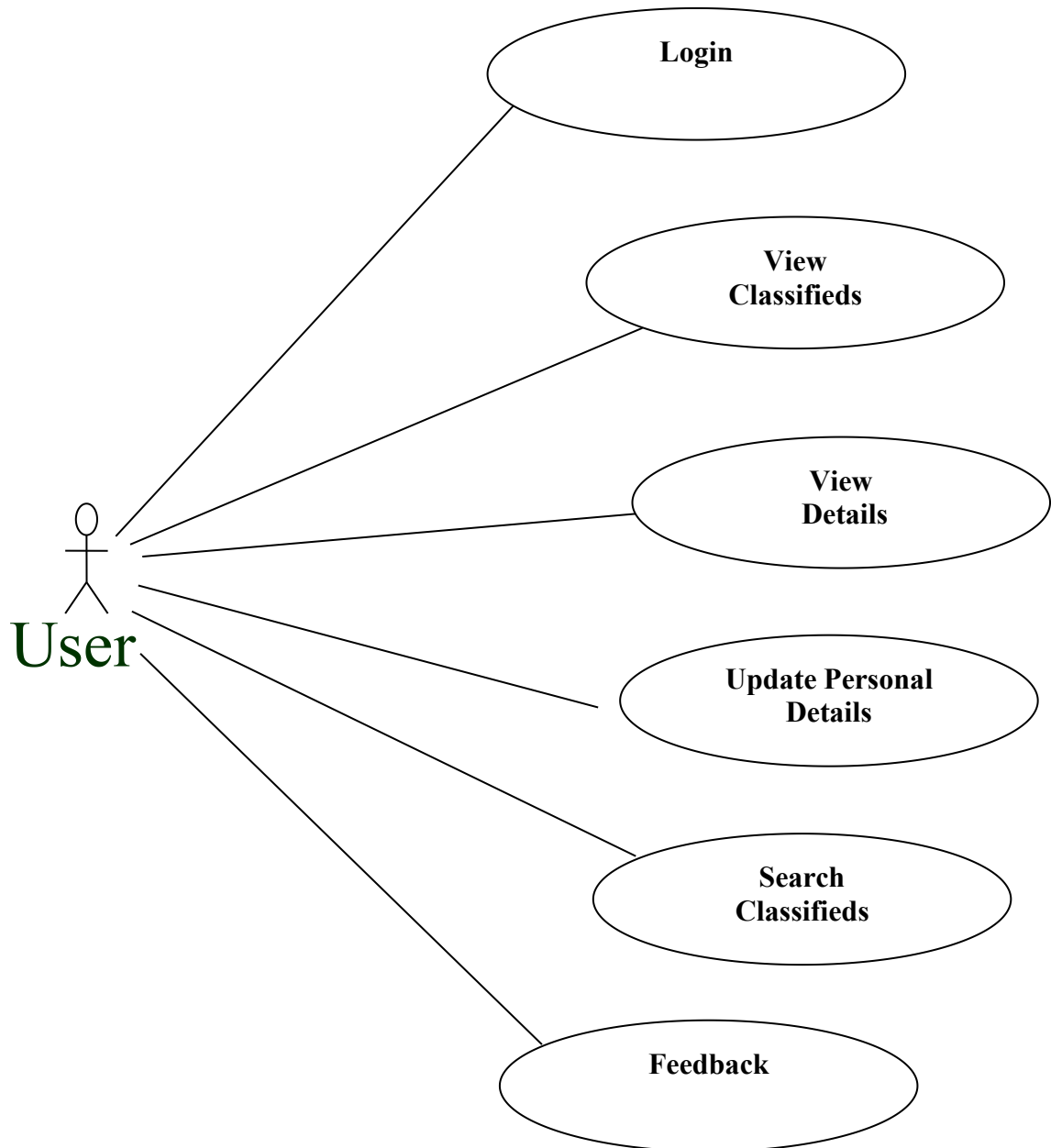
➢ **Advertiser side use-case diagram**

➢ Admin side use-case diagram
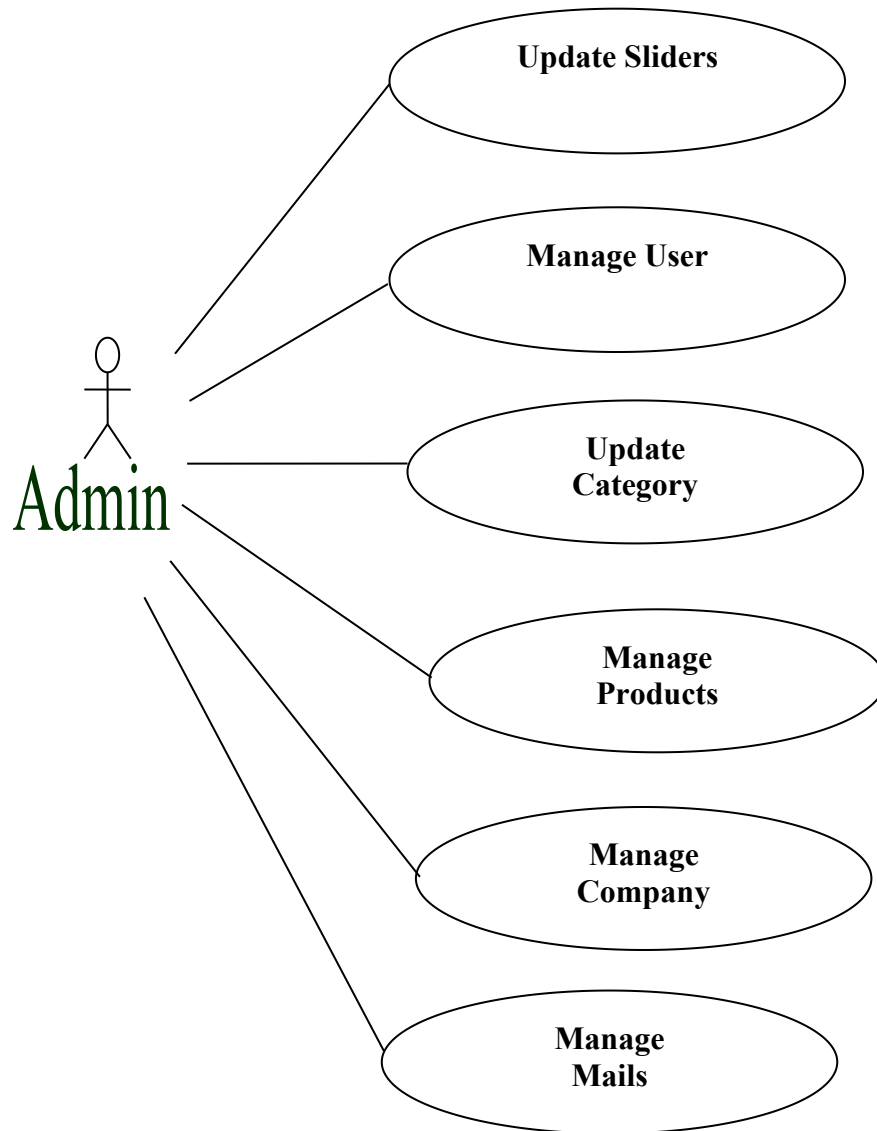
TABLE STRUCTURE

Admin

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	admin_id	int(9)			No	None	AUTO_INCREMENT	Change ● Drop Primary Unique Index Spatial ▼ More
2	admin_name	varchar(40)	latin1_general_ci		No			Change ● Drop Primary Unique Index Spatial ▼ More
3	admin_password	varchar(40)	latin1_general_ci		No			Change ● Drop Primary Unique Index Spatial ▼ More

☐ Check All With selected: ▦ Browse Change ● Drop Primary Unique Index Spatial Fulltext

User

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	u_id	int(9)			No	None	AUTO_INCREMENT	Change ● Drop Primary Unique Index Spatial Fulltext Distinct values
2	u_name	varchar(45)	latin1_general_ci		No			Change ● Drop Primary Unique Index Spatial Fulltext Distinct values
3	u_username	varchar(45)	latin1_general_ci		No			Change ● Drop Primary Unique Index Spatial Fulltext Distinct values
4	u_password	varchar(30)	latin1_general_ci		No			Change ● Drop Primary Unique Index Spatial Fulltext Distinct values
5	u_email	varchar(50)	latin1_general_ci		No			Change ● Drop Primary Unique Index Spatial Fulltext Distinct values
6	u_mno	bigint(10)			No	0		Change ● Drop Primary Unique Index Spatial Fulltext Distinct values
7	u_city	varchar(30)	latin1_general_ci		No			Change ● Drop Primary Unique Index Spatial Fulltext Distinct values
8	u_address	varchar(200)	latin1_general_ci		No			Change ● Drop Primary Unique Index Spatial Fulltext Distinct values
9	u_pcode	int(6)			No	0		Change ● Drop Primary Unique Index Spatial Fulltext Distinct values

☐ Check All With selected: ▦ Browse Change ● Drop Primary Unique Index Spatial Fulltext

Company

	#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
☐	1	c_id 🔑	int(9)			No	None	AUTO_INCREMENT	🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	2	org_name	varchar(45)	latin1_general_ci		No			🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	3	owner_name	varchar(45)	latin1_general_ci		No			🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	4	c_username	varchar(45)	latin1_general_ci		No			🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	5	c_password	varchar(30)	latin1_general_ci		No			🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	6	c_email	varchar(50)	latin1_general_ci		No			🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	7	c_mno	bigint(12)			Yes	0		🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	8	c_city	varchar(30)	latin1_general_ci		No			🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	9	c_address	varchar(200)	latin1_general_ci		No			🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	10	c_pcode	int(6)			No	0		🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	11	c_icon	varchar(30)	latin1_general_ci		No			🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More

↰ ☐ Check All   With selected: 📄 Browse 🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial 📄 Fulltext

Product

	#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
☐	1	p_id 🔑	int(9)			No	None	AUTO_INCREMENT	🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	2	c_id	int(9)			No	0		🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	3	p_name	varchar(100)	latin1_general_ci		No			🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	4	p_price	int(9)			No	0		🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	5	p_desc	longtext	latin1_general_ci		No	None		🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	6	p_image1	varchar(200)	latin1_general_ci		No			🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	7	p_image2	varchar(200)	latin1_general_ci		No			🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	8	p_image3	varchar(200)	latin1_general_ci		No			🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More
☐	9	cat_id	int(2)			No	0		🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial ▾ More

↰ ☐ Check All   With selected: 📄 Browse 🖉 Change ⊖ Drop 🔑 Primary ⊎ Unique 📄 Index 📄 Spatial 📄 Fulltext

Category

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	cat_id	int(2)			No	None	AUTO_INCREMENT	Change Drop Primary Unique Index Spatial Fulltext More
2	cat_name	varchar(30)	latin1_general_ci		No			Change Drop Primary Unique Index Spatial Fulltext More

Check All   With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Print view   Relation view   Propose table structure   Track table   Move columns   Improve table structure

Slider

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	slider_id	int(3)			No	None	AUTO_INCREMENT	Change Drop Primary Unique Index Spatial More
2	cat_id	int(9)			No	0		Change Drop Primary Unique Index Spatial More
3	slider_image	varchar(200)	latin1_general_ci		No			Change Drop Primary Unique Index Spatial More

Contact

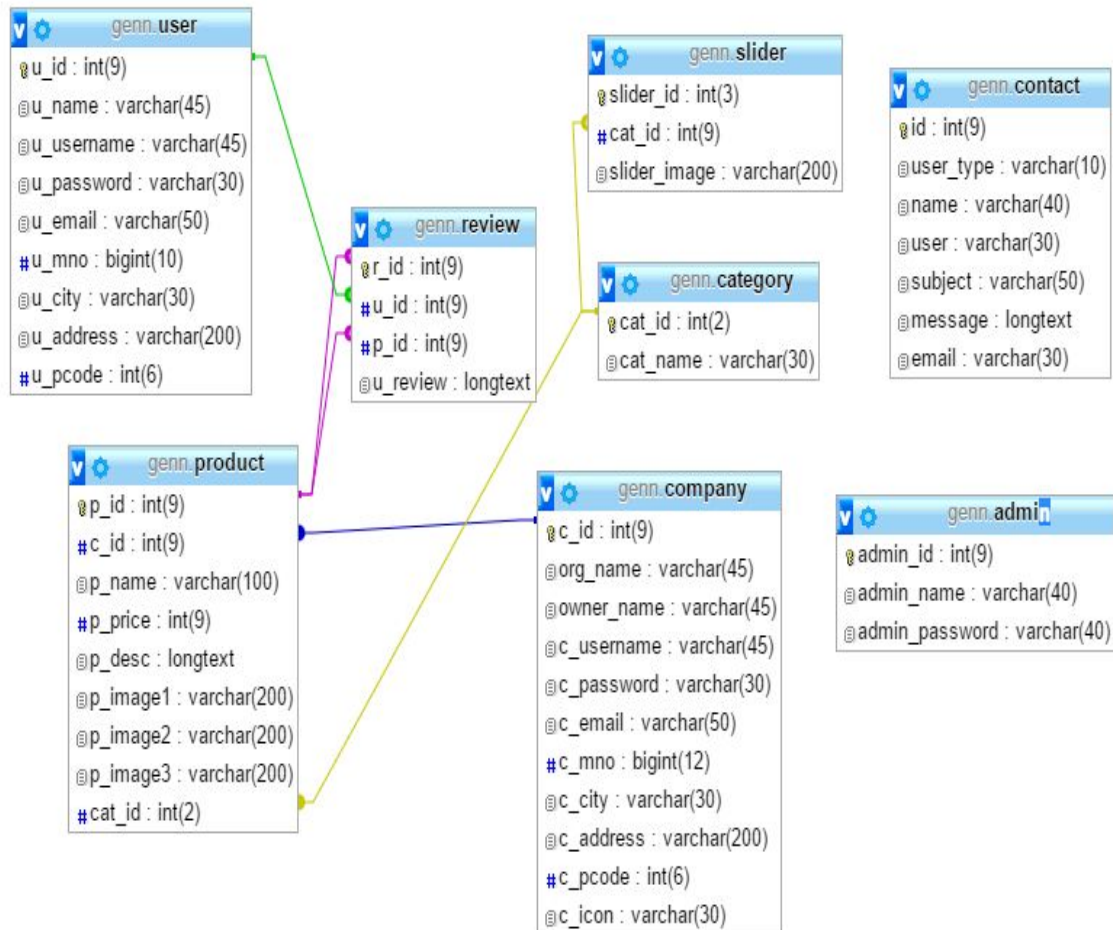| #	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	id	int(9)			No	None	AUTO_INCREMENT	Change Drop Primary Unique Index Spatial Fulltext Distinct values
2	user_type	varchar(10)	latin1_general_ci		No			Change Drop Primary Unique Index Spatial Fulltext Distinct values
3	name	varchar(40)	latin1_general_ci		No			Change Drop Primary Unique Index Spatial Fulltext Distinct values
4	user	varchar(30)	latin1_general_ci		No			Change Drop Primary Unique Index Spatial Fulltext Distinct values
5	subject	varchar(50)	latin1_general_ci		No			Change Drop Primary Unique Index Spatial Fulltext Distinct values
6	message	longtext	latin1_general_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
7	email	varchar(30)	latin1_general_ci		No			Change Drop Primary Unique Index Spatial Fulltext Distinct values

Check All   With selected: Browse Change Drop Primary Unique Index Spatial Fulltext

Review

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	r_id 🔑	int(9)			No	None	AUTO_INCREMENT	🖉 Change ⊝ Drop 🔑 Primary 🆄 Unique 🖽 Index 🆂 Spatial 🖽 Fulltext ▾ More
2	u_id	int(9)			No	None		🖉 Change ⊝ Drop 🔑 Primary 🆄 Unique 🖽 Index 🆂 Spatial 🖽 Fulltext ▾ More
3	p_id	int(9)			No	None		🖉 Change ⊝ Drop 🔑 Primary 🆄 Unique 🖽 Index 🆂 Spatial 🖽 Fulltext ▾ More
4	u_review	longtext	latin1_swedish_ci		No	None		🖉 Change ⊝ Drop 🔑 Primary 🆄 Unique 🖽 Index 🆂 Spatial 🖽 Fulltext ▾ More

DATABASE DESIGN

genn.user
- ᴘ u_id : int(9)
- ᴜ u_name : varchar(45)
- ᴜ u_username : varchar(45)
- ᴜ u_password : varchar(30)
- ᴜ u_email : varchar(50)
- # u_mno : bigint(10)
- ᴜ u_city : varchar(30)
- ᴜ u_address : varchar(200)
- # u_pcode : int(6)

genn.slider
- ᴘ slider_id : int(3)
- # cat_id : int(9)
- ᴜ slider_image : varchar(200)

genn.contact
- ᴘ id : int(9)
- ᴜ user_type : varchar(10)
- ᴜ name : varchar(40)
- ᴜ user : varchar(30)
- ᴜ subject : varchar(50)
- ᴜ message : longtext
- ᴜ email : varchar(30)

genn.review
- ᴘ r_id : int(9)
- # u_id : int(9)
- # p_id : int(9)
- ᴜ u_review : longtext

genn.category
- ᴘ cat_id : int(2)
- ᴜ cat_name : varchar(30)

genn.product
- ᴘ p_id : int(9)
- # c_id : int(9)
- ᴜ p_name : varchar(100)
- # p_price : int(9)
- ᴜ p_desc : longtext
- ᴜ p_image1 : varchar(200)
- ᴜ p_image2 : varchar(200)
- ᴜ p_image3 : varchar(200)
- # cat_id : int(2)

genn.company
- ᴘ c_id : int(9)
- ᴜ org_name : varchar(45)
- ᴜ owner_name : varchar(45)
- ᴜ c_username : varchar(45)
- ᴜ c_password : varchar(30)
- ᴜ c_email : varchar(50)
- # c_mno : bigint(12)
- ᴜ c_city : varchar(30)
- ᴜ c_address : varchar(200)
- # c_pcode : int(6)
- ᴜ c_icon : varchar(30)

genn.admin
- ᴘ admin_id : int(9)
- ᴜ admin_name : varchar(40)
- ᴜ admin_password : varchar(40)

TESTING

☺ Unit Testing

☺ Integration Testing

☺ White Box Testing

☺ System Testing

☺ Environment Testing

TESTING

Once source code has been generated, software must be tested to uncover as many errors as possible before delivery to the client. Which is a very important to work the system successfully and achieve high quality of software. Testing includes designing a series of test cases that have a high likelihood of finding errors by applying software-testing techniques.

Software testing is a critical component of the software engineering process. It is an element of software quality assurance (SQA).

System testing makes logical assumptions that if all the parts of the system are correct, the goal will be successfully achieved. The system should be checked logically. Validations and cross checks should be there. Avoid duplication of records that cause redundancy of data.

This system is tested by the following steps and prepared for the final implementation.

➢ Reviews

Using review at different stages we ensured that

- Errors in function, logic or implementation are uncovered.
- Software meets its requirements.
- To achieve software that is developed in a uniform manner.

<u>UNIT TESTING</u>

In the web based application smallest testable unit is Web page itself. So the web pages of the site are to be unit tested. Each web page contains content, navigational links, and processing elements (scripts, event handlers, etc.) .The testing will be driven by the content processing, and links contained in the site.

Using black box testing technique web pages are tested unit by unit for whether they receive Input properly and give output in proper format or redirect to specific web page. It is also tested that the error message are properly displayed and give user-friendly information.

➢ **Guest Site**

<u>Working Task</u>	<u>Result</u>
1. Home Page	
▪ Working of login panel	Fine
▪ Classifieds Display	Fine
▪ Navigation Link	Fine
2. Register Module	
▪ Fill the user registration detail	Fine
- Field validation	Fine
▪ Fill the advertiser registration detail	Fine
- Field validation	Fine
3. Classifieds Display Module	
▪ Display different categories dynamically	Fine
▪ Display classifieds with detail	Fine
4. Search Module	
▪ Verify searching criteria	Fine
▪ Display search result	Fine
▪ Display descriptive information	Fine

➢ **User Site**

Working Task	Result
1. Home Page	
▪ Classifieds Display	Fine
▪ Navigation Link	Fine
2. Classifieds Display Module	
▪ Display different categories dynamically	Fine
▪ Display classifieds with detail	Fine
▪ Send query for particular classified	Fine
3. Search Module	
▪ Verify searching criteria	Fine
▪ Display search result	Fine
▪ Display descriptive information	Fine
4. View Detail	
▪ View classifieds	
- Display selected classifieds	Fine
- Display detailed information	Fine
- Send query for classified	Fine
▪ View inquiry response	
- Display information according to read status	Fine
- View detail	Fine
- Send query for that response or delete that query detail	Fine
5. Update Detail	
▪ Personal profile	
- Field validation	Fine
▪ Change password	
- Field validation	Fine

➢ **Company Site**

Working Task	Result
1. Upload Classified Module	
▪ Select display format and display detail	Fine
▪ Display classified display preview	Fine
▪ Validate selection of field & display format	Fine
▪ Upload classified contents	
- Field validation	Fine
2. View Detail	
▪ View inquiry box	
- Display information according to read status	Fine
- View detail	Fine
- Send response for that query or delete that response detail	Fine
3. Update Detail	
▪ Personal profile	
- Field validation	Fine
▪ Change password	
- Field validation	Fine
4. My Account Module	
▪ Account Detail	
-Uploaded classified	Fine
-Delete classified	Fine

➢ **Admin Site:**

Working Task	Result
1. Home Page	
▪ Navigation Link	Fine
2. Slider Module	
▪ Verify slider	Fine
▪ Add Slider	Fine
▪ Delete Slider	Fine
3. Category Module	
▪ Add Category	Fine
▪ Delete Category	Fine
- Validate field	Fine
6. View Detail	
▪ Register user information	Fine
▪ Register company information	Fine
▪ Feedback information	Fine
▪ Advertiser information	Fine
- Personal detail	Fine
- Classified detail	Fine

<u>WHITE BOX TESTING</u>

White box testing is testing case design method that uses the control structure of the procedural design test cases. Using white box testing methods, one can devices test cases that –

- Grantees that all independent paths within a module have been exercised at least once.
- Exercise all logical decision on their true and false sides.
- Exercise all loops at their boundaries and within their operation bounds.
- Exercises internal data structure to ensure their validity.

<u>INTEGRATION TESTING</u>

We have used top down testing strategy for integrating web pages. The separately generated web pages will be integrated and for checking that they work properly after their integration, tests will be conducted to ensure their proper functionality.

Using dummy web pages it is checked that whether output of page will redirect to specific web page

After that regression testing strategy help us to ensure that changes do not introduce unintended behavior or additional errors.

SYSTEM TESTING

The uncovered weaknesses that were not found in earlier tests are removed in system testing. The system is corrected such away that it does not affect the forced system failure. This testing is done with low volume of transaction based on live data. Finally the total system is also tested to ensure that no data are lost.

Following testing on the completed system will be performed in order to find the errors before they become defects and correct them.

- In order to eliminate navigational errors the site will be reviewed and tested. The use cases scenarios that we have developed in the same document while requirement analysis activity will be considered to uncover errors in the navigational links.

- Web pages of the site will be unit tested. For the web pages sometimes the smallest testable unit is the single web page itself. Each web page contains content, navigational links, and processing elements (scripts, event handlers, etc.) .The testing will be driven by the content processing, and links contained in the site.

- The separately generated web pages will be integrated and for checking that they work properly after their integration, tests will be conducted to ensure their proper functionality.

- The functionality of the site will be checked with the different versions of the Internet Explorer, Netscape Navigator, etc. and wherever necessary it will be attempted to change the implementation of the not working for some browsers fir some case and of course without losing the purpose of the functionality, if possible.

<u>Environment Testing</u>

➤ Following OS are considered for testing environment operability of software.

- Windows XP
- Windows 7/8/10

➤ Following Browsers are checked for operability of software.

- Internet Explorer 5.5 or later
- Mozilla Firefox
- Google Chrome

SCREEN SHOTS

➢ **Home**
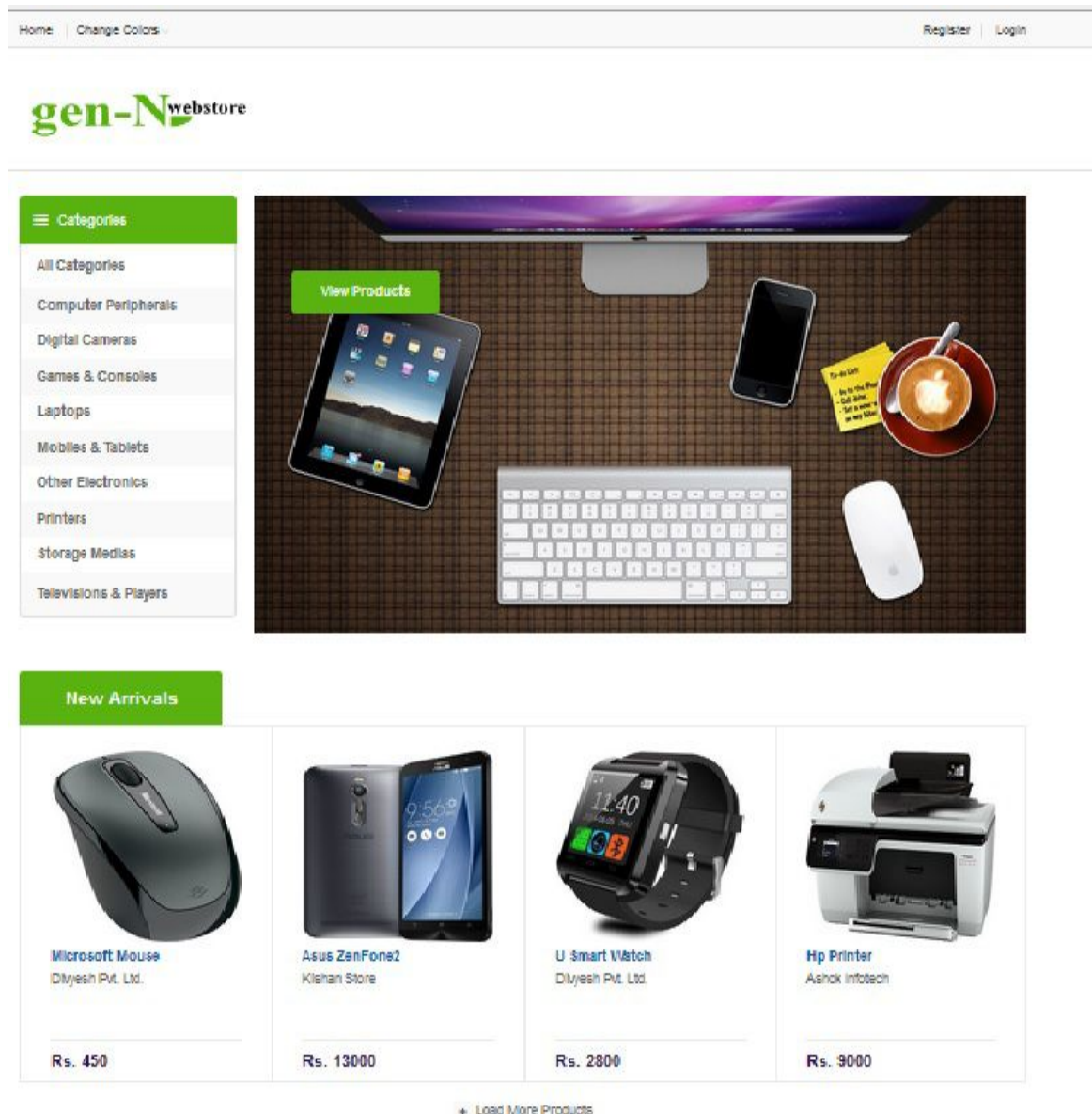
➢ <u>Login</u>

➢ <u>Registration</u>

Create New Account

Create your own gen-N account

Register As : ☐ Company ☑ User

Name

*minimum 6 characters

User Name

divyesh123

*minimum 6 characters

Password

••••••••

*minimum 8 characters

Confirm Password

Email

Contact No

City

Select City ⌄

Address

Pincode

Sign Up

Sign Up Today And You'll Be Able To :

➤ All Products

➢ **Profile**

Home	Change Colors	Contact	My Profile	Sign Out

📞 (+91)-94094 94476 , (+91)-9638015504

gen-N webstore

≡ **Categories**

All Categories

Computer Peripherals

Digital Cameras

Games & Consoles

Laptops

Mobiles & Tablets

Other Electronics

Printers

Storage Medias

Televisions & Players

Profile

Name	Divyesh Chauhan
Username	divyesh123
Email	dbc.divyesh@gmail.com
Contact No.	9638015504
City	Diu
Address	Near Dena Bank, Opp. Pranami Temple, Ghodia Street Diu.
Pincode	362520

Click Here to Update Your Details

Change Password

➢ **Contact**
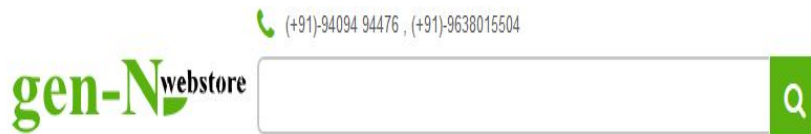
➢ **Change Password**

➢ **Reset Password**

Company Products

Home | Change Colors ⌄ | Products | Add Products | Contact   Sign Out

gen-N webstore

Your Products

Product	Price	Category	Delete
Asus X52	20000	Laptops	Delete
U Smart Watch	2800	Other Electronics	Delete
Microsoft Mouse	450	Computer Peripherals	Delete

gen-N webstore

Feel Free To Contact Us Via Phone,email Or Just Send Us Mail.

Gen-N Pvt. Ltd.

Silver Complex, Floor No 9,

Kalawad Road.

Rajkot - 360002

➢ <u>Adding Product</u>

> ## Admin's User Management

➢ <u>**Admin's Company Management**</u>

➢ **Admin's Product Management**

Home | Users | Company | Products | Category | Slider | Mails   Sign Out

gen-N webstore

Products

Product	Price	Category	Organization	Owner	Delete
Nikon-d3200-dslr	24900	Digital Cameras	Himanshu & Company	Himanshu Bhavsar	Delete
Sony ps3	8999	Games & Consoles	Unitech Computers	Sumit Parekh	Delete
Asus X52	20000	Laptops	Divyesh Pvt. Ltd.	Divyesh Chauhan	Delete
Seagate Hardrive	3900	Storage Medias	Ashok Infotech	Ashok Chavda	Delete
Hp Printer	9000	Printers	Ashok Infotech	Ashok Chavda	Delete
U Smart Watch	2800	Other Electronics	Divyesh Pvt. Ltd.	Divyesh Chauhan	Delete
Asus ZenFone2	13000	Mobiles & Tablets	Kishan Store	Kishan Ranpara	Delete
Microsoft Mouse	450	Computer Peripherals	Divyesh Pvt. Ltd.	Divyesh Chauhan	Delete

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Gen-N Pvt. Ltd.

Silver Complex, Floor No 9,

Kalawad Road.

Rajkot - 360002

Get In Touch

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➢ Admin's Category Management

Home | Users | Company | Products | Category | Slider | Mails   Sign Out

gen-N webstore

Categories

Add Category : [   ] [Add]

Category Name	Delete Category
Laptops	Delete
Televisions & Players	Delete
Digital Cameras	Delete
Computer Peripherals	Delete
Mobiles & Tablets	Delete
Storage Medias	Delete
Printers	Delete
Games & Consoles	Delete
Other Electronics	Delete

➢ **Admin's Slider Management**

➤ **Admin's Mail Management**

SOURCE CODE

Index

```php
<?php
session_start();
include_once("connect.php");
$rs=mysql_query("select * from slider");

?>
<!DOCTYPE html>
<html lang="en">

        <body>
<?php
if(isset($_SESSION['aid']))
{
        echo "<script>window.location='admin/adminhome.php';</script>";
}
if(isset($_SESSION['uid']))
{
                include_once("include/userh.php");
}
else
{
                include_once("include/visitorh.php");
}
?>

        <div class="wrapper">
        <div id="top-banner-and-menu">
        <div class="container">

                <?php
        include_once("include/categories.php");
        ?>

                <div class="col-xs-12 col-sm-8 col-md-9 homebanner-holder">
```

```
<div id="hero">
        <div id="owl-main" class="owl-carousel owl-inner-nav owl-ui-sm">
        <?phpwhile($v=mysql_fetch_array($rs))
                {
            echo "<div class='item' style=' background-image:
url(assets/images/sliders/".$v['slider_image'].")';>
                    <div class='container-fluid'>
                        <div class='caption vertical-center text-left'>
                            <div class=button-holder fadeInDown-3>
                                <a
href='categoryview.php?ci=".$v['cat_id']."' class='big le-button'>View
Products</a>
                                </div>
                            </div>
                        </div>
                    </div>";
                }
        ?>
        </div><!-- /.owl-carousel -->
</div>
        </div><!-- /.homebanner-holder -->


        </div><!-- /.container -->
</div><!-- /#      top-banner-and-menu -->
</div><!-- /.wrapper -->
</div><!-- /.wrapper -->

<?phpinclude_once("include/newarrival.php"); ?>
<?php include_once("include/footer.php") ?>
```

Sign In

```
<?php
session_start();
include_once("connect.php");
if(isset($_SESSION['uid']))
{
        echo "<script>window.location='index.php';</script>";
}
```

```php
?>

<!DOCTYPE html>
<html lang="en">

<body>

        <div class="wrapper">

        <?php

include_once("include/visitorh.php");

if(isset($_POST['login']))
{
        $u=$_POST['txtuname'];
        $p=$_POST['txtpwd'];
        $rs=mysql_query("select * from user where u_username='$u' and
u_password='$p'");
        $v=mysql_fetch_array($rs);
        $rsc=mysql_query("select * from company where c_username='$u' and
c_password='$p'");
        $va=mysql_fetch_array($rsc);
        $rsa=mysql_query("select * from admin where admin_name='$u' and
admin_password='$p'");
        $vaa=mysql_fetch_array($rsa);

        if(mysql_num_rows($rs)>0)
        {
                $_SESSION['uid']=$v['u_id'];
                $_SESSION['uname']=$v['u_name'];
                if(isset($_GET['ci']))
                {
                        echo
"<script>window.location='categoryview.php?ci=".$_GET['ci']."'</script>";
                }
                else if(isset($_GET['pid']))
                {
                        echo
"<script>window.location='productdetails.php?pid=".$_GET['pid']."'</script>";
                }
                else if(isset($_GET['p']))
                {
```

```php
                        echo
"<script>window.location='products.php'</script>";
                                }
                                else
                                {
                                        echo "<script>window.location='index.php'</script>";
                                }
                }
                else if(mysql_num_rows($rsc)>0)
                {
                        $_SESSION['cid']=$va['c_id'];
                        $_SESSION['cname']=$va['org_name'];
                        $_SESSION['oname']=$va['owner_name'];
                        echo "<script>window.location='companydetails.php'</script>";
                }
                else if(mysql_num_rows($rsa)>0)
                {
                        $_SESSION['aid']=$vaa['admin_id'];
                        $_SESSION['aname']=$vaa['admin_name'];
                        echo "<script>window.location='admin/adminhome.php';</script>";
                }
                else
                {
                        echo "<script>window.location='signin.php?err=1';</script>";
                }

}
?>
<main id="authentication" class="inner-bottom-md">
        <div class="container">
                <div class="row">

                        <div class="col-md-6">
                                <section class="section sign-in inner-right-xs">
                                        <h2 class="bordered">Sign In</h2>
                                        <p>Hello, Sign In To Your Account!</p>


                                <form role="form" class="login-form cf-style-
1" method="post" name="login">
                                        <div class="field-row">
                <label>Username</label>
```

```
<input type="text" class="le-input" name="txtuname">
</div><!-- /.field-row -->

<div class="field-row">
  <label>Password</label>
  <input type="password" class="le-input" name="txtpwd">
</div><!-- /.field-row -->

<div class="field-row clearfix">
    <span class="pull-right">
        <a href="signup.php" class="content-color bold">New User</a>
    </span>
</div>
<div class="field-row clearfix">
    <span class="pull-right">
        <a href="forgotpassword.php" class="content-color bold">Forgotten Password ?</a>
    </span>
</div>

<div class="buttons-holder">
    <button type="submit" class="le-button huge" name="login">Sign In</button><br><br>
        <?php
            if(isset($_GET['err']))
        {
            echo "<table style='color:#FF0000'><tr><td>Sorry, You have entered incorrect username/password !</td></tr></table>";
        }
?>
</div><!-- /.buttons-holder -->
        </form><!-- /.cf-style-1 -->

        </section><!-- /.sign-in -->
    </div>

    </div><!-- /.row -->
  </div><!-- /.container -->
</main><!-- /.authentication -->
<?php include_once('include/footer.php'); ?>
    <script type="text/javascript" src="assets/js/valid.js"></script>
```

```
        <script src="switchstylesheet/switchstylesheet.js"></script>

        </body>
</html>
```

Registration

```php
<?php
        session_start();
        if(isset($_SESSION['uid']))
        {
                echo "<script>window.location='index.php';</script>";
        }
        include_once("connect.php");
        if(isset($_POST['reguser']))
        {

                $u=$_POST['uname'];
                $rs=mysql_query("select * from user where u_username='$u'");
                $rsc=mysql_query("select * from company where
c_username='$u'");
                $rsa=mysql_query("select * from admin where admin_name='$u'");
                        if(mysql_num_rows($rs)>0 || mysql_num_rows($rsc)>0 ||
mysql_num_rows($rsa)>0)
                        {
                                echo "<script>
                                alert('Username already exist!\\nPlease Change it.');
                                document.userform.uname.focus();
                                </script>";
                        }
                        else
                        {

                        $q="insert into
user(u_name,u_username,u_password,u_email,u_mno,u_city,u_address,u_pcod
e)
values('".$_POST['name']."','".$_POST['uname']."','".$_POST['password']."','".$
_POST['email']."','".$_POST['contact']."','".$_POST['city']."','".$_POST['address']
```

```
.'","'.$_POST['pincode'].")";
                        if(mysql_query($q))
                        {
                                echo "<script>
        alert('Congratulations !, Your account is created
Successfully.\\nClick ok to login');
        window.location='signin.php';
        </script>";
                        }
                }
        }
        if(isset($_POST['regcompany']))
        {
                $u=$_POST['cuname'];
                $rs=mysql_query("select * from user where u_username='$u'");
                $rsc=mysql_query("select * from company where
c_username='$u'");
                        if(mysql_num_rows($rs)>0 || mysql_num_rows($rsc)>0)
                        {
                                echo "<script>
                                alert('Username already exist...Please Change it.');
                                document.userform.uname.focus();
                                </script>";
                        }
                        else
                        {

                        $q="insert into
company(org_name,owner_name,c_username,c_password,c_email,c_mno,c_cit
y,c_address,c_pcode,c_icon)
values('".$_POST['cname']."','".$_POST['oname']."','".$_POST['cuname']."','".$
_POST['cpassword']."','".$_POST['cemail']."','".$_POST['ccontact']."','".$_POST
['ccity']."','".$_POST['caddress']."','".$_POST['cpincode']."','".$_FILES['clogo']['
name']."')";

                        if(mysql_query($q))
                        {
                                echo "<script>
        alert('Congratulations !, Your account is created
Successfully.\\nClick ok to login');
        window.location='signin.php';
        </script>";
                        }
```

```
                    }
        }

?>

<!DOCTYPE html>
<html lang="en">
<head>

</head>
<body>

        <div class="wrapper">
        <?php
        include_once("include/visitorh.php");
        ?>
<main id="authentication" class="inner-bottom-md">
        <div class="container">
                <div class="row">

                        <!-- /.col -->

                        <div class="col-md-6" >
                                <section class="section sign-in inner-right-xs">
                                <h2 class="bordered">Create New Account</h2>
                                        <p>Create your own gen-N account</p>


                        <label>Register As : </label>
                                                      
                        <input type="radio" name="regas" id="co"  class="le-radio"
value="commpany" onClick="checkType('block','none');">Company  
 
                        <input type="radio" checked="checked" name="regas" id="us"
class="le-radio" value="user" onClick="checkType('none','block');">User
                                        <form role="form" class="register-form cf-
style-1" name="compform" id="comform" style="display:none" method="post"
enctype="multipart/form-data" onSubmit="return chkCompForm();">
                        <!-- /.field-row -->
                                        <div class="field-row">
                <label>Comapny Name</label>
                <input type="text" class="le-input" name="cname">
                                        <p>*minimum 6 characters</p>
```

```
</div><!-- /.field-row -->
                        <div class="field-row">
    <label>Owner Name</label>
    <input type="text" class="le-input" name="oname">
                            <p>*minimum 6 characters</p>
    </div>
                        <div class="field-row">
    <label>Username</label>
    <input type="text" class="le-input" name="cuname">
                            <p>*minimum 6 characters</p>
    </div>
                        <div class="field-row">
    <label>Password</label>
    <input type="password" class="le-input" name="cpassword">
                            <p>*minimum 8 characters</p>
    </div>
                        <div class="field-row">
    <label>Confirm Password</label>
    <input type="password" class="le-input"
name="ccnpassword">
    </div>
                        <div class="field-row">
    <label>Email</label>
    <input type="text" class="le-input" name="cemail">
    </div>
                        <div class="field-row">
    <label>Contact No.</label>
    <input type="text" class="le-input" maxlength="10"
name="ccontact">
    </div>
                        <div class="field-row">
    <label>City</label>
                            <select name="ccity">
    <option value="default" label="Select City" selected class="le-
select">Select City</option>';

    </select>
    </div>
                        <div class="field-row">
    <label>Address</label>
    <textarea class="le-input" rows="6"
name="caddress"></textarea>
    </div>
```

```
                    <div class="field-row">
        <label>Pincode</label>
        <input type="text" class="le-input" maxlength="6"
name="cpincode">
        </div>
        <div class="buttons-holder">
        <button type="submit" class="le-button huge"
name="regcompany">Sign Up</button>
        </div><!-- /.buttons-holder -->
                    </form>




                    <form role="form"  class="register-form cf-
style-1" name="userform" id="userform" method="post" onSubmit="return
chkUserForm();">
                    <div class="field-row">


    <label>Name</label>
    <input type="text" class="le-input" name="name">
                    <p>*minimum 6 characters</p>
    </div><!-- /.field-row -->
                    <div class="field-row">
    <label>User Name</label>
    <input type="text" class="le-input" name="uname">
                    <p>*minimum 6 characters</p>
    </div>
                    <div class="field-row">
    <label>Password</label>
    <input type="password" class="le-input" name="password">
                    <p>*minimum 8 characters</p>
    </div>
                    <div class="field-row">
    <label>Confirm Password</label>
    <input type="password" class="le-input"
name="cnpassword">
    </div>
                    <div class="field-row">
    <label>Email</label>
    <input type="text" class="le-input" name="email">
    </div>
                    <div class="field-row">
    <label>Contact No</label>
```

```
                    <input type="text" class="le-input" name="contact"
maxlength="10">
            </div>
                            <div class="field-row">
        <label>City</label>
        <select  name="city">
                        <option value="default" label="Select City"
selected class="le-select">Select City</option>';
</select>
            </div>
                            <div class="field-row">
        <label>Address</label>
        <textarea class="le-input" rows="6"
name="address"></textarea>
            </div>
                            <div class="field-row">
        <label>Pincode</label>
        <input type="text" class="le-input" maxlength="6"
name="pincode">
            </div>
            <div class="buttons-holder">
            <button type="submit" class="le-button huge"
name="reguser" >Sign Up</button>
            </div><!-- /.buttons-holder -->
                        </form>
                        <h2 class="semi-bold">Sign up today and
you'll be able to :</h2>

                            <ul class="list-unstyled list-benefits">
                                <li><i class="fa fa-check primary-
color"></i> Post your Adds for free</li>
                                <li><i class="fa fa-check primary-
color"></i> Sell your products easily</li>
                                <li><i class="fa fa-check primary-
color"></i> Keep a record of all your Adds</li>
                                </ul>

                    </section><!-- /.register -->

            </div><!-- /.col -->
        </div><!-- /.row -->
    </div><!-- /.container -->
</main><!-- /.authentication -->
```

```php
<?php
        include_once('include/footer.php');
?>



        <script type="text/javascript" src="assets/js/valid.js"></script>

</body>
</html>
```

Add Products

```php
<?php
    session_start();
    if(!isset($_SESSION['cid']))
    {
            echo "<script>window.location='index.php';</script>";
    }
    include_once("connect.php");
    if(isset($_POST['addproduct']))
    {

            $c=$_SESSION['cid'];
            $ct=$_POST['pcat'];
            $rs=mysql_query("select * from category where cat_name='$ct'");
            $b=mysql_fetch_array($rs);
            $cat=$b['cat_id'];

    if(move_uploaded_file($_FILES['pimg1']['tmp_name'],"assets/images/products/".$_FILES['pimg1']['name']) &&

    move_uploaded_file($_FILES['pimg2']['tmp_name'],"assets/images/products/".$_FILES['pimg2']['name']) &&

    move_uploaded_file($_FILES['pimg3']['tmp_name'],"assets/images/products/".$_FILES['pimg3']['name']))
                            {
                                    $q="insert into
product(c_id,p_name,p_price,p_desc,p_image1,p_image2,p_image3,cat_id)
values($c,'".$_POST['pname']."','".$_POST['pprice']."','".$_POST['pdesc']."','".$_
```

```php
FILES['pimg1']['name']."','".$_FILES['pimg2']['name']."','".$_FILES['pimg3']['name']."',$cat)";
                            if(mysql_query($q))
                            {

                                    echo "<script>
        alert('Congratulations ! \\nYour product was added Successfully.');
        </script>";
                            }
                            }
                            else
                            {
                                    echo "<script>
        alert('Image');
        </script>";
                            }


        }
?>


<!DOCTYPE html>
<html lang="en">

<body>

        <div class="wrapper">
        <?php
        include_once("include/companyh.php");
        ?>
<main id="authentication" class="inner-bottom-md">
        <div class="container">
                <div class="row">

                        <!-- /.col -->

                        <div class="col-md-6" >
                                <section class="section sign-in inner-right-xs">
                                <h2 class="bordered">Add Product</h2>
                                        <p>Post your own gen-N product</p>


                                <form role="form" class="register-form cf-style-1"
name="add" id="comform" method="post" enctype="multipart/form-data"
```

```
onSubmit="return chkProduct();">                    <!-- /.field-row
-->
                                    <div class="field-row">
            <label>Product Name</label>
            <input type="text" class="le-input" name="pname">
            </div><!-- /.field-row -->
                                    <div class="field-row">
            <label>Product Price(Rs.)</label>
            <input type="text" class="le-input" name="pprice"
onKeyPress="validNumber();">
            </div>
                                    <div class="field-row">
               <label>Product Category</label>
                    <select name="pcat">
        <?php
                            $rsc=mysql_query("select *
from category");

    while($v=mysql_fetch_array($rsc))
                                {
                                echo "<option
id=".$v['cat_id']."value=".$v['cat_id'].">".$v['cat_name']."</option>";
                                }
                            ?>
                            </select>
        </div>
                                    <div class="field-row">
        <label>Product Description</label>
        <textarea class="le-input" rows="6"
name="pdesc"></textarea>
            </div>
                                    <div class="field-row">
        <label>Product Image 1</label>
        <input type="file" class="le-input" name="pimg1" >
        </div>
                                    <div class="field-row">
        <label>Product Image 2</label>
        <input type="file" class="le-input" name="pimg2" >
        </div>
                                    <div class="field-row">
        <label>Product Image 3</label>
        <input type="file" class="le-input" name="pimg3" >
        </div>
```

```
                <div class="buttons-holder">
                    <button type="submit" class="le-button huge"
name="addproduct">Add Product</button>
                </div><!-- /.buttons-holder -->
                    </form>
                        <h2 class="semi-bold">Add the product today
and your product will be visible to all our users</h2>
                    </section><!-- /.register -->
                </div><!-- /.col -->
            </div><!-- /.row -->
        </div><!-- /.container -->
        </div>
</main><!-- /.authentication -->
<?php
            include_once('include/footer.php');
?>
        <script type="text/javascript" src="assets/js/valid.js"></script>

        </body>
</html>
```

CONCLUSION

➢ **Drawbacks**

Once the classified is added it can not be modified it can only be deleted.

User can not sort the classified based on the company or price list.

User and companies cannot interact directly.

➢ **Future Plans**

We would like to implement the facility that user and companies can interact directly.

We would also like to implement the facility of instant messaging.

Advanced sorting facility and subcategories can be added to our system

BIBLIOGRAPHY

To develop this project I have taken help of following Books:

- ✓ PHP Bible

- ✓ Beginning PHP5

- ✓ Pure JavaScript

To develop this project I have taken help of following Websites:

- ✓ www.w3schools.com

- ✓ www.google.com