



Kristu Jayanti College

AUTONOMOUS

Bengaluru

Reaccredited 'A' Grade by NAAC | Affiliated to Bengaluru North University

COMPIFY

Project Report submitted in partial fulfilment of the requirements for the award of the degree of

BACHELOR OF COMPUTER APPLICATION (BCA)



Submitted By

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Under the guidance of

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DEPARTMENT OF COMPUTER SCIENCE (UG)

CERTIFICATE OF COMPLETION

This is to certify that the project entitled “**COMPIFY**” has been satisfactorily completed by **MUHAMMED SAHAL SM, 19CS1H3212** in partial fulfilment of the award of the Bachelor of Computer Applications degree requirements prescribed by Kristu Jayanti College (Autonomous) Bengaluru (Affiliated to Bangalore North University) during the academic year 2020 – 2021.

Internal Guide

Head of the Department

Valued by Examiners

1: _____

Centre: Kristu Jayanti College

2: _____

Date:



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DECLARATION

I, **MUHAMMED SAHAL SM, 19CS1H3212** hereby declare that the project work entitled **COMPIFY** is an original project work carried out by me, under the guidance of prof. Dhanamalar.

This project work has not been submitted earlier either to any University / Institution or any other body for the fulfilment of the requirement of a course of study.

Signature

MUHAMMED SAHAL SM

Bengaluru Date:

ACKNOWLEDGEMENT

The success of the project depends upon the efforts invested. It's my duty to acknowledge and thank the individuals who has contributed in the successful completion of the project.

I take this opportunity to express my profound and whole hearted thanks to **Rev.Dr.Fr. AUGUSTINE GEORGE, PRINCIPAL, KRISTU JAYANTI COLLEGE, BENGALURU** for providing ample facilities made to undergo our project successfully.

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1. INTRODUCTION

1.1 PROBLEM DEFINITION

The traditional way of buying items is via offline mode where the customer has to make an effort to search the shop, compare the price and choose the best product from the shop to the customer's house. All of this makes the customer experience worst and the seller in many cases won't be transparent of their product pricing.

Compify has the solution for all the problems created by all traditional shopping of computer components. We provide a transparent way of selling the product where the user can surf the website and find the product which they need to build their own pc.

The Compify application is a project where a user can find the details of various computer components and parts to build his own customized pc. Admin will add all the computer parts with description and details along with the information of the seller. User can check the source of origin of the product.

1.2 SCOPE OF THE PROJECT

COMPIFY has the solution for all the problems created by the traditional shopping of computer components. We provide a transparent way of selling the product where the user/customer can just surf on our website where they can find many products which they are in need of with a reasonable price. With our website the user experience will be very good.

We are solving the problem of the manual way of buying the product and transporting it by making it completely online and providing a home delivery where the customer can sit in one place and just the product in their home in a faster way.

Modules in the software

- **Login Module**

Users have to login using their registered credentials to access the lessons.

- **Registration Module**

Users have to register/create an account with unique UserId and valid email address.

- **Product Features Listing Module**

COMPIFY has the solution for all the problems created by the traditional shopping of computer components. We provide a transparent way of selling the product where the user/customer can just surf on our website where they can find many products which they are in need of with a reasonable price. With our website the user experience will be very good. We are solving the problem of the manual way of buying the product and transporting it by making it completely online and providing a home delivery where the customer can sit in one place and just the product in their home in a faster way.

- **Ordering System Module**

Compify system requires the products to be mentioned available (inventory) or not. If available, intended buyer have the freedom of product ordering through adding the product in the shopping cart. To be more specific, buyers can locate the product or goods by searching the key parameters or locate through product categories and then he or she can add the product to the basket or cart for further processing.

- **Product Shipping**

This module helps the client to enter the product shipping details with address and the system calculates if there are any shipping charges to be added.

- **Payment Gateway Integration Module**

Compify is actively engaged in integrating payment into the e-commerce application development. Payment gateway integration into e-commerce website is a good way of accepting payments for products or services offered by online shopping.

- **Customer Database Management Module**

Our online application enables the user to register themselves with the e-commerce portal. This way the application can store purchase history, can track purchase trends, offers, promotional materials etc. Other than the customer database can be used for making survey to decide on product inventory, product, promotion etc.

- **Product Order Management Module**

Compify application system has a major part called Product Order Management which helps the admin to track product ordered and automate the product dispatch, create, invoice, decide on shipments and confirm the product after dispatch to be tracked by the client with unique id.

- **Coupon Module**

Users can avail discount on the purchase products by entering the coupon code at checkout.

- **Subscription Module**

Subscription packages are available for users as a beneficiary on product purchase.

- **Report Generation Module**

Compify application system has a major part called report of the orders by users.

2. SYSTEM STUDY

2.1 EXISTING SYSTEM

The traditional way of buying items is via offline mode where the customer has to make an effort to search the shop to the customers house. All of this makes the customer experience worst and the seller in the many cases won't be transparent of their product pricing.

Disadvantage of existing system

- The traditional way is followed by the existing system where the customer has to physically visit the store and buy the computer component.
- During this process there are high chances of customer being guided wrong regarding prices, models, efficiency, warranty and such many other factors.
- To add on travel and delivery is also a matter of concern in existing system.

2.2 FEASIBILITY STUDY

A feasibility study is an analysis of how successfully a project can be completed, accounting for factors that affect it such as economic, technological, legal and scheduling factors. Project managers use feasibility studies to determine potential positive and negative outcomes of a project before investing a considerable amount of time and money into it. A feasibility study tests the viability of an idea, a project or even a new business. The goal of a feasibility study is to place emphasis on potential problems that could occur if a project is pursued and determines if, after all significant factors are considered, the project should be pursued. Feasibility studies also allow a business to address where and how it will operate, potential obstacles, competition and the Funding needed to get the business up and running.

This project “**Compify**” has undergone the following Feasibility study:

- Economic Feasibility
- Technical Feasibility
- Behavioural Feasibility +
- Schedule Feasibility

Every project is feasible for given unlimited resources and infinitive time. Feasibility study is an evaluation of the proposed system regarding its workability, impact on the organization, ability to meet the user needs and effective use of resources. Thus, when a new application is proposed it normally goes through a feasibility study before it is approved for development. Feasibility and risk analysis are related in many ways. The feasibility analysis in this project has been discussed below based on the above-mentioned components of feasibility.

1. Technical feasibility:

Technical feasibility focusses on the technology used. It means the computerized system is technically feasible i.e., it doesn't have any technical fault and work properly in the given environment. The system is technically feasible if it provides the required output.

2. Economic feasibility:

Economic analysis is the most frequently used method for evaluating the effectiveness of the computerized system. We analyse the computerized system is feasible as than the manual system because it saves the money, time and manpower. It is also feasible according to cost benefit analysis.

3. Behavioural feasibility:

Behavioural feasibility is the analysis of behaviour of the computerized system. In this we analysis that the computerized system is working properly or not. If working then it is communicating properly with the environment or not. All the matters are analysed and a good computerized system is prepared.

4. Schedule feasibility:

Time evaluation is the most important consideration in the development of project. The time schedule required for the development of the project is very important since more development time affect machine time, cost and cause delay in the development of other systems.

2.3 PROPOSED SYSTEM

- The Compify has the solution for all the problems created by the traditional shopping of computer components.
- We provide a transparent way of selling the products where the user/customer can just surf on the website and find the component that they are in need of with the actual and reasonable price.
- With this application/website we are solving the problems of the manual way of buying the product transporting it, by giving a completely online service and home delivery.
- The components reach the customer without having them to step out.

3. SYSTEM DESIGN

In the design phase the architecture is established. This phase starts with the requirement document delivered by the requirement phase and maps the requirements into architecture. The architecture defines the components, their interfaces and behaviours. The deliverable design document is the architecture.

The design document describes a plan to implement the requirements. This phase represents the "how" phase. Details on computer programming languages and environments, machines, packages, application architecture, distributed architecture layering, memory size, platform, algorithms, data structures, global type definitions, interfaces, and many other engineering details are established. The design may include the usage of existing components. Analysing the trade-offs of necessary complexity allows for many things to remain simple which, in turn, will eventually lead to a higher quality product. The architecture team also converts the typical scenarios into a test plan.

In our approach, the team, given a complete requirement document, must also indicate critical priorities for the implementation team. A critical implementation priority leads to a task that has to be done right. If it fails, the product fails. If it succeeds, the product might succeed. At the very least, the confidence level of the team producing a successful product will increase. This will keep the implementation team focused. Exactly how this information is conveyed is a skill based on experience more than a science based on fundamental foundations.

System design is the process of defining the architecture components, modules, interfaces, and data for a system to satisfy specified requirements. Systems design could be seen as the application of systems theory to product development. There is some overlap with the disciplines of systems analysis, systems architecture and systems engineering.

If the broader topic of product development "blends the perspective of marketing, design, and manufacturing into a single approach to product development," then design is the act of taking the marketing information and creating the design of the product to be manufactured.

Systems design is therefore the Process of defining and developing systems to satisfy specified requirements of the user.

Until the 1990s, systems design had a crucial and respected role in the data processing industry. In the 1990s, standardization of hardware and software resulted in the ability to build modular systems. The increasing importance of software running on generic platforms has enhanced the discipline of software engineering.

Object-oriented analysis and design methods are becoming the most widely used methods for computer systems design. The UML has become the standard language in object-oriented analysis and design. It is widely used for modelling software systems and is increasingly used for high designing non-software systems and organizations.

LOGICAL DESIGN:

The logical design of a system pertains to an abstract representation of the data flows, inputs and outputs of the system. This is often conducted via modelling, using an over-abstract (and sometimes graphical) model of the actual system. In the context of systems, designs are included.

Logical design includes entity-relationship diagrams (ER diagrams).

PHYSICAL DESIGN:

The physical design relates to the actual input and output processes of the system. This is explained in terms of how data is input into a system, how it is verified /authenticated, how it is processed, and how it is displayed.

In physical design, the following requirements about the system are decided.

1. Input requirement,
2. Output requirements,
3. Storage requirements,
4. Processing requirements,
5. System control and backup or recovery.

Put another way, the physical portion of system design can generally be broken down into three subtasks:

1. User Interface Design
2. Data Design
3. Process Design

User Interface Design is concerned with how users add information to the system and with how the system presents information back to them. It is concerned with how the data is represented and stored within the system. Finally, **Process Design** is concerned with how data moves through the system, and with how and where it is validated, secured and/or transformed as it flows into, through and out of the system.

At the end of the system design phase, documentation describing the three sub-tasks is produced and made available for use in the next phase. Physical design, in this context, does not refer to the tangible physical design of an information system.

To use an analogy, a personal computer's physical design involves input via a keyboard, processing within the CPU, and output via a monitor, printer, etc. It would not concern the actual layout of the tangible hardware, which for a PC would be a monitor, CPU, motherboard, hard drive, modems, video/graphics cards, USB slots, etc. It involves a detailed design of a user and a product database structure processor and control processor. The H/S personal specification is developed for the proposed system.

3.1 E-R DIAGRAM

An entity relationship diagram (ERD) shows the relationships of entity sets stored in a database. An entity in this context is a component of data. In other words, ER diagrams illustrate the logical structure of databases.

Structure of an Entity Relationship Diagram with Common ERD Notations

An entity relationship diagram is a means of visualizing how the information a system produces is related. There are five main components of an ERD:

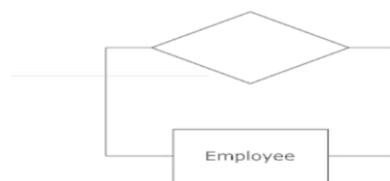
- **Entities**, which are represented by rectangles. An entity is an object or concept about which you want to store information.



- **Weak entity** is an entity that must be defined by a foreign key relationship with another entity as it cannot be uniquely identified by its own attributes alone.



- **Actions**, which are represented by diamond shapes, show how two entities share information in the database. In some cases, entities can be self-linked. For example, employees can supervise other employees.



- **Relationship**: The degree of a relationship is the number of entity types that participate in the relationship.



- **Attributes**, which are represented by ovals. A key attribute is the unique, distinguishing characteristic of the entity. For example, an employee's social security number might be the employee's key attribute.



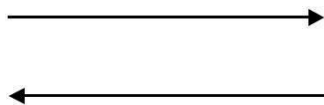
- **Multi-valued attribute** can have more than one value. For example, an employee entity can have multiple skill values.



- **Derived attribute** is based on another attribute. For example, an employee's monthly salary is based on the employee's annual salary.



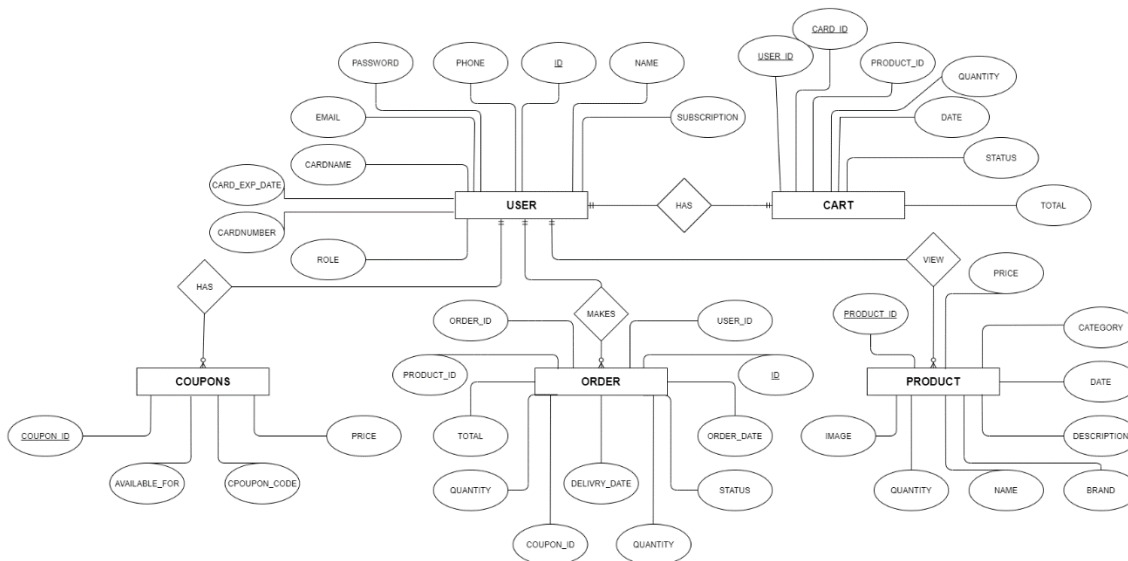
- **Connecting lines**, solid lines that connect attributes to show the relationships of entities in the diagram.



- **Cardinality** specifies how many instances of an entity relate to one instance of another entity. Ordinarily is also closely linked to cardinality. While cardinality specifies the occurrences of a relationship, ordinarily describes the relationship as either mandatory or optional. In other words, cardinality specifies the maximum number of relationships and cordiality specifies the absolute minimum number of relationships.

- One to One
- One to Many
- Many to One
- Many to Many

E-R DIAGRAM FOR INQUISITIVE IMPS – EARLY LEARNING:



3.2 DATA FLOW DIAGRAM (level 0 and level 1)

The Data Flow Diagrams (DFDs) are used for structure analysis and design. DFDs show the flow of data from external entities into the system. DFDs also show how the data moves and are transformed from one process to another, as well as its logical storage. The following symbols are used within DFDs.

A data flow diagram (DFD) is a graphical representation of the "flow" of data through an information system, modelling its process aspects. A DFD is often used as a preliminary step to create an overview of the system, which can later be elaborated. DFDs can also be used for the visualization of data processing (structured design).

A DFD shows what kind of information will be input to and output from the system, where the data will come from and go to, and where the data will be stored. It does not show information about the timing of process or information about whether processes will operate in sequence or in parallel.

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, either at the moment (Current Physical DFD), or how the designer intends it to be in the future (Required Physical DFD).

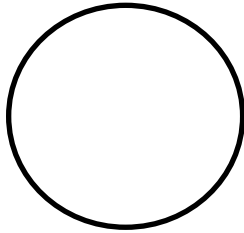
Thus, a Physical DFD may be used to describe the set of data items that appear on each piece of paper that move around an office, and the fact that a particular set of pieces of paper are stored together in a filing cabinet. It is quite possible that a Physical DFD will include references to data that 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.

DATA FLOW SYMBOLS AND THEIR MEANINGS: -



An entity: A source of data or a destination for data.

Source/Sink: Represented by rectangles in the diagram. Sources and Sinks are external entities which are sources or destinations of data, respectively.

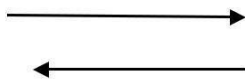


Process: Represented by circles in the diagram. Processes are responsible for manipulating the data.

They take data as input and output an altered version of the data.



Data Store: Represented by a segmented rectangle with an open end on the right. Data Stores are both electronic and physical locations of data. Examples include databases, directories, files, and even filing cabinets and stacks of paper.

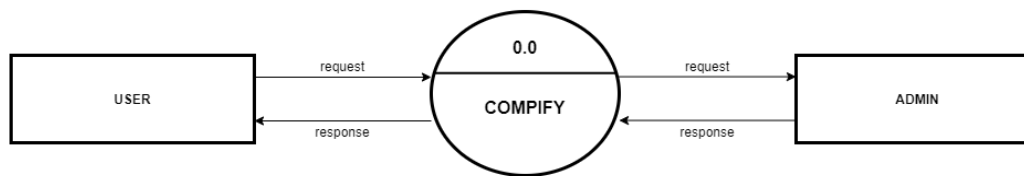


Data Flow: Represented by a unidirectional arrow. Data Flows show how data is moved through the System. Data Flows are labelled with a description of the data that is being passed through it.

A level-0 DFD is the most basic form of DFD. It aims to show how the entire system works at a glance. There is only one process in the system and all the data flows either into or out of this process. Level-0 DFD's demonstrates the interactions between the process and external entities. They do not contain Data Stores.

When drawing Level-0 DFD's, we must first identify the process, all the external entities and all the data flows. We must also state any assumptions we make about the system. It is advised that we draw the process in the middle of the page. We then draw our external entities in the corners and finally connect our entities to our process with the data flows.

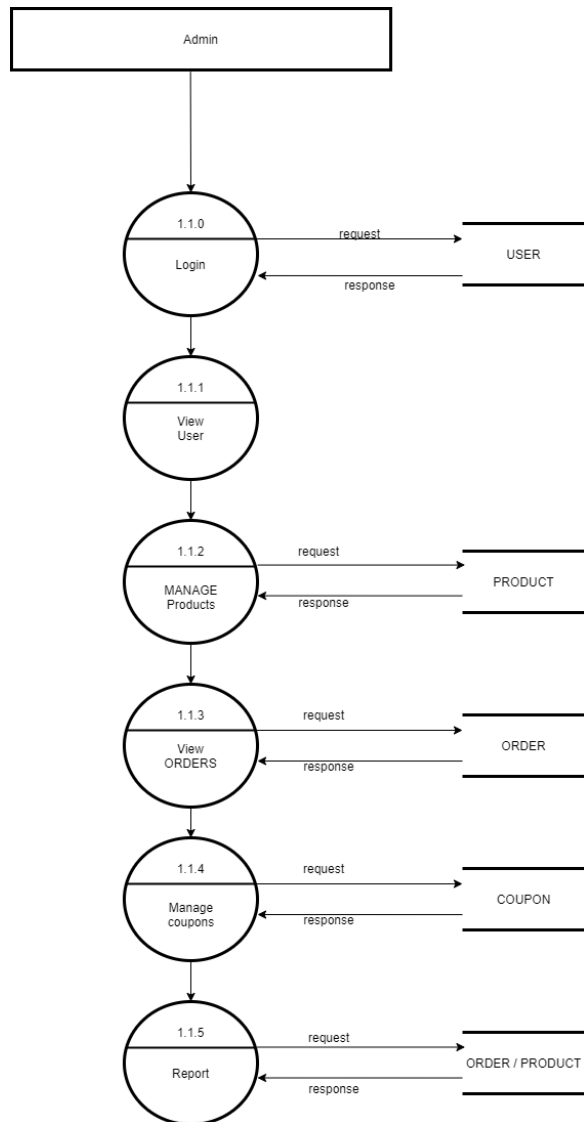
Level 0 DFD/Context Diagram:



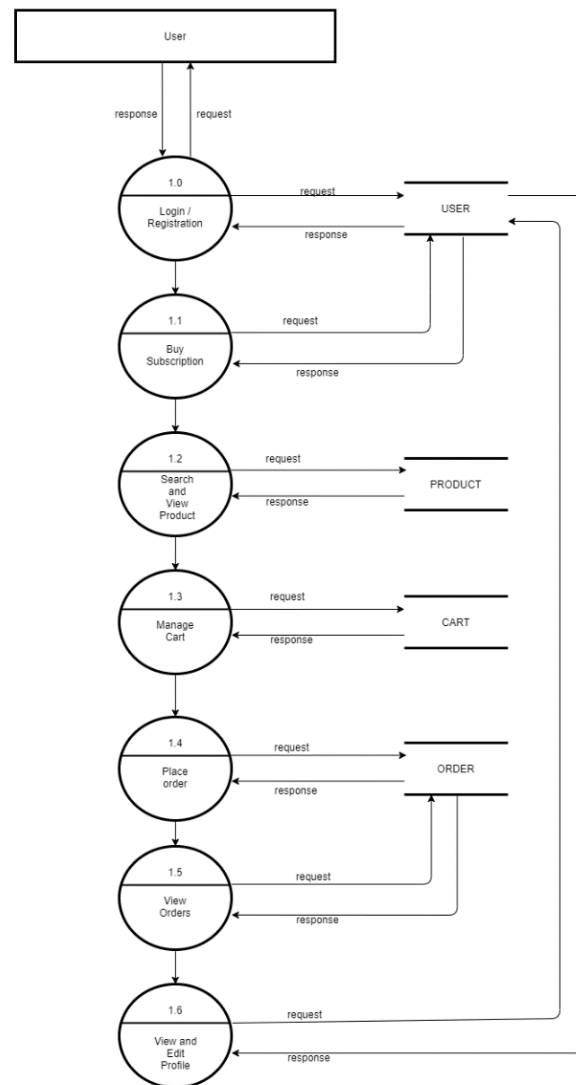
Level 1 DFD:

Level 1 DFD's aim is to give an overview of the full system. They look at the system in more detail. Major processes are broken down into sub-processes. Level 1 DFD's also identifies data stores that are used by the major processes. When constructing a Level 1 DFD we must start by examining the Context Level DFD. We must break up the single process into its subprocesses. We must then pick out the data stores from the text we are given and include them in our DFD. Like the Context Level DFD's, all entities, data stores and processes must be labelled. We must also state any assumptions made from the text.

Admin

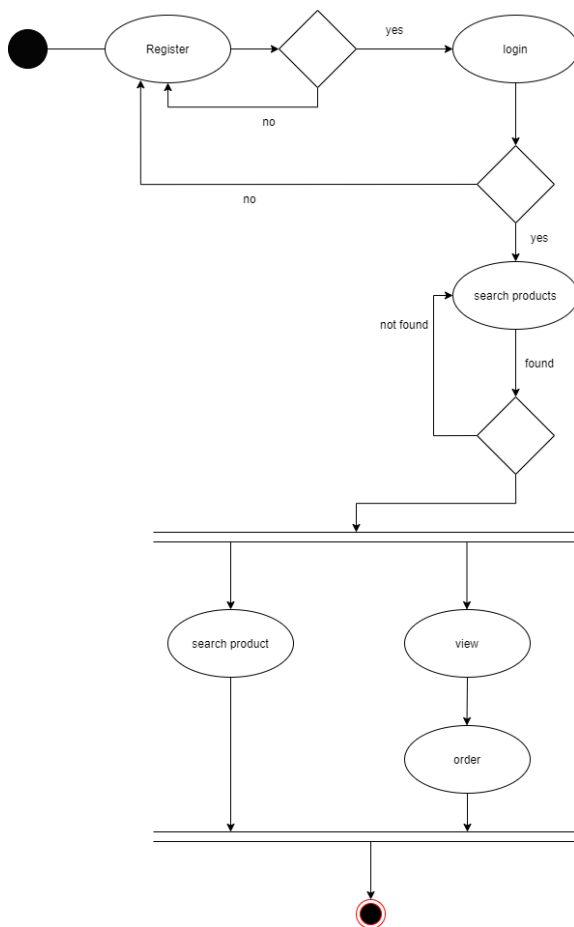
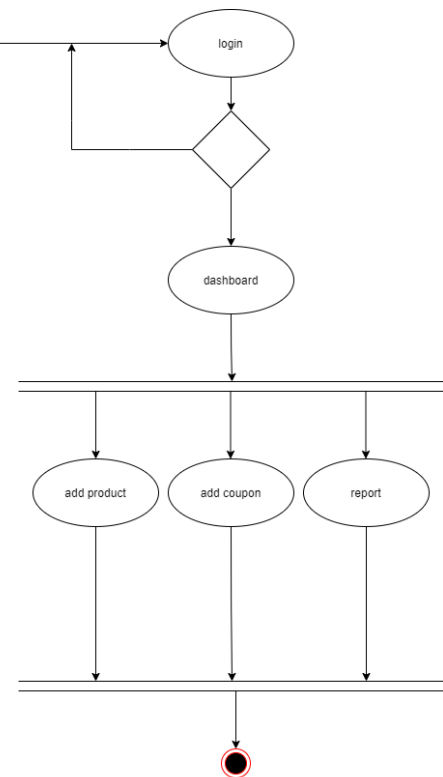


User



3.3 ACTIVITY DIAGRAM

An activity diagram visually represents the series of actions or flow of control in a system similar to a flow chart or data flow diagram. Activity diagram are often used in business processing modelling. They can also describe steps in a used case diagram. The activity diagram for Admin module and User module of COMPIFY is given below.

USER**ADMIN****3.4 GANTT CHART**

A Gantt chart is a type of bar chart, devised by Henry Gantt in the 1910s, that illustrates a project schedule. Gantt charts illustrate the start and finish dates of the terminal elements and summary elements of a project. Terminal elements and summary elements comprise the work breakdown structure of the project. Modern Gantt charts also show the dependency (i.e., precedence network) relationships between activities.

HISTORICAL DEVELOPMENT:

The first known tool of this type was developed in 1896 by Karol Adamiecki, who called it a Harmon gram. Adamiecki did not publish his chart until 1931, however, and only in Polish, which limited both its adoption and recognition of his authorship. The chart is named after Henry Gantt (1861–1919), who designed his chart around the years 1910–1915. One of the first major applications of Gantt charts was by the United States during World War I, at the instigation of General William Crozier in the 1980s, personal computers allowed widespread creation of complex and elaborate Gantt charts. The first desktop applications were intended mainly for project managers and project schedulers. With the advent of the Internet and increased collaboration over networks at the end of the 1990s, Gantt charts became a common feature of web-based applications, including collaborative groupware.

GANTT CHART BENEFITS:

Clarity:

One of the biggest benefits of a Gantt chart is the tool's ability to boil down multiple tasks and timelines into a single document. Stakeholders throughout an organization can easily understand where teams are in a process while grasping the ways in which independent elements come together toward project completion.

Communication:

Teams can use Gantt charts to replace meetings and enhance other status updates. Simply clarifying chart positions offers an easy, visual method to help team members understand task progress.

Motivation:

Some teams or team members become more effective when faced with a form of external motivation. Gantt charts offer teams the ability to focus work at the front of a task timeline, or at the tail end of a chart segment. Both types of team members can find Gantt charts meaningful as they plug their own work habits into the overall project schedule.

Coordination:

For project managers and resource schedulers, the benefits of a Gantt chart include the ability to sequence events and reduce the potential for overburdening team members. Some project managers even use combinations of charts to break down projects into more manageable sets of tasks.

Creativity:

Sometimes, a lack of time or resources forces project managers and teams to find creative solutions. Seeing how individual tasks intertwine on Gantt charts often encourages new partnerships and collaborations that might not have evolved under traditional task assignment systems.

Time Management:

Most managers regard scheduling as one of the major benefits of Gantt charts in a creative environment. Helping teams understand the overall impact of project delays can foster stronger collaboration while encouraging better task organization.

Flexibility:

Whether you use Excel to generate Gantt charts or you load tasks into a more precise chart generator, the ability to issue new charts as your project evolves lets you react to unexpected changes in project scope or timeline. While revising your project schedule too frequently can eliminate some of the other benefits of Gantt charts, offering a realistic view of a project can help team members recover from setbacks or adjust to other changes.

Manageability:

For project managers handling complex assignments, like software publishing or event planning, the benefits of Gantt charts include externalizing assignments. By visualizing all of the pieces of a project puzzle, managers can make more focused, effective decisions about resources and timetables.

Efficiency:

Another one of the benefits of Gantt charts is the ability for teams members to leverage each other's deadlines for maximum efficiency. For instance, while one team member waits on the outcome of three other tasks before starting a crucial piece of the assignment, he or she can perform other project tasks. Visualizing resource usage during projects allows managers to make better use of people, places, and things.

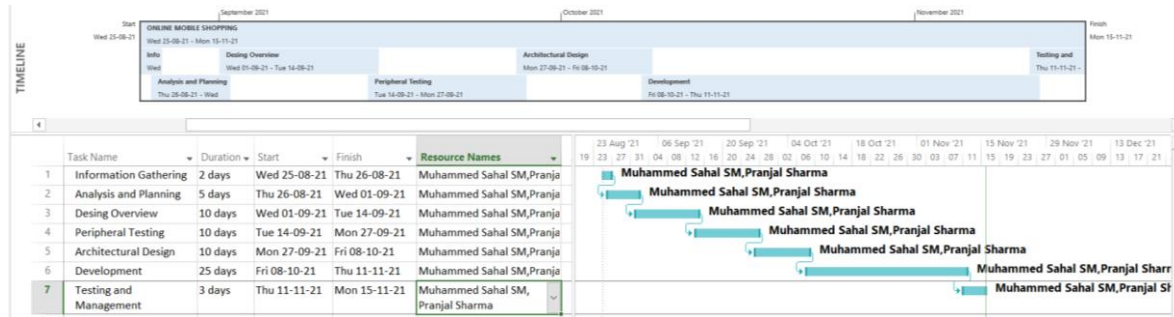
Accountability:

When project teams face major organizational change, documenting effort and outcomes becomes crucial to career success. Using Gantt charts during critical projects allows both project managers and participants to track team progress, highlighting both big wins and major failures during professional review periods; team members who frequently exceed expectations can leverage this documentation into larger raises or bonuses.

Gantt chart Importance:

The project's summary and terminal elements, which combine to form the project's internal structure, are shown on the Gantt chart. Many charts will also depict the precedence rankings and dependencies of various tasks within the project. The charts can illustrate the start and finish project terminal elements in project management. It can also show summary elements and terminal dependencies. The smallest task tracked as part of the project effort is known as a terminal element. Gantt chart represents the tasks in most modern project scheduling packages. However other management applications use simpler communication tools such as message boards, to-do lists and simple scheduling etc., therefore, they do not use Gantt charts as heavily.

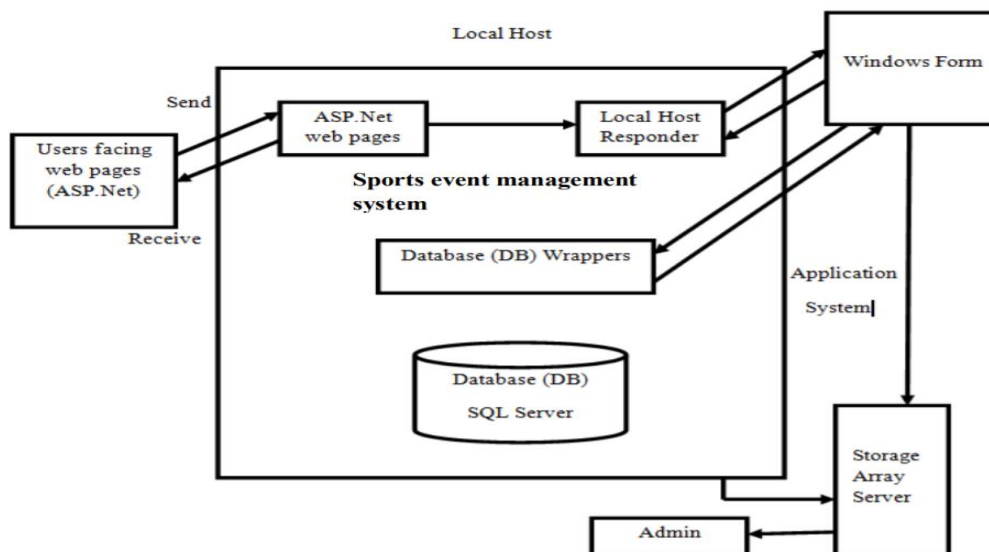
The way to create this chart begins by determining and listing the necessary activities. Next, sketch out how you expect the chart to look. List which items depend on others and what activities take place when. For each activity, list how many man-hours it will require, and who is responsible. Lastly, determine the throughput time.



This technique's primary advantage is its good graphical overview that is easy to understand for nearly all project participants and stakeholders. Its primary disadvantage is its limited applicability for many projects, since projects are often more complex than can be effectively communicated with this chart.

3.5 ARCHITECTURAL DESIGN

An architectural model (in software) is a rich and rigorous diagram, created using available standards, in which the primary concern is to illustrate a specific set of tradeoffs inherent in the structure and design of a system or ecosystem.



3.6 INPUT/OUTPUT DESIGN

Home page :

```
<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="home.aspx.vb" Inherits="compify.home" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Compify</title>
    <!-- #include file="includes/css.aspx" -->
</head>
<body>
    <form id="form1" runat="server">
        <section>
            <div>
                <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">
                    <div class="container">
                        <a class="navbar-brand" href="#">COMPIFY</a>
                        <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
                            <span class="navbar-toggler-icon"></span>
                        </button>
                        <div class="collapse navbar-collapse" id="navbarSupportedContent">
                            <ul class="navbar-nav me-auto mb-2 mb-lg-0 ms-auto ml-auto">
                                <li class="nav-item">
                                    <a class="nav-link active" aria-current="page" href="home.aspx">Home</a>
                                </li>
                                <li class="nav-item dropdown">
                                    <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-bs-toggle="dropdown" aria-
expanded="false">
                                        Brands
                                    </a>
                                    <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
                                        <li><a class="dropdown-item" href="product.aspx?brand=Acer">Acer</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?brand=Dell">Dell</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?brand=Intel">Intel</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?brand=Ryzen">Ryzen</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?brand=ASUS">Asus</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?brand=HP">HP</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?brand=Red Gear">RedGear</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?brand=Zotac">Zotac</a></li>
                                    </ul>
                                </li>
                                <li class="nav-item dropdown">
                                    <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-bs-toggle="dropdown" aria-
expanded="false">
                                        Categories
                                    </a>
                                    <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
                                        <li><a class="dropdown-item" href="product.aspx?categories=CPU Panel">CPU Panel</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?categories=Graphics Card">Graphics Card</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?categories=HDD">HDD</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?categories=Keyboard">Keyboard</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?categories=Motherboard">Motherboard</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?categories=Mouse">Mouse</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?categories=Monitor">Monitor</a></li>
                                        <li><a class="dropdown-item" href="product.aspx?categories=Power Supply">Power Supply</a></li>
                                    </ul>
                                </li>
                            </ul>
                        </div>
                    </div>
                </nav>
            </div>
        </section>
    </form>
</body>
</html>
```

```

        <li><a class="dropdown-item" href="product.aspx?categories=Processor">Processor</a></li>
        <li><a class="dropdown-item" href="product.aspx?categories=RAM">RAM</a></li>
        <li><a class="dropdown-item" href="product.aspx?categories=SSD">SSD</a></li>
    </ul>
</li>
<li class="nav-item dropdown">
    <asp:HyperLink ID="HyperLink1" CssClass="nav-link dropdown-toggle" role="button" data-bs-toggle="dropdown"
aria-expanded="false" runat="server">
        <% if Session("name") Is Nothing Then %>
            Login
        <% Else %>
            <%=Session("name") %>
        <% End If %>
    </asp:HyperLink>
    <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
        <li><a class="dropdown-item" href="cart.aspx">Cart</a></li>
        <li><a class="dropdown-item" href="profile.aspx">Profile</a></li>
        <li><a class="dropdown-divider"></a></li> <hr>
        <li>
            <% if Session("name") Is Nothing Then %>
                <a class="dropdown-item" href="login.aspx">Login</a>
            <% Else %>
                <a class="dropdown-item" href="logout.aspx">Logout</a>
            <% End If %> </li>
        </ul>
    </li>
    <li class="nav-item">
        <a class="nav-link" aria-current="page" href="cart.aspx">Cart
    </a></li></ul></div></div></nav></div></section><section>
<div>
    <div id="carouselExampleFade" class="carousel slide carousel-fade" data-bs-ride="carousel">
        <div class="carousel-inner">
            <div class="carousel-item active">
                
            </div>
            <div class="carousel-item">
                
            </div>
            <div class="carousel-item">
                
            </div>
        </div>
        <button class="carousel-control-prev" type="button" data-bs-target="#carouselExampleFade" data-bs-slide="prev">
            <span class="carousel-control-prev-icon" aria-hidden="true"></span>
            <span class="visually-hidden">Previous</span>
        </button>
        <button class="carousel-control-next" type="button" data-bs-target="#carouselExampleFade" data-bs-slide="next">
            <span class="carousel-control-next-icon" aria-hidden="true"></span>
            <span class="visually-hidden">Next</span>
        </button>
    </div>
</div>
</section>
<section class="section" id="configure">
    <div class="row">
        <div class="col-md-3"></div>
        <div class="col-md-3">
            <div>
                <h1>Build Your Dream PC</h1>

```

```

        <br />
        <h5>Get your dream PC built either at our store or online using our build your PC page and get the complete setup
delivered at your door step.</h5>
        <br />
        <a href="product.aspx" class="btn btn-outline-success">Configure Now</a>
    </div>
</div>
<div class="col-md-3">
    <div>
        <image src="asset/images/configure.jfif" style="width: 350px; height: 300px"></image>
    </div>
</div>
<div class="col-md-3"></div>
</div>
<br />
<br />
<br />
<br />
<hr />
</section>
<section class="section" id="recently_added">
<div class="row justify-content-center">
    <div class="col-md-1"></div>
    <div class="col-md-10">
        <div>
            <h1 class="text-center">About Us</h1>
            <br />
            <br />
            <p class="text-center">We at ANKIT INFOTECH (www.pcstudio.in) pride in completing 25 years of our existence.
Known in the IT market as a innovator of technology, Our Journey has truly been justified to our name.</p>
            <p class="text-center">ANKIT INFOTECH is dedicated to 100% customer delight ensuring that everything from placing
your order to delivering it right to your doorstep is smooth and hassle-free. When it comes to online transactions, ANKIT INFOTECH
ensures that all credit/debit card and net banking transactions are done through secure and trusted gateways. All your bank details are
safe and secure, and will not be shared with any third-party.</p>
            <p class="text-center">ANKIT INFOTECH is one of the leading IT distribution companies in KARNATAKA operating
since its inception in 1993.</p>
            <p class="text-center">The company is heading to provide full range of PC components to all customers through its wide
sales channels</p>
        </div>
    </div>
<div class="col-md-1"></div>
</div>
<br />
<br />
<br />
<br />
</section>
<!-- #include file="includes/footer.aspx" -->
<!-- #include file="includes/javascrpts.aspx" -->
<script>
    <% If Session("message") IsNot Nothing Then %>
    swal("<%=Session("message") %>", "", "<%=Session("status") %>");
    <% End If %>
    <% Session("message") = Nothing
    Session("status") = Nothing%>
</script>
</form>
</body>
</html>

```

Login page:

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="login.aspx.vb" Inherits="compify.login" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Login</title>
    <link rel="stylesheet" href="asset/css/bootstrap.css" />
    <link rel="stylesheet" href="asset/css/custom.css" />
</head>
<body>
    <section>
        <div>
            <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">
                <div class="container">
                    <a class="navbar-brand" href="#">COMPIFY</a>
                    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
                        <span class="navbar-toggler-icon"></span>
                    </button>
                    <div class="collapse navbar-collapse" id="navbarSupportedContent">
                        <ul class="navbar-nav me-auto mb-2 mb-lg-0 ms-auto ml-auto">
                            <li class="nav-item">
                                <a class="nav-link active" aria-current="page" href="home.aspx">Home</a>
                            </li>
                            <li class="nav-item dropdown">
                                <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-bs-toggle="dropdown" aria-
expanded="false">
                                    Brands
                                </a>
                                <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
                                    <li><a class="dropdown-item" href="product.aspx?brand=Acer">Acer</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?brand=Dell">Dell</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?brand=Intel">Intel</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?brand=Ryzen">Ryzen</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?brand=ASUS">Asus</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?brand=HP">HP</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?brand=Red Gear">RedGear</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?brand=Zotac">Zotac</a></li>
                                </ul>
                            </li>
                            <li class="nav-item dropdown">
                                <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-bs-toggle="dropdown" aria-
expanded="false">
                                    Categories
                                </a>
                                <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
                                    <li><a class="dropdown-item" href="product.aspx?categories=CPU Panel">CPU Panel</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?categories=Graphics Card">Graphics Card</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?categories=HDD">HDD</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?categories=Keyboard">Keyboard</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?categories=Motherboard">Motherboard</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?categories=Mouse">Mouse</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?categories=Monitor">Monitor</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?categories=Power Supply">Power Supply</a></li>
                                    <li><a class="dropdown-item" href="product.aspx?categories=Processor">Processor</a></li>
                                </ul>
                            </li>
                        </ul>
                    </div>
                </div>
            </nav>
        </div>
    </section>
</body>
</html>

```

```

        <li><a class="dropdown-item" href="product.aspx?categories=RAM">RAM</a></li>
        <li><a class="dropdown-item" href="product.aspx?categories=SSD">SSD</a></li>
    </ul>
</li>
<li class="nav-item dropdown">
    <asp:HyperLink ID="HyperLink1" CssClass="nav-link dropdown-toggle" role="button" data-bs-toggle="dropdown"
    aria-expanded="false" runat="server">
        <% if Session("name") Is Nothing Then %>
            Login
        <% Else %>
            <%=Session("name") %>
        <% End If %>
    </asp:HyperLink>
    <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
        <li><a class="dropdown-item" href="cart.aspx">Cart</a></li>
        <li><a class="dropdown-item" href="profile.aspx">Profile</a></li>
        <li><a class="dropdown-divider"></a></li> <hr>
        <li>
            <% if Session("name") Is Nothing Then %>
                <a class="dropdown-item" href="login.aspx">Login</a>
            <% Else %>
                <a class="dropdown-item" href="logout.aspx">Logout</a>
            <% End If %> </li>
        </ul>
    </li>
    <li class="nav-item">
        <a class="nav-link" aria-current="page" href="cart.aspx">Cart
        </a>
    </li>
</ul>
</div>
</div>
</nav>
</div>
</section>
<section style="margin:100px;">
    <div class="row">
        <div class="col-md-3"></div>
        <div class="col-md-6">
            <h3 class="text-center">Login Here!</h3>
            <form id="form1" runat="server">
                <div class="mb-3">
                    <label for="exampleInputPassword1" class="form-label">Email</label>
                    <asp:TextBox ID="TextBox1" class="form-control" runat="server" TextMode="Email"
                    required="true"></asp:TextBox>
                    <div id="emailHelp" class="form-text">We'll never share your email with anyone else.</div>
                </div>
                <div class="mb-3">
                    <label for="exampleInputPassword1" class="form-label">Password</label>
                    <asp:TextBox ID="TextBox2" type="password" class="form-control" runat="server" TextMode="Password"
                    required="true"></asp:TextBox>
                </div>
                <asp:Button ID="Button1" CssClass="btn btn-success" runat="server" Text="Login" />
                <asp:Button ID="Button2" CssClass="btn btn-primary" runat="server" Text="Register" />
            </form>
        </div>
        <div class="col-md-3"></div>
    </div>

```

```

</section>
<section>
  <div class="footer d-flex justify-content-between">
    <div>
      <h6 class="para ">HOME</h6>
      <p class="para ">Build your own pc</p>
      <p class="para ">Testimonials</p>
      <p class="para ">Recently Added</p>
    </div>
    <div>
      <h6 class="para ">BRAND</h6>
      <p class="para ">Build your own pc</p>
      <p class="para ">Testimonials</p>
      <p class="para ">Recently Added</p>
    </div>
    <div>
      <h6 class="para ">CATEGORIES</h6>
      <p class="para ">Build your own pc</p>
      <p class="para ">Testimonials</p>
      <p class="para ">Recently Added</p>
    </div>
    <div>
      <h6 class="para ">MY ACCOUNT</h6>
      <p class="para ">Profie</p>
      <p class="para ">Cart</p>
      <p class="para ">Orders</p>
    </div>
  </div>
  <div class="footer-end d-flex justify-content-between">
    <p class="para ">Follow us on Facebook Instagram</p>
    <p class="para ">Copyright © 2021 compify.com All rights reserved</p>
    <p class="para ">Phone : +91 9108454347</p>
  </div>
</section>
<!-- #include file="includes/javascripts.aspx" -->
<script>
  <% If Session("message") IsNot Nothing Then %>
    swal("<%=Session("message") %>", "", "<%=Session("status") %>");
  <% End If %>
  <% Session("message") = Nothing
    Session("status") = Nothing%>
</script>
</body></html>

```

Registration page:

```

<% @ Page Language="vb" AutoEventWireup="false" CodeBehind="register.aspx.vb" Inherits="compify.register" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Register</title>
  <link rel="stylesheet" href="asset/css/bootstrap.css" />
  <link rel="stylesheet" href="asset/css/custom.css" />
</head>
<body>

  <section>

```



```

<div>
  <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-top">
    <div class="container">
      <a class="navbar-brand" href="#">COMPIFY</a>
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarSupportedContent">
        <ul class="navbar-nav me-auto mb-2 mb-lg-0 ms-auto ml-auto">
          <li class="nav-item">
            <a class="nav-link active" aria-current="page" href="home.aspx">Home</a>
          </li>
          <li class="nav-item dropdown">
            <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-bs-toggle="dropdown" aria-
expanded="false">
              Brands
            </a>
            <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
              <li><a class="dropdown-item" href="product.aspx?brand=Acer">Acer</a></li>
              <li><a class="dropdown-item" href="product.aspx?brand=Dell">Dell</a></li>
              <li><a class="dropdown-item" href="product.aspx?brand=Intel">Intel</a></li>
              <li><a class="dropdown-item" href="product.aspx?brand=Ryzen">Ryzen</a></li>
              <li><a class="dropdown-item" href="product.aspx?brand=ASUS">Asus</a></li>
              <li><a class="dropdown-item" href="product.aspx?brand=HP">HP</a></li>
              <li><a class="dropdown-item" href="product.aspx?brand=Red Gear">RedGear</a></li>
              <li><a class="dropdown-item" href="product.aspx?brand=Zotac">Zotac</a></li>
            </ul>
          </li>
          <li class="nav-item dropdown">
            <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-bs-toggle="dropdown" aria-
expanded="false">
              Categories
            </a>
            <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
              <li><a class="dropdown-item" href="product.aspx?categories=CPU Panel">CPU Panel</a></li>
              <li><a class="dropdown-item" href="product.aspx?categories=Graphics Card">Graphics Card</a></li>
              <li><a class="dropdown-item" href="product.aspx?categories=HDD">HDD</a></li>
              <li><a class="dropdown-item" href="product.aspx?categories=Keyboard">Keyboard</a></li>
              <li><a class="dropdown-item" href="product.aspx?categories=Motherboard">Motherboard</a></li>
              <li><a class="dropdown-item" href="product.aspx?categories=Mouse">Mouse</a></li>
              <li><a class="dropdown-item" href="product.aspx?categories=Monitor">Monitor</a></li>
              <li><a class="dropdown-item" href="product.aspx?categories=Power Supply">Power Supply</a></li>
              <li><a class="dropdown-item" href="product.aspx?categories=Processor">Processor</a></li>
              <li><a class="dropdown-item" href="product.aspx?categories=RAM">RAM</a></li>
              <li><a class="dropdown-item" href="product.aspx?categories=SSD">SSD</a></li>
            </ul>
          </li>
          <li class="nav-item dropdown">
            <asp:HyperLink ID="HyperLink1" CssClass="nav-link dropdown-toggle" role="button" data-bs-toggle="dropdown"
aria-expanded="false" runat="server">
              <% if Session("name") Is Nothing Then %>
                Login
              <% Else %>
                <%=Session("name") %>
              <% End If %>
            </asp:HyperLink>
            <ul class="dropdown-menu" aria-labelledby="navbarDropdown">
              <li><a class="dropdown-item" href="cart.aspx">Cart</a></li>

```

```

<li><a class="dropdown-item" href="profile.aspx">Profile</a></li>
<li><a class="dropdown-divider"></a></li> <hr>
<li>
    <% if Session("name") Is Nothing Then %>
        <a class="dropdown-item" href="login.aspx">Login</a>
    <% Else %>
        <a class="dropdown-item" href="logout.aspx">Logout</a>
    <% End If %> </li>
</ul>
</li>
<li class="nav-item">
    <a class="nav-link" aria-current="page" href="cart.aspx">Cart
    </a>
</li>
</ul>
</div>
</div>
</nav>
</div>
</section>
<section style="margin:100px;">
    <div class="row">
        <div class="col-md-3"></div>
        <div class="col-md-6">
            <h3 class="text-center">Register Here!</h3>
            <form id="form1" runat="server">
                <div class="mb-3">
                    <label for="exampleInputEmail1" class="form-label">Full Name</label>
                    <asp:TextBox ID="TextBox1" class="form-control" runat="server" required="true"></asp:TextBox>
                </div>
                <div class="mb-3">
                    <label for="exampleInputPassword1" class="form-label">Email</label>
                    <asp:TextBox ID="TextBox2" class="form-control" runat="server" TextMode="Email"
required="true"></asp:TextBox>
                    <div id="emailHelp" class="form-text">We'll never share your email with anyone else.</div>
                </div>
                <div class="mb-3">
                    <label for="exampleInputPassword1" class="form-label">Phone Number</label>
                    <asp:TextBox ID="TextBox5" class="form-control" runat="server" MaxLength="10" TextMode="number"
required="true"></asp:TextBox>
                </div>
                <div class="mb-3">
                    <label for="exampleInputPassword1" class="form-label">Password</label>
                    <asp:TextBox ID="TextBox3" type="password" class="form-control" runat="server" TextMode="Password"
required="true"></asp:TextBox>
                </div>
                <div class="mb-3">
                    <label for="exampleInputPassword1" class="form-label">Confirm Password</label>
                    <asp:TextBox ID="TextBox4" type="password" class="form-control" runat="server" TextMode="Password"
required="true"></asp:TextBox>
                </div>
                <asp:Button ID="Button1" CssClass="btn btn-success" runat="server" Text="Submit" />
                <asp:Button ID="Button2" CssClass="btn btn-danger" runat="server" Text="Cancel" />
            </form>
        </div>
    </div>
</div>
</section>

```

```

<section>
  <div class="footer d-flex justify-content-between">
    <div>
      <h6 class="para ">HOME</h6>
      <p class="para ">Build your own pc</p>
      <p class="para ">Testimonials</p>
      <p class="para ">Recently Added</p>
    </div>
    <div>
      <h6 class="para ">BRAND</h6>
      <p class="para ">Build your own pc</p>
      <p class="para ">Testimonials</p>
      <p class="para ">Recently Added</p>
    </div>
    <div>
      <h6 class="para ">CATEGORIES</h6>
      <p class="para ">Build your own pc</p>
      <p class="para ">Testimonials</p>
      <p class="para ">Recently Added</p>
    </div>
    <div>
      <h6 class="para ">MY ACCOUNT</h6>
      <p class="para ">Profie</p>
      <p class="para ">Cart</p>
      <p class="para ">Orders</p>
    </div>
  </div>
  <div class="footer-end d-flex justify-content-between">
    <p class="para ">Follow us on Facebook Instagram</p>
    <p class="para ">Copyright © 2021 compify.com All rights reserved</p>
    <p class="para ">Phone : +91 9108454347</p>
  </div>
</section>
<!-- #include file="includes/javascripts.aspx" -->
<script>
  <% If Session("error") IsNot Nothing Then %>
    swal("<%=Session("error") %>", "", "<%=Session("errorstatus") %>");
  <% End If %>
  <% Session("error") = Nothing
    Session("errorstatus") = Nothing %>
</script>
</body>
</html>

```

Products page:

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="product.aspx.vb" Inherits="compify.product" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Products</title>
  <!-- #include file="includes/acss.aspx" -->
  <style type="text/css">
    .auto-style1 {
      width: 101%;
      height: 168px;
    }
  </style>
</head>
<body>
  <div class="container">
    <div class="row">
      <div class="col-md-12">
        <div class="card">
          <div class="card-body">
            <h3>Products</h3>
            <table border="1">
              <thead>
                <tr>
                  <th>Product Name</th>
                  <th>Price</th>
                </tr>
              </thead>
              <tbody>
                <tr>
                  <td>Product 1</td>
                  <td>100</td>
                </tr>
                <tr>
                  <td>Product 2</td>
                  <td>200</td>
                </tr>
                <tr>
                  <td>Product 3</td>
                  <td>300</td>
                </tr>
                <tr>
                  <td>Product 4</td>
                  <td>400</td>
                </tr>
                <tr>
                  <td>Product 5</td>
                  <td>500</td>
                </tr>
              </tbody>
            </table>
          </div>
        </div>
      </div>
    </div>
  </div>
</body>
</html>

```

```

    }
    .auto-style2 {
        height: 58px;
    }
    .auto-style4 {
        height: 23px;
    }
    .auto-style6 {
        text-align: right;
    }
    .auto-style7 {
        width: 100%;
    }
    .auto-style8 {
        text-align: center;
    }
</style>
</head>
<body>
    <!-- #include file="includes/userproductsidebar.aspx" -->
    <form id="form1" runat="server">
        <div>
            <div class="card-body">
                <asp:DataList ID="DataList1" runat="server" CssClass="mt-5" DataSourceID="SqlDataSource1" Height="376px"
RepeatDirection="Horizontal" Width="506px" RepeatColumns="5">
                    <ItemTemplate>
                        <div class="mx-2 card card-body shadow">
                            <table class="auto-style1">
                                <tr>
                                    <td style="text-align: center">
                                        <asp:Image ID="Image1" runat="server" ImageUrl='<%# Eval("image") %>' Height="200px" Width="200px" />
                                    </td>
                                </tr>
                                <tr>
                                    <td class="auto-style2" style="text-align: center">
                                        <asp:Label ID="Label2" runat="server" style="text-align: center" Text='<%# Eval("name") %>'></asp:Label>
                                    </td>
                                </tr>
                                <tr>
                                    <td style="text-align: center">
                                        <asp:Label ID="Label3" runat="server" style="text-align: center" Text='<%# Eval("price") %>'></asp:Label>
                                    </td>
                                </tr>
                                <tr>
                                    <td class="auto-style6">
                                        <asp:Button ID="Button1" runat="server" CssClass="btn btn-success btn-sm" Text="View"
CommandName="viewproduct" CommandArgument='<%# Eval("name") %>' />
                                        &nbsp;</td>
                                    </tr>
                                </table>
                                <br />
                            </div>
                        </ItemTemplate>
                    </asp:DataList>
                </div>
                <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString='<#$ ConnectionStrings:ConnectionString %>'
SelectCommand="SELECT [image], [name], [price] FROM [product] WHERE ([category] = @category)">
                    <SelectParameters>

```

```

        <asp:QueryStringParameter Name="category" QueryStringField="categories" Type="String" />
    </SelectParameters>
</asp:SqlDataSource>
<asp:DataList ID="DataList3" runat="server" DataSourceID="SqlDataSource3" RepeatDirection="Horizontal"
RepeatColumns="5">
    <ItemTemplate>
        <div class="mx-2 card card-body shadow">
            <table class="auto-style7">
                <tr>
                    <td class="auto-style8">
                        <asp:Image ID="Image3" runat="server" ImageUrl="<%# Eval("image") %>" Height="200px" Width="200px" />
                    </td>
                </tr>
                <tr>
                    <td class="auto-style8">
                        <asp:Label ID="Label6" runat="server" Text="<%# Eval("name") %>"></asp:Label>
                    </td>
                </tr>
                <tr>
                    <td class="auto-style8">
                        <asp:Label ID="Label7" runat="server" Text="<%# Eval("price") %>"></asp:Label>
                    </td>
                </tr>
                <tr>
                    <td class="auto-style6">
                        <asp:Button ID="Button3" CssClass="btn btn-success" runat="server" Text="View" />
                    </td>
                </tr>
            </table>
        </div>
        <br />
    </ItemTemplate>
</asp:DataList>
<asp:SqlDataSource ID="SqlDataSource3" runat="server" ConnectionString="<%$ ConnectionStrings:ConnectionString
%>" SelectCommand="SELECT [image], [name], [price] FROM [product] WHERE ([brand] = @brand)">
    <SelectParameters>
        <asp:QueryStringParameter Name="brand" QueryStringField="brand" Type="String" />
    </SelectParameters>
</asp:SqlDataSource>
</div>
<div class="card-body">
    <asp:DataList ID="DataList2" runat="server" DataSourceID="SqlDataSource2" RepeatDirection="Horizontal" CssClass="mt-5"
RepeatColumns="5">
        <ItemTemplate>
            <div class="me-2 card card-body shadow">
                <table class="auto-style1">
                    <tr>
                        <td style="text-align: center">
                            <asp:Image ID="Image2" runat="server" ImageUrl="<%# Eval("image") %>" Height="200px" Width="200px"
/>
                        </td>
                    </tr>
                    <tr>
                        <td class="auto-style4" style="text-align: center">
                            <asp:Label ID="Label4" runat="server" Text="<%# Eval("name") %>"></asp:Label>
                        </td>
                    </tr>
                    <tr>
                        <td style="text-align: center">

```

```

        <asp:Label ID="Label5" runat="server" style="text-align: center" Text="<%# Eval("price") %>" /></asp:Label>
    </td>
</tr>
<tr>
    <td class="auto-style6">
        <asp:Button ID="Button2" runat="server" CssClass="btn btn-success btn-sm" CommandName="viewproduct"
Text="View" CommandArgument="<%# Eval("name") %>" />
    </td>
</tr>
</table>
</div>
<br />
<br />
</ItemTemplate>
</asp:DataList>
</div>
<asp:SqlDataSource ID="SqlDataSource2" runat="server" ConnectionString="<%= $ ConnectionStrings:ConnectionString %>"
SelectCommand="SELECT [image], [name], [price] FROM [product] ORDER BY [date], [price]"></asp:SqlDataSource>
</form>
<!-- #include file="includes/javascripts.aspx" -->
<!-- #include file="includes/ajs.aspx" -->
<script>
    <% If Session("message") IsNot Nothing Then %>
    swal("<%=Session("message") %>", "", "<%=Session("status") %>");
    <% End If %>
    <% Session("message") = Nothing
    Session("status") = Nothing%>
</script>
</body>
</html>

```

Cart:

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="cart.aspx.vb" Inherits="compify.cart" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>cart</title>
    <!-- #include file="includes/acss.aspx" -->
</head>
<body>
    <!-- #include file="includes/userproductsidebar.aspx" -->
    <form id="form1" runat="server">
        <div class="row mt-5">
            <div class="col-md-12">
                <div class="table-responsive vproduct">
                    <asp:GridView ID="GridView1" runat="server" AllowPaging="True" CssClass="table table-striped table-
bordered" AllowSorting="True" AutoGenerateColumns="False" DataKeyNames="cart_id" DataSourceID="SqlDataSource1">
                        <Columns>
                            <asp:BoundField DataField="cart_id" HeaderText="cart_id" InsertVisible="False" ReadOnly="True"
SortExpression="cart_id" />
                            <asp:ImageField DataImageUrlField="image" HeaderText="Image"
                                ControlStyle-Width="150" ItemStyle-Width="150"
                                ControlStyle-Height="150" ItemStyle-Height="150" >
                                <ControlStyle Height="150px" Width="150px"></ControlStyle>
                                <ItemStyle Height="150px" Width="150px"></ItemStyle>
                            </asp:ImageField>

```

```

        <asp:BoundField DataField="name" HeaderText="name" SortExpression="name" />
        <asp:BoundField DataField="price" HeaderText="price" SortExpression="price" />
        <asp:BoundField DataField="quantity" HeaderText="quantity" SortExpression="quantity" />
        <asp:CommandField ShowSelectButton="True" SelectText="Modify" ShowDeleteButton="True" />
    </Columns>
    <EmptyDataTemplate>
        No Items Available
    </EmptyDataTemplate>
</asp:GridView>
<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$
ConnectionStrings:ConnectionString %>"
    SelectCommand="SELECT cart.cart_id, product.image, product.name, product.price, cart.quantity FROM cart
INNER JOIN product ON cart.product_id = product.product_id INNER JOIN users ON cart.user_id = users.Id WHERE (cart.status =
'PENDING') AND (cart.user_id = @userid) ORDER BY cart.date" DeleteCommand="DELETE FROM cart WHERE (cart_id = -1)">
    <SelectParameters>
        <asp:SessionParameter Name="userid" SessionField="userid" Type="Int32" />
    </SelectParameters>
</asp:SqlDataSource>
<asp:Button ID="Button1" runat="server" Text="CheckOut" CssClass="btn btn-success float-right" style="text-align:
center; margin-right:30px;" />
</div>
</div>
<!-- #include file="includes/javascrpts.aspx" -->
<!-- #include file="includes/ajs.aspx" -->
<script>
    $('vproduct a:contains("Edit").').addClass('btn btn-primary float-start m-1 text-white');
    $('vproduct a:contains("Update").').addClass('btn btn-primary float-start m-1 text-white');
    $('vproduct a:contains("Delete").').addClass('btn btn-danger float-start m-1 text-white');
    $('vproduct a:contains("Cancel").').addClass('btn btn-danger float-start m-1 text-white');
    $('vproduct a:contains("Modify").').addClass('btn btn-success float-start m-1 text-white');
</script>
<script>
<% If Session("message") IsNot Nothing Then %>
    swal("<%=Session("message") %>", "", "<%=Session("status") %>");
<% End If %>
<% Session("message") = Nothing
    Session("status") = Nothing%>
</script>
</form>
</body>
</html>

```

Checkout page:

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="checkout.aspx.vb" Inherits="compify.checkout" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>checkout</title>
    <!-- #include file="includes/acss.aspx" -->
<style type="text/css">
    .auto-style1 {
        text-align: right;
    }
    .auto-style2 {
        width: 100%;
    }

```

```

    }
</style>
</head>
<body>
<!-- #include file="includes/userproductsidebar.aspx" -->
<form id="form1" runat="server">
    <div class="row mt-5">
        <div class="col-md-3"></div>
        <div class="col-md-5">
            <asp:DataList ID="DataList1" runat="server" DataSourceID="SqlDataSource1" Width="737px" >
                <FooterTemplate>
                    <div class="auto-style1">
                        <table class="auto-style2">
                            <tr>
                                <td>
                                    <hr />
                                </td>
                                <td>
                                    <hr />
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <asp:Label ID="Label5" runat="server" Font-Size="Large" Text="Items:"></asp:Label>
                                </td>
                                <td>
                                    <asp:Label ID="Label14" runat="server" Text="₹"></asp:Label>
                                    <asp:Label ID="Label12" runat="server" Text="<%# Session("itemstotal") %>"></asp:Label>
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <asp:Label ID="Label8" runat="server" Text="Delivery:"></asp:Label>
                                </td>
                                <td>
                                    <asp:Label ID="Label15" runat="server" Text="₹"></asp:Label>
                                    <asp:Label ID="Label11" runat="server" Text="150"></asp:Label>
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <asp:Label ID="Label9" runat="server" Text="Coupon Applied:"></asp:Label>
                                </td>
                                <td>
                                    <asp:Label ID="Label18" runat="server" Text="₹"></asp:Label>
                                    <asp:Label ID="Label19" runat="server" Text="0"></asp:Label>
                                </td>
                            </tr>
                            <tr>
                                <td>
                                    <asp:Label ID="Label10" runat="server" Text="Order Total:"></asp:Label>
                                </td>
                                <td>
                                    <asp:Label ID="Label17" runat="server" Font-Size="Large" ForeColor="Red" Text="₹"></asp:Label>
                                    <asp:Label ID="Label6" runat="server" Font-Bold="True" Font-Size="Large" ForeColor="Red" Text="<%#
Session("total") %>"></asp:Label>
                                </td>
                            </tr>
                        </table>
                    </div>
                </FooterTemplate>
            </asp:DataList>
        </div>
    </div>
</form>

```



```

        <td>&nbsp;</td>
        <td>
            &nbsp;</td>
    </tr>
</table>
</div>
</FooterTemplate>
<HeaderTemplate>
    <asp:Label ID="Label7" runat="server" Text="CheckOut"></asp:Label>
</HeaderTemplate>
<ItemTemplate>
    <table class="table table-borderless">
        <tr>
            <td>
                <asp:Image ID="Image1" runat="server" ImageUrl="<%# Eval("image") %>" Width="80px" Height="80px" />
            </td>
            <td>
                <asp:Label ID="Label1" runat="server" Text='<%# Eval("name") %>' Font-Bold="True" Font-
Size="Large"></asp:Label>
            </td>
            <td>
                <asp:Label ID="Label2" runat="server" Text='<%# Eval("quantity") %>' Font-Size="Large"></asp:Label>
            </td>
            <td>
                <asp:Label ID="Label3" runat="server" Text='<%# Eval("price") %>' Font-Size="Large"></asp:Label>
            </td>
        </tr>
    </table>
</ItemTemplate>
<asp:DataList>
    <asp:Button ID="Button1" runat="server" CssClass="btn btn-success float-right" OnClick="Button1_Click" Text="Order
Now" />
    <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%%$ ConnectionStrings:ConnectionString %>"
        SelectCommand="SELECT product.image, product.name, product.price, cart.quantity FROM cart INNER JOIN product ON
cart.product_id = product.product_id INNER JOIN users ON cart.user_id = users.Id WHERE (cart.status = 'PENDING') AND
(cart.user_id = @userid) ORDER BY cart.date">
        <selectparameters>
            <asp:sessionparameter name="userid" sessionfield="userid" type="Int32" />
        </selectparameters>
    </asp:SqlDataSource>
</div>
<div class="col-md-3">
    <asp:Label ID="Label4" runat="server" Text="Select Coupons"></asp:Label>
    <asp:DropDownList ID="DropDownList1" runat="server"></asp:DropDownList>
</div>
</div>
</form>
<!-- #include file="includes/jascripts.aspx" -->
<!-- #include file="includes/ajs.aspx" -->
</body>
</html>

```

Payment page:

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="payment.aspx.vb" Inherits="compify.payment" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Payment</title>
    <!-- #include file="includes/acss.aspx" -->
</head>
<body>
    <!-- #include file="includes/userproductsidebar.aspx" -->
    <form id="form1" runat="server">
        <div class="row mt-5">
            <div class="col-md-2"></div>
            <div class="col-md-10">
                <asp:Label ID="Label1" runat="server" Font-Size="XX-Large" Text="Select Payment Method"></asp:Label>
                <div class="card w-75 mt-5">
                    <div class="card-body">
                        <h5 class="card-title">Card</h5>
                        <asp:Button ID="Button2" CssClass="btn btn-warning float-right" runat="server" Text="Select" />
                        <p class="card-text">With supporting text below as a natural lead-in to additional content.</p>
                        
                        <br />
                        <asp:Label ID="Label2" runat="server" Text="Card Name" Font-Bold="True"></asp:Label>
                        <p>
                            <asp:LinkButton ID="Button4" CssClass="btn btn-primary" data-toggle="collapse" href="#collapseExample"
                                role="button" aria-expanded="false" aria-controls="collapseExample" runat="server" Text="Add CARD" />
                        </p>
                        <div class="collapse" id="collapseExample">
                            <div class="card card-body">

                                <div class="mb-3">
                                    <label for="exampleInputEmail1" class="form-label">Card Name</label>
                                    <asp:TextBox ID="cardname" class="form-control" runat="server"></asp:TextBox>
                                </div>
                                <div class="mb-3">
                                    <label for="exampleInputPassword1" class="form-label">Card Number</label>
                                    <asp:TextBox ID="cardnumber" class="form-control" runat="server"></asp:TextBox>
                                    <div id="emailHelp" class="form-text">We'll never share your Card Details with anyone else.</div>
                                </div>
                                <div class="mb-3">
                                    <label for="exampleInputPassword1" class="form-label">Expiry Date</label>
                                    <asp:TextBox ID="expdate" placeholder="MM/YY" class="form-control"
                                        runat="server"></asp:TextBox>
                                </div>
                                <asp:Button ID="Button1" CssClass="btn btn-success" runat="server" Text="Submit" />
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
        <div class="card w-75 mt-5">
            <div class="card-body">
                <h5 class="card-title">Cash On Delivry</h5>
                <asp:Button ID="Button3" CssClass="btn btn-warning float-right" runat="server" Text="Select" />
                <p class="card-text">With supporting text below as a natural lead-in to additional content.</p>
            </div>
        </div>
    </div>
</form>
</body>
</html>

```

```

</div>
</form>
<!-- #include file="includes/javascripts.aspx" -->
<!-- #include file="includes/ajs.aspx" -->
<script>
<% If Session("error") IsNot Nothing Then %>
swal("<%=Session("error") %>", "", "<%=Session("errorstatus") %>");
<% End If %>
<% Session("error") = Nothing
Session("errorstatus") = Nothing %>
</script>
</body>
</html>

```

Place order page:

```

<% @ Page Language="vb" AutoEventWireup="false" CodeBehind="placeorder.aspx.vb" Inherits="compify.placeorder" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title>place order</title>
<!-- #include file="includes/acss.aspx" -->
</head>
<body>
<!-- #include file="includes/userproductsidebar.aspx" -->
<form id="form1" runat="server">
<div class="row mt-5">
<div class="col-md-1"></div>
<div class="col-md-6">
<asp:Label ID="Label1" runat="server" Font-Bold="True" Font-Size="XX-Large" Text="Review Your
Order"></asp:Label>
<div class="card w-75 mt-5">
<div class="card-body">
<h5 class="card-title">Reveiw</h5>
<div class="row">
<div class="col-md-6">
<h6>Shipping Address</h6>
<asp:Label ID="Label2" runat="server" Text="Label"></asp:Label><br />
<asp:Label ID="Address" runat="server" Text="Label"></asp:Label><br />
<asp:Label ID="City" runat="server" Text="Label"></asp:Label><br />
<asp:Label ID="PhoneNumber" runat="server" Text="Label"></asp:Label><br />
</div>
<div class="col-md-6">
<h6>Payment Method</h6>
<asp:Label ID="paymentmethod" runat="server" Text="Label"></asp:Label><br />
</div>
</div>
</div>
</div>
<div class="card w-75 mt-5">
<div class="card-body">
<h5 class="card-title">Delivery Date</h5>
<asp:Label ID="deliverydate" runat="server" Text="Label"></asp:Label><br />
</div>
</div>
</div>
<div class="col-md-5">

```

```
<div class="card w-50 mt-5">
  <div class="card-body">
    <h5 class="card-title">Order Summary</h5>
    <div class="row">
      <div class="col-md-6">
        <asp:Label ID="Label3" runat="server" Text="Items"></asp:Label><br />
        <asp:Label ID="Label4" runat="server" Text="Delivery"></asp:Label><br />
        <asp:Label ID="Label5" runat="server" Text="Coupon"></asp:Label><hr />
        <asp:Label ID="Label6" runat="server" Text="Total"></asp:Label><br />
      </div>
      <div class="col-md-6">
        <asp:Label ID="itemsprice" runat="server" Text="Label"></asp:Label><br />
        <asp:Label ID="delivery" runat="server" Text="Label"></asp:Label><br />
        <asp:Label ID="coupon" runat="server" Text="Label"></asp:Label><hr />
        <asp:Label ID="total" runat="server" Text="Label"></asp:Label><br />
      </div>
    </div>
    <p>
      <% if Session("paymentmethod") Is "CARD" Then %>
        <asp:LinkButton ID="Button4" CssClass="btn btn-warning" data-toggle="collapse"
href="#collapseExample" role="button" aria-expanded="false" aria-controls="collapseExample" runat="server" Text="Place Your
Order" />
        <% Else %>
          <asp:Button ID="Button2" CssClass="btn btn-warning" runat="server" Text="Place Your Order" />
        <% End If %>
      </p>
    <div class="collapse" id="collapseExample">
      <div class="card card-body">
        <div class="mb-3">
          <label for="exampleInputEmail1" class="form-label">Card Name</label>
          <asp:TextBox ID="cardname" class="form-control" runat="server"></asp:TextBox>
        </div>
        <div class="mb-3">
          <label for="exampleInputPassword1" class="form-label">Card Number</label>
          <asp:TextBox ID="cardnumber" class="form-control" runat="server"></asp:TextBox>
          <div id="emailHelp" class="form-text">We'll never share your Card Details with anyone else.</div>
        </div>
        <div class="mb-3">
          <label for="exampleInputPassword1" class="form-label">Expiry Date</label>
          <asp:TextBox ID="expdate" placeholder="MM/YY" class="form-control"
runat="server"></asp:TextBox>
        </div>
        <div class="mb-3">
          <label for="exampleInputPassword1" class="form-label">CVV</label>
          <asp:TextBox ID="cvv" class="form-control" runat="server" TextMode="Password" required="true"
MaxLength="3" ></asp:TextBox>
        </div>
        <asp:Button ID="Button1" CssClass="btn btn-warning" runat="server" Text="Place Your Order" />
      </div>
    </div>
  </div>
</div>
</div>
</form>
<!-- #include file="includes/jascripts.aspx" -->
<!-- #include file="includes/ajs.aspx" -->
</body>
</html>
```

Admin home page:

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="admin.aspx.vb" Inherits="compify.admin" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Admin Dashboard</title>
    <!-- #include file="includes/acss.aspx" -->
</head>
<body>
    <!-- #include file="includes/asidebar.aspx" -->
    <!-- #include file="includes/anavbar.aspx" -->
    <form id="form1" runat="server">
        <div class="container">
            <div class="row">
                <div class="col-md-3">
                    <div class="card-counter primary">
                        <i class="fa fa-shopping-cart"></i>
                        <asp:Label ID="Label1" CssClass="count-numbers" runat="server" Text="12"></asp:Label>
                        <span class="count-name">Products</span>
                    </div>
                </div>
                <div class="col-md-3">
                    <div class="card-counter danger">
                        <i class="fa fa-database"></i>
                        <asp:Label ID="Label2" CssClass="count-numbers" runat="server" Text="12"></asp:Label>
                        <span class="count-name">Orders</span>
                    </div>
                </div>
                <div class="col-md-3">
                    <div class="card-counter success">
                        <i class="fa fa-ticket"></i>
                        <asp:Label ID="Label3" CssClass="count-numbers" runat="server" Text="12"></asp:Label>
                        <span class="count-name">Coupons</span>
                    </div>
                </div>
                <div class="col-md-3">
                    <div class="card-counter info">
                        <i class="fa fa-users"></i>
                        <asp:Label ID="Label4" CssClass="count-numbers" runat="server" Text="12"></asp:Label>
                        <span class="count-name">Users</span>
                    </div>
                </div>
            </div>
            <!-- #include file="includes/footer.aspx" -->
        </form>
    </body>
</html>

```

Add product page:

```

<%@ Page Language="vb" AutoEventWireup="false" CodeBehind="addproducts.aspx.vb" Inherits="compify.addproducts" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Add Products</title>
    <!-- #include file="includes/acss.aspx" -->
</head>
<body>
    <!-- #include file="includes/asidebar.aspx" -->
    <!-- #include file="includes/anavbar.aspx" -->
    <form id="form1" runat="server">
        <div class="row mt-5">
            <div class="col-md-2">
            </div>
            <div class="col-md-6">
                <div class="form-group">
                    <label for="exampleFormControlInput1">Name</label>
                    <asp:TextBox ID="pname" class="form-control" placeholder="Ryzen 5 3600" runat="server" required="true"
></asp:TextBox>
                </div>
                <div class="form-group">
                    <label for="exampleFormControlSelect1">Category</label>
                    <asp:DropDownList ID="pcategories" CssClass="form-control" runat="server">
                        <asp:ListItem>CPU Panel</asp:ListItem>
                        <asp:ListItem>Graphics Card</asp:ListItem>
                        <asp:ListItem>HDD</asp:ListItem>
                        <asp:ListItem>Keyboard</asp:ListItem>
                        <asp:ListItem>Motherboard</asp:ListItem>
                        <asp:ListItem>Mouse</asp:ListItem>
                        <asp:ListItem>Monitor</asp:ListItem>
                        <asp:ListItem>Power Supply</asp:ListItem>
                        <asp:ListItem>Processor</asp:ListItem>
                        <asp:ListItem>RAM</asp:ListItem>
                        <asp:ListItem>SSD</asp:ListItem>
                    </asp:DropDownList>
                </div>
                <div class="form-group">
                    <label for="exampleFormControlSelect1">Brand</label>
                    <asp:DropDownList ID="pbrands" CssClass="form-control" runat="server">
                        <asp:ListItem>Acer</asp:ListItem>
                        <asp:ListItem>Intel</asp:ListItem>
                        <asp:ListItem>Ryzen</asp:ListItem>
                        <asp:ListItem>ASUS</asp:ListItem>
                        <asp:ListItem>HP</asp:ListItem>
                        <asp:ListItem>Samsung</asp:ListItem>
                        <asp:ListItem>Dell</asp:ListItem>
                        <asp:ListItem>Red Gear</asp:ListItem>
                        <asp:ListItem>Gamdias</asp:ListItem>
                        <asp:ListItem>Zotac</asp:ListItem>
                    </asp:DropDownList>
                </div>
                <div class="form-group">
                    <label>Price</label>
                    <asp:TextBox ID="pprice" class="form-control" runat="server" required="true" ></asp:TextBox>
                </div>
            </div>
        </div>
    </form>

```

```

        <label>Quantity</label>
        <asp:TextBox ID="pquantity" class="form-control" runat="server" required="true" ></asp:TextBox>
    </div>
    <div class="form-group">
        <label for="exampleFormControlTextarea1">Description</label>
        <asp:TextBox ID="pdescription" class="form-control" TextMode="MultiLine" Height="100" runat="server"
required="true" ></asp:TextBox>
    </div>
    <div class="mb-3 form-group">
        <label for="formFile" class="form-label">Default file input example</label>
        <div class="row">
            <div class="col-md-8">
                <asp:FileUpload ID="pimage" CssClass="form-control" runat="server" />
            </div>
            <div class="col-md-4">
                <asp:Button ID="Button3" CssClass="btn btn-success" runat="server" Text="Upload" />
            </div>
        </div>
    </div>
    <asp:Button ID="pcancel" CssClass="btn btn-danger" runat="server" Text="Cancel" />
    <asp:Button ID="psubmit" CssClass="btn btn-success" runat="server" Text="Submit" />
    </div>
    <div class="col-md-3 mt-5">
        <asp:Image ID="Image1" runat="server" Height = "400" Width = "400" />
    </div>
</div>
</form>
<!-- #include file="includes/footer.aspx" -->
<!-- #include file="includes/ajs.aspx" -->
<script>
    <% If Session("error") IsNot Nothing Then %>
    swal("<%=Session("error") %>", "", "<%=Session("errorstatus") %>");
    <% End If %>
    <% Session("error") = Nothing
    Session("errorstatus") = Nothing %>
</script>
</body>
</html>

```

4. SYSTEM CONFIGURATION

4.1 Hardware requirements

RAM	Recommended 8.00 GB
Hard disk	260 GB
Processor	Intel(R) Core (TM) i3-1005G1
Processing speed	CPU @ 1.20 GHz, 1190 MHz

4.2 Software Requirements:

Front end	Visual Studio 2019
Back end	SQL SERVER
Tools	ASP.NET , VB.NET, HTML, CSS , Javascript
Operating System	Microsoft Windows 8 or later

5. DETAILS OF SOFTWARE

A development process consists of various phases, each phase ending with a defined output. The phases are performed in an order specified by the process model being followed. The main reason for having a phased process is that it breaks the problem of developing software into successfully performing a set of phase, each handling a different concern of software development.

This ensures that the cost of development is lower than what it would have been if the whole problem were tackled together. A phased development process is central to the software engineering approach for solving the software crisis

5.1 Overview of Front end

Microsoft Visual Studio is an integrated development environment (IDE) from Microsoft. It can be used to develop console and graphical user interface applications along with Windows Forms applications, web sites, web applications, and web services in both native code together with managed code for all platforms supported by Microsoft Windows, Windows Mobile, Windows CE,.NET Framework, .NET Compact Framework and Microsoft Silver light. Visual Basic 9.0 was released together with the Microsoft .NET Framework 3.5 on 19 November 2007. ASP.NET is a set of Web development tools offered by Microsoft. Programs like Visual Studio .NET and Visual Web Developer allow Web developers to create dynamic websites using a visual interface. ASP.NET also supports Visual Basic .NET, Jscript. .NET and open-source languages like Python and Perl. .NET provide a visual interface for developers to create their applications, which makes .NET a reasonable choice for designing Web-based interfaces as well. SQL Server is a relational database developed and sold by Microsoft. Originally bought from Sybase, Microsoft has released versions 6, 6.5, 7, 2000 and 2005. The Express Edition of SQL Server 2005 is used in the C++ and VB.

5.2 Overview of Back-end

Introduction to SQL Server 2008

The Structured Query Language (SQL) comprises one of the fundamental building blocks of modern database architecture. SQL defines the methods used to create and manipulate relational databases on all major platforms.

SQL comes in many flavors. Oracle databases utilize their proprietary PL / SQL. Microsoft SQL Server makes use of Transact – SQL. However, all of these variations are based upon the industry standard ANSI SQL.

SQL commands can be divided into two main sub languages. The Data Definition Language (DDL) contains the commands used to create and destroy databases and database objects. After the database structure is defined with DDL, database administrators and users can

utilize the Data Manipulation Language to insert, retrieve and modify the data contained within it.

SQL Server 2008 is a powerful tool for turning information into opportunity. Industry leading support for XML, enhanced tools for system management and tuning, and exceptional scalability and reliability make SQL Server 2000 the best choice for the agile enterprise.

5.3 About the Platform

Windows is a series of Operating Systems developed by Microsoft. Each version of Windows includes a Graphical User Interface, with a desktop that allows users to view files and folders in Windows. For the past two decades, Windows has been the most widely used operating system for personal computers PCs.

Microsoft Windows is designed for both home computing and professional purposes. Past versions of Windows home editions include Windows 3.0 (1990), Windows 3.1 (1992), Windows 95 (1995), Windows 98 (1998), Windows Me (2000), Windows XP (2001), and Windows Vista (2006). The current version, Windows 7, was released in 2009.

The first business-oriented version of Windows, called Windows NT 3.1, was in 1993. This was followed by Windows 3.5, 4.0, and Windows 2000. When Microsoft released Windows XP in 2001, the company simply created different editions of the operating system for personal and business purposes. Windows Vista and Windows 7 have followed the same release strategy.

Windows is designed to run on standard x86 hardware, such as Intel and AMD processors. Therefore, it can be installed on multiple brands of hardware, such as Dell, HP, and Sony computers, as well as home-built PCs. Windows 7 also includes several touch screen features, that allow the operating system to run on certain tablets and computers with touch screen displays. Microsoft's mobile operating system, Windows Phone, is designed specifically for smart phones and runs on several brands of phones, including HTC, Nokia, and Samsung.

.NET FRAMEWORK

.NET Framework (pronounced as "dot net") is a software framework developed by Microsoft that runs primarily on Microsoft Windows. It includes a large class library named Framework Class Library (FCL) and provides language interoperability (each language can use code written in other languages) across several programming languages. Programs written for .NET Framework execute in a software environment (in contrast to a hardware environment) named Common Language Runtime (CLR), an application virtual machine that provides services such as security, memory management, and exception handling. As such, computer code written using .NET Framework is called "managed code".

FCL provides user interface, data access, database connectivity, cryptography, web application development, numeric algorithms, and network communications. Programmers produce software by combining their source code with .NET Framework and other libraries. The framework is intended to be used by most new applications created for the Windows platform. Microsoft also produces an integrated development environment largely for .NET software called Visual Studio.

.NET Framework began as proprietary software, although the firm worked to standardize the software stack almost immediately, even before its first release. Despite the standardization efforts, developers, mainly those in the free and open-source software communities, expressed their unease with the selected terms and the prospects of any free and open-source implementation, especially regarding software patents. Since then, Microsoft has changed .NET development to more closely follow a contemporary model of a community developed software project, including issuing an update to its patent promising to address the concern.

6. TESTING

Testing is a vital part of software development, and it is important to start it as early as possible, and to make testing a part of the process of deciding requirements. To get the most useful perspective on your development project, it is worthwhile devoting some thought to the entire lifecycle including how feedback from users will influence the future of the application. The tools and techniques we've discussed in this book should help your team to be more responsive to changes without extra cost, despite the necessarily wide variety of different development processes. Nevertheless, new tools and process improvements should be adopted gradually, assessing the results after each step.

Testing is part of a lifecycle. The software development lifecycle is one in which you hear of a need, you write some code to fulfil it, and then you check to see whether you have pleased the stakeholders—the users, owners, and other people who have an interest in what the software does. Hopefully they like it, but would also like some additions or changes, so you update or augment your code; and so the cycle continues, or every few years,

SOFTWARE DEVELOPMENT LIFE CYCLE

Testing is a proxy for the customer. You could conceivably do your testing by releasing it into the wild and waiting for the complaints and compliments to come back. Some companies have been accused of having such a strategy as their business model even before it became fashionable. But on the whole, the books are better balanced by trying to make sure that the software will satisfy the customer before we hand it over. This portal “**COMPIFY**” is developed using Incremental Model and Spiral Model.

SOFTWARE TESTING TYPES:

1. FUNTIONAL TESTING

This type of testing ignores the internal parts and focus on the output is as per requirement or not.

They are:

Black box testing – Internal system design is not considered in this type of testing. Tests are based on requirements and functionality.

White box testing – This testing is based on knowledge of the internal logic of an application's code. Also known as Glass box Testing. Internal software and code working should be known for this type of testing. Tests are based on coverage of code statements, branches, paths, conditions.

Unit testing – Testing of individual software components or modules. Typically done by the programmer and not by testers, as it requires detailed knowledge of the internal program design and code. May require developing test drive modules or test harnesses.

System testing – Entire system is tested as per the requirements. Black-box type testing that is based on overall requirements specifications, covers all combined parts of a system.

Acceptance testing -Normally this type of testing is done to verify if system meets the customer specified requirements. User or customers do this testing to determine whether to accept application.

Alpha testing – In house virtual user environment can be created for this type of testing. Testing is done at the end of development. Still minor design changes may be made as a result of such testing.

2. NON-FUNCTIONAL TESTING

Security testing – Can system be penetrated by any hacking way. Testing how well the system protects against unauthorized internal or external access. Checked if system, database is safe from external attacks.

Usability testing – User-friendliness check. Application flow is tested, Can new user understand the application easily, Proper help documented whenever user stuck at any point, basically system navigation is checked in this testing.

7. CONCLUSION AND FUTURE ENHANCEMENT

The **COMPIFY** objective is to provide a platform which manages the details of products and cars. The customer will consume less amount of time when compared to manual shopping through the automated system. The system will take care of all the servicing activity in a quick manner.

It is user-friendly and easy to use even by an IT illiterate. The data is stored and cannot be accessed by everyone. Data is stored with high security.

Compify will be a website that will be used by people who need computer components.

The future releases of this web application will include more features from the software side, resulting in an easier working environment for the people working on this application. Auto filling of forms based on frequent customers, Cancel order, Tracking, and many more features that will help the user to perform their task quickly and more efficiently will be included.

8. BIBILIOGRAPHY

Book References:

1. ASP.NET Programming: Mastering Course for Beginners Quick Start to Develop Your Own App by Mitchell Schuler published by Createspace Independent Pub

Web References:

1. <https://www.javatpoint.com/asp-tutorial>
2. <https://developer.asp.com/codelabs/build-your-first-asp-webapp#0>
3. <https://www.tutorialspoint.com/aspnet/database.htm>
4. <https://www.youtube.com/>

9. APPENDICES A – Table Structure

Table Name: Users

Description: Contains user details along with login details

Column Name (Attributes)	Data Type	Constraints	Key	Description
ID	VARCHAR(50)	NOT NULL	PRIMARY KEY	Unique User ID
Name	VARCHAR(50)	NOT NULL	-	Name of the user
PHONE	INTEGER	NOT NULL	-	Phone number of users
Password	VARCHAR(50)	NOT NULL	-	Password for login
Email	VARCHAR(50)	NOT NULL	-	Email address of user
Address	VARCHAR(50)	NULL	-	Address of user
City	VARCHAR(50)	NULL	-	City of user
Subscription	VARCHAR(50)	NOT NULL	-	Subscription for offer
Role	VARCHAR(50)	NOT NULL	-	Role of user
Card_name	VARCHAR(50)	NOT NULL	-	Card holder name
Card_Number	INTEGER	NOT NULL	-	Card number
EXPIRY_DATE	DATE	NOT NULL	-	Expiry date of card

Table Name: Coupon

Description: Contains all the coupon available for user.

Column Name (Attributes)	Data Type	Constraints	Key	Description
COUPON_ID	INTEGER	NOT NULL	PRIMARY KEY	Coupon id
PRICE	INTEGER	NOT NULL	-	Amount to be discounted
COUPON_CODE	VARCHAR(50)	NOT NULL	-	Coupon code to avail
AVAILABLEFOR	VARCHAR(50)	NOT NULL	-	Coupon code availabe

Table Name: Product**Description: Contains all the product**

Column Name (Attributes)	Data Type	Constraints	Key	Description
PRODUCT_ID	INTEGER	NOT NULL	PRIMARY KEY	Product id
NAME	VARCHAR(50)	NOT NULL	-	Product name
CATEGORY	VARCHAR(50)	NOT NULL	-	Category of product
BRAND	VARCHAR(50)	NOT NULL	-	Brand of product
DESCRIPTION	VARCHAR(50)	NOT NULL	-	Description about product
PRICE	INTEGER	NOT NULL	-	Price of product
QUANTITY	INTEGER	NOT NULL	-	Number of product available
TOTAL	INTEGER	NOT NULL	-	Total amount of product
IMAGE	VARCHAR(50)	NOT NULL	-	Picture of product
DATE	DATE	NOT NULL	-	Date

Table Name: Cart**Description: Contains the highest and latest score of each user category wise**

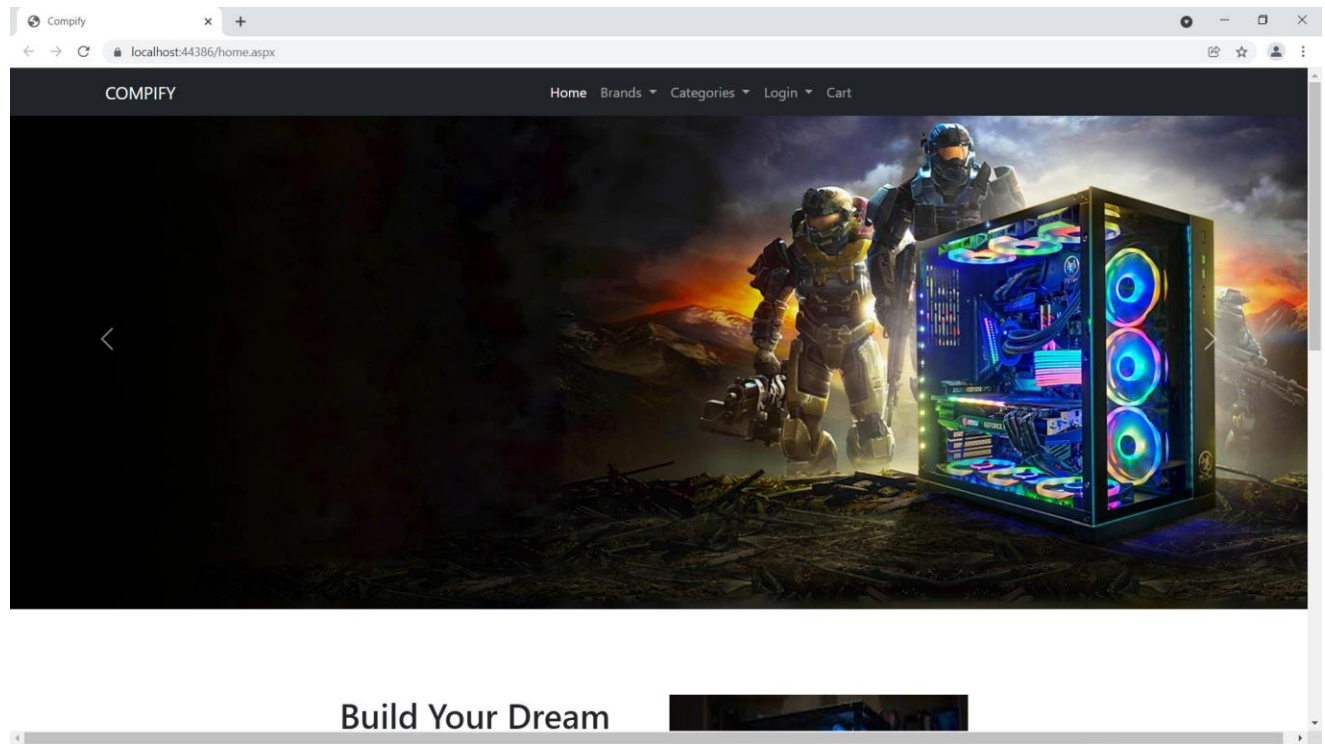
Column Name (Attributes)	Data Type	Constraints	Key	Description
CART_ID	TEXT	NOT NULL	PRIMARY KEY	Cart id
USER_ID	TEXT	NOT NULL	FOREIGN KEY	User id
PRODUCT_ID	INTEGER	NOT NULL	FOREIGN KEY	Product id
QUANTITY	INTEGER	NOT NULL	-	Quantity of product
STATUS	VARCHAR(50)	NOT NULL	-	Status of the cart
DATE	DATE	NOT NULL	-	Date of adding
TOTAL	INTEGER	NOT NULL	-	Total price of cart

Table Name: Orders**Description: Contains all the order details**

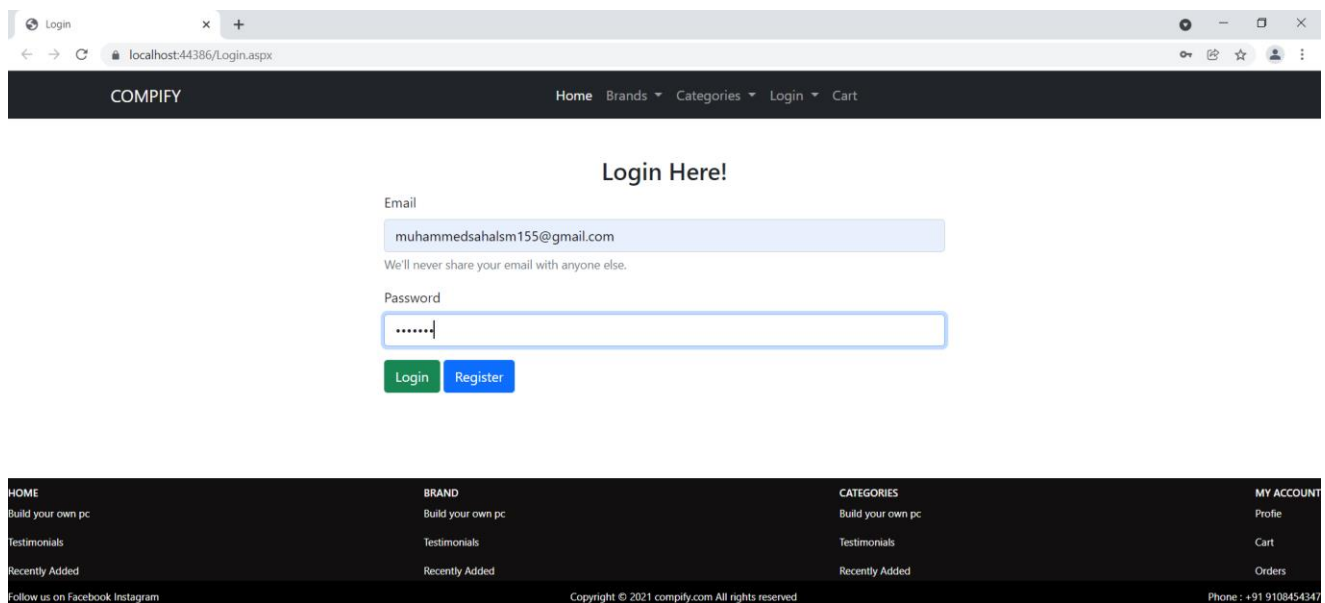
Column Name (Attributes)	Data Type	Constraints	Key	Description
ID	INTEGER	NOT NULL	PRIMARY KEY	Order id
ORDER_ID	INTEGER	NOT NULL	-	Users order id
USER_ID	INTEGER	NOT NULL	FOREIGN KEY	Users id
PRODUCT_ID	INTEGER	NOT NULL	FOREIGN KEY	Product id
COUPON_ID	INTEGER	NOT NULL	FOREIGN KEY	Coupon id
QUANTITY	INTEGER	NOT NULL	-	Quantity of product
TOTAL	INTEGER	NOT NULL	-	Total amount of product purchased
STATUS	VARCHAR(50)	NOT NULL	-	Status of order
DATE	DATE	NOT NULL	-	Date of order
ARRIVE_DATE	DATE	NOT NULL	-	Date of delivery
PAYMENT_METHODS	VARCHAR(50)	NOT NULL	-	Payment mode

10. APPENDICES B – SCREENSHOTS

Homepage:



Login page:



Registration page:

Register Here!

Full Name
pranjal

Email
pranjal@gmail.com
We'll never share your email with anyone else.

Phone Number
9986486496

Password

Confirm Password

[Submit](#) [Cancel](#)

HOME Build your own pc

BRAND Build your own pc

CATEGORIES Build your own pc

MY ACCOUNT Profile

Products page:

COMPIFY

Products

CATEGORY

Category

Brand

PERSONAL

Cart

Orders

pranjal

Logout

<p>mouse 1200</p> <p>View</p>	<p>Ryzen 5 3600 20000</p> <p>View</p>	<p>Ryzen 5 3700 122222</p> <p>View</p>	<p>ASUS B3030 18000</p> <p>View</p>	<p>DeepCool 3000</p> <p>View</p>
<p>AeroCool 5000</p> <p>View</p>	<p>Lian Li Q58 7500</p> <p>View</p>	<p>Crosair 9000</p> <p>View</p>	<p>ACER Z35B 50000</p> <p>View</p>	<p>ACER XB271HU 60000</p> <p>View</p>

View product page:

COMPIFY

Products

CATEGORY

Category

Brand

Brand

PERSONAL

Cart

Orders

pranjal

Logout

HP 25 X

Price : ₹ 90000

Description : This display has all the essentials for faster action. Enjoy smooth, stutter-free visuals that respond as fast as you do thanks to a 144Hz refresh rate and AMD® FreeSync™h2 technology, while the Full HDh3 screen delivers all your entertainment with vivid colors and crisp clarity.

Quantity : 1

Add to Cart

Cart page:

COMPIFY

Products

CATEGORY

Category

Brand

Brand

PERSONAL

Cart

Orders

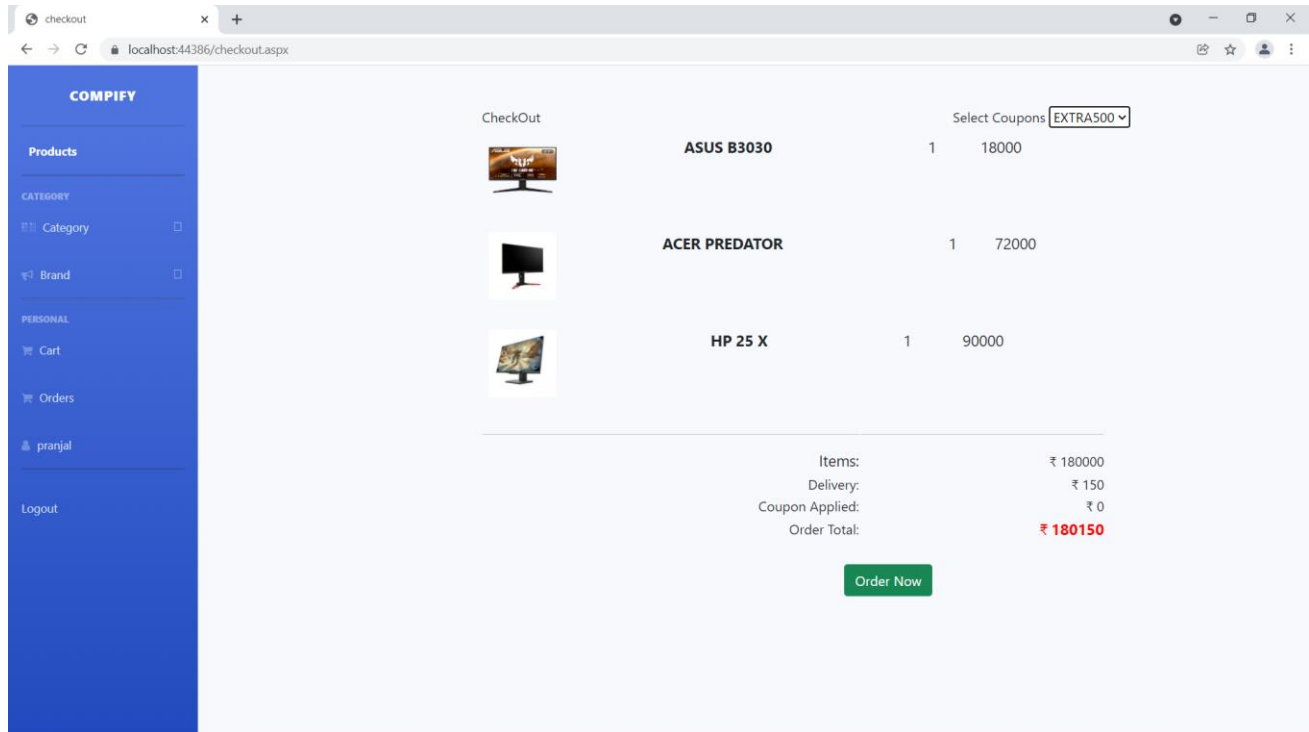
pranjal

Logout

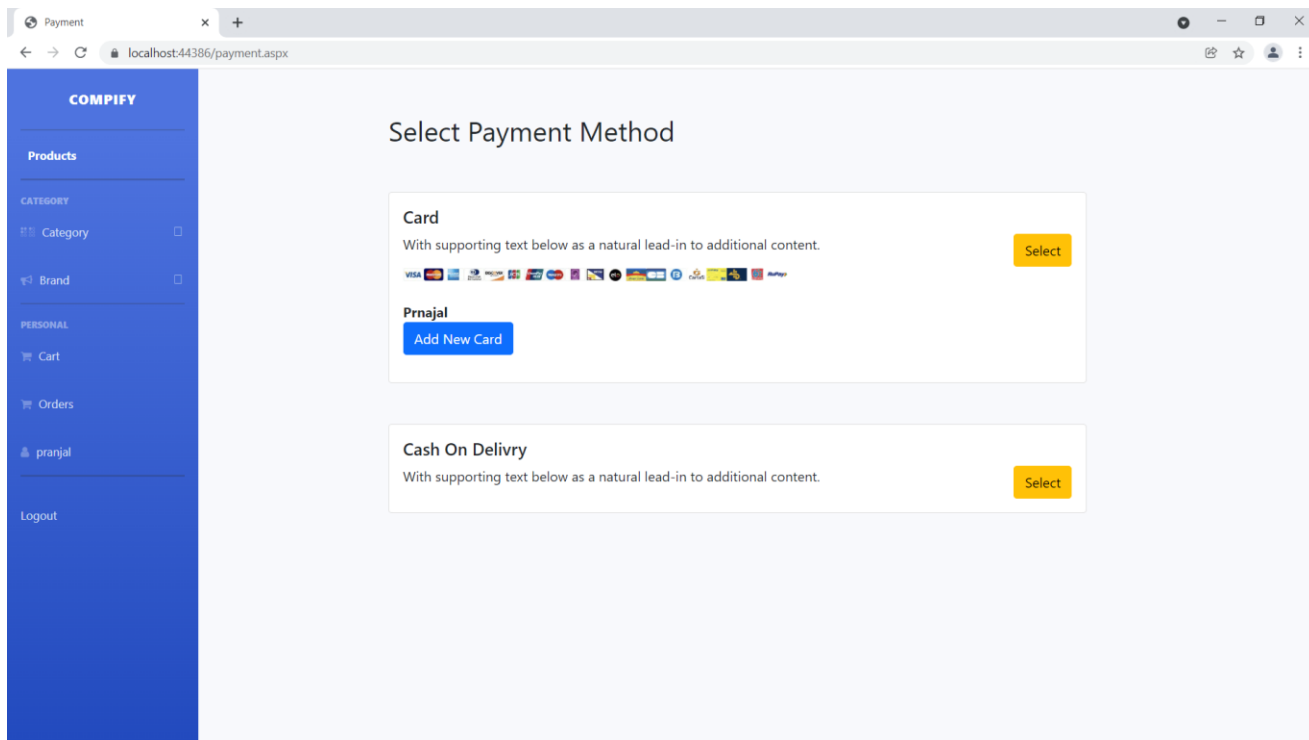
cart_id	Image	name	price	quantity	
51		ASUS B3030	18000	1	Delete Modify
53		ACER PREDATOR	72000	1	Delete Modify
54		HP 25 X	90000	1	Delete Modify

CheckOut

Checkout page:



Payment page:



Place order page:

COMPIFY

Products

CATEGORY

Category

Brand

PERSONAL

Cart

Orders

pranjai

Logout

Review Your Order

Reveiw

Shipping Address
pranjai
hal #21
karnataka
1234567890

Payment Method
CASH ON DELIVERY

Order Summary

Items	180000
Delivery	150
Coupon	500
Total	179650

Place Your Order

Delivery Date
23 November 2021

Order page:

COMPIFY

Products

CATEGORY

Category

Brand

PERSONAL

Cart

Orders

pranjai


Logout

order_id	items	total	date	arrivedate	status	
5	1	19950	17-11-2021 00:00:00	21-11-2021 00:00:00	DELIVERED	View
4	1	7150	17-11-2021 00:00:00	21-11-2021 00:00:00	DELIVERED	View
2	1	19950	16-11-2021 00:00:00	20-11-2021 00:00:00	DELIVERED	View
1	1	71650	16-11-2021 00:00:00	20-11-2021 00:00:00	DELIVERED	View

View order page:

View Order

localhost:44386/vieworder.aspx

Image	name	price	total	date	quantity	arrivedate	paymentmethod	status
	Ryzen 5 3600	20000	19950	17-11-2021 00:00:00	1	21-11-2021 00:00:00	CASH ON DELIVERY	DELIVERED

COMPIFY

Products

CATEGORY

Category

Brand

PERSONAL

Cart

Orders

pranjal

Logout

Profile page:

https://localhost:44386/profile.aspx

localhost:44386/profile.aspx

My Profile

Name: pranjal

Email: pranjal@gmail.com

Phone: 1234567890

City: karnataka

Address: hal #21

Edit

Subscribe

COMPIFY

Products

CATEGORY

Category

Brand

PERSONAL

Cart

Orders

pranjal

Logout

subscription page:

https://localhost:44386/subscribe.aspx

localhost:44386/subscribe.aspx

COMPIFY

Products

CATEGORY

Category

Brand

PERSONAL

Cart

Orders

pranjal

Logout

Select Payment Method

SUBSCRIPTION for life time only at ₹999/-

Card

With supporting text below as a natural lead-in to additional content.

PAY

Card Name

Card Name

Prnaja

Card Number

Card Number

123456789

We'll never share your Card Details with anyone else.

Expiry Date

Expiry Date

19-10-2023

CVV

CVV

123

Admin home page:

Admin Dashboard

localhost:44386/admin.aspx

COMPIFY ADMIN

Dashboard

INTERFACE

Products

Orders

Coupon

ADDONS

Users

Payments

Logout

15 Products

5 Orders

6 Coupons

3 Users

Copyright © CompiFY 2021

Add product page:

Dashboard

INTERFACE

- Products
- Orders
- Coupon

ADDONS

- Users
- Payments

Logout

Name

Ryzen 5 3600

Category

CPU Panel

Brand

Acer

Price

Quantity

Description

Default file input example

Choose File No file chosen Upload

Cancel Submit

Edit product page:

COMPIFY ADMIN

Dashboard





INTERFACE

- Products
- Orders
- Coupon

ADDONS

- Users
- Payments

Logout

Image	product_id	name	category	brand	description	price	quantity	total	date	
	23	mouse	Mouse	Acer	mouse	1200	18	30000	30-10-2021 00:00:00	Edit Delete
	24	Ryzen 5 3600	Processor	Acer	Ryzen 5 3600 dsfg d dfgsdg dsfg dfgs gsdg gdfs g dsf sfg df gdfs gdfs sg dfg dsf gsdg fg	20000	5	500000	31-10-2021 00:00:00	Edit Delete
	25	Ryzen 5 3700	Processor	Acer	adfs adf asdas asd	122222	2	244444	31-10-2021 00:00:00	Edit Delete
	26	ASUS B3030	Monitor	ASUS	monitor	18000	17	360000	08-11-2021 00:00:00	Edit Delete

Add coupon page:

add coupons x +

localhost:44386/addcoupons.aspx

COMPIFY ADMIN

Dashboard

INTERFACE

Products

Orders

Coupon

ADDONS

Users

Payments

Logout

Coupon price

Coupon Code

Available For?

Normal User

Submit Clear

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https://localhost:44386/adminusers.aspx

Edit coupon page:

coupons x +

localhost:44386/coupons.aspx

COMPIFY ADMIN

Dashboard

INTERFACE

Products

Orders

Coupon

ADDONS

Users

Payments

Logout

coupon_id	price	couponcode	availablefor		
1	150	150OFF	SUBSCRIBED	Edit	Delete
2	200	200OFF	NORMAL	Edit	Delete
3	100	OFF100	SUBSCRIBED	Edit	Delete
4	500	MEGA	SUBSCRIBED	Edit	Delete
5	200	NEW200	NORMAL	Edit	Delete
6	500	EXTRA500	NORMAL	Edit	Delete

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https://localhost:44386/adminusers.aspx

Orders page:

COMPIFY ADMIN

Dashboard

INTERFACE

Products

Orders

Coupon

ADDONS

Users

Payments

Logout

order_id	items	user_id	total	date	arrivedate	paymentmethod	status	
1	1	23	71650	16-11-2021 00:00:00	20-11-2021 00:00:00	CASH ON DELIVERY	DELIVERED	Delivered View
2	1	23	19950	16-11-2021 00:00:00	20-11-2021 00:00:00	CASH ON DELIVERY	DELIVERED	Delivered View
3	1	4	20000	17-11-2021 00:00:00	21-11-2021 00:00:00	CARD	DELIVERED	Delivered View
4	1	23	7150	17-11-2021 00:00:00	21-11-2021 00:00:00	CASH ON DELIVERY	DELIVERED	Delivered View
5	1	23	19950	17-11-2021 00:00:00	21-11-2021 00:00:00	CASH ON DELIVERY	DELIVERED	Delivered View

Copyright © CompiFY 2021

Users page:

COMPIFY ADMIN

Dashboard

INTERFACE

Products

Orders

Coupon

ADDONS

Users

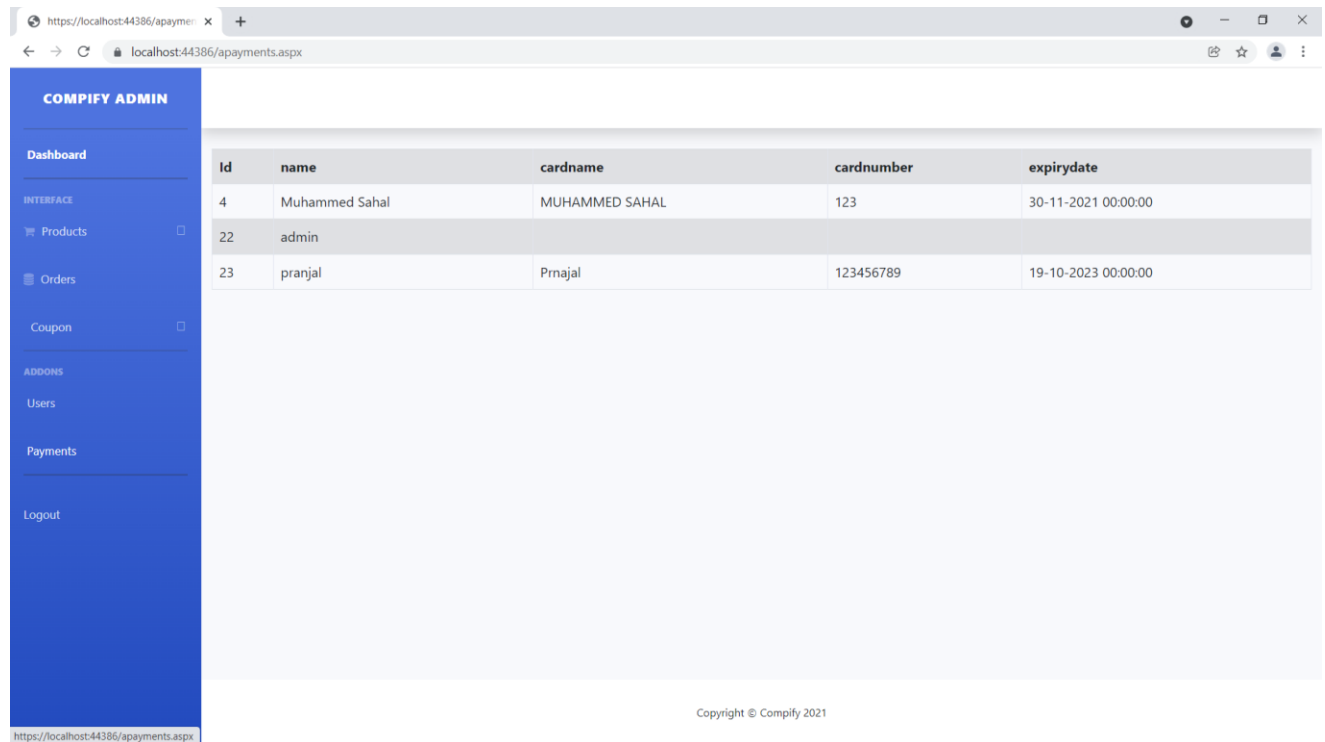
Payments

Logout

Id	name	email	phone	address	city	subscription
4	Muhammed Sahal	muhammedsahalsm155@gmail.com	123	#1,vinayakanagar,hal	bangalore	SUBSCRIBED
23	pranjal	pranjal@gmail.com	1234567890	hal #21	karnataka	NORMAL

ENG US 12:20 19-11-2021

Payment page:



The screenshot shows the CompiFY Admin interface. On the left is a blue sidebar with the following menu items: Dashboard, INTERFACE (Products, Orders, Coupon), ADDONS (Users), Payments, and Logout. The main content area displays a table of payment records. The table has five columns: Id, name, cardname, cardnumber, and expirydate. It contains three rows of data. At the bottom of the page, there is a copyright notice: Copyright © CompiFY 2021.

Id	name	cardname	cardnumber	expirydate
4	Muhammed Sahal	MUHAMMED SAHAL	123	30-11-2021 00:00:00
22	admin			
23	pranjal	Prnjal	123456789	19-10-2023 00:00:00

11. APPENDICES C – TEST CASES

Test ID	Test scenario Name	Test Data	Expected Result	Actual Result	Test status
T1	User login	User email is wrong and password is wrong	Error Message: Incorrect credentials	Error Message: Incorrect credentials	Pass
T2	User login	User email is wrong and password is correct	Error Message: Incorrect credentials	Error Message: Incorrect credentials	Pass
T3	User login	User email is correct and password is wrong	Error Message: Incorrect credentials	Error Message: Incorrect credentials	Pass
T4	User login	User email is correct and password is correct	Compify Home Page	User logged in compify Page	Pass
T5	User registration	User email wrong	Error Message: Invalid Email	Error Message: Invalid Email	Pass
T6	User registration	User Phone number is text	Error Message: Enter correct number	Error Message: Enter correct number	Pass
T7	User registration	User Name Is empty	Error Message: Enter proper name	Error Message: Enter proper name	Pass
T8	User registration	User password	Error Message: Enter proper password	Error Message: Enter proper Password	Pass
T9	User registration	User confirm password	Error Message: Password not matched	Error Message: Password not matched	Pass

T10	Payment	Enter holder Card Name	Error Message: Enter correct name	Error Message: Enter correct name	Pass
T11	Payment	Enter card number of 16 digit	Error Message: Enter correct card number	Error Message: Enter correct card number	Pass
T12	Payment	Enter expiry date	Error Message: Card expired	Error Message: Card expired	Pass
T13	Payment	Enter the CVV	Error Message: Enter correct cvv	Error Message: Enter correct cvv	Pass
T14	Coupon	Enter coupon code	Error Message: Enter valid coupon code	Error Message: Enter valid coupon code	Pass
T15	Coupon	Coupon available for	Error Message: Coupon code available for	Error Message: Coupon code available for	Pass
T16	Coupon	Coupon Price	Error!	Error!	Pass

12.APPENDICES D- SOURCE CODE

Place order vb page:

```
Imports System.Data.SqlClient
Imports System.IO
Public Class placeorder
    Inherits System.Web.UI.Page
    Dim con As New SqlConnection
    Dim con1 As New SqlConnection
    Dim cmd As New SqlCommand
    Dim cmd1 As New SqlCommand
    Dim order_id As Integer
    Dim constring As String = "Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=D:\Sahal\Compify\compify\compify\App_Data\Compify.mdf;Integrated Security=True"
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load
        If Session("userid") Is Nothing Then
            Session("message") = "Login to proceed"
            Session("status") = "warning"
            Response.Redirect("Login.aspx")
        End If
        Label2.Text = Session("name")
        deliverydate.Text = DateTime.Now.AddDays(4).ToString("D")
        itemsprice.Text = Session("itemstotal")
        delivery.Text = "150"
        coupon.Text = Session("coupons")
        If Session("coupons") Is Nothing Then
            coupon.Text = "None"
        End If
        total.Text = Val(Session("total")) - Val(Session("coupons"))
        ' Try
        con = New SqlConnection(constring)
        con.Open()
        cmd.Connection = con
        Dim userid As Integer = Session("userid")
        cmd.CommandText = "SELECT * FROM users WHERE id = " & userid & " "
        Dim sda As SqlDataAdapter = New SqlDataAdapter(cmd)
        Dim table As DataTable = New DataTable()
        sda.Fill(table)
        If (table.Rows.Count > 0) Then
            Dim dr As SqlDataReader
            dr = cmd.ExecuteReader
            Do While dr.Read
                If IsDBNull(dr("address")) Then
                    Response.Redirect("updateaddress.aspx")
                End If
                Address.Text = dr("address")
                City.Text = dr("city")
                PhoneNumber.Text = dr("phone")
                If Session("paymentmethod") = "CARD" Then
                    cardname.Text = dr("cardname")
                    cardnumber.Text = dr("cardnumber")
                    expdate.Text = dr("expirydate")
                End If
            End While
        End If
    End Sub
End Class
```

```

        End If
        paymentmethod.Text = Session("paymentmethod")
    Loop
    dr.Close()
Else
    Session("message") = "error"
    Session("status") = "error"
    Response.Redirect("home.aspx")
End If
con.Close()
' Catch ex As Exception
' Session("message") = "Some Error"
' Session("status") = "error"
' Response.Redirect("home.aspx")
' End Try
End Sub
Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    order()
End Sub
Sub order()
    Try
        findOrderId()
        Dim userid As Integer = Session("userid")
        con = New SqlConnection(constring)
        con.Open()
        cmd.Connection = con
        cmd.CommandText = "SELECT * FROM cart WHERE user_id = '" & Session("userid") & "' AND status = 'PENDING'"
        Dim sda As SqlDataAdapter = New SqlDataAdapter(cmd)
        Dim table As DataTable = New DataTable()
        sda.Fill(table)
        If (table.Rows.Count > 0) Then
            Dim dr1 As SqlDataReader
            Dim da As New SqlDataAdapter
            con1 = New SqlConnection(constring)
            dr1 = cmd.ExecuteReader
            Do While dr1.Read
                Dim product_id As Integer = Val(dr1("product_id"))
                Dim quantity As Integer = Val(dr1("quantity"))
                Dim coupon_id As Integer = Val(1)
                con1.Open()
                cmd1.Connection = con1
                cmd1.CommandText = "INSERT INTO
orders(order_id,user_id,product_id,coupon_id,quantity,total,date,arrivedate,paymentmethod)VALUES(" & order_id & ", " &
userid & ", " & product_id & ", " & coupon_id & ", " & quantity & ", " & total.Text & ", '" + DateTime.Now.ToString("D") +
"', '" + DateTime.Now.AddDays(4).ToString("D") + "', '" + paymentmethod.Text + "'"
                cmd1.ExecuteNonQuery()
                con1.Close()
                removequantity(product_id, quantity)
            Loop
            dr1.Close()
            Session("message") = "Order Placed!"
            Session("status") = "success"
            updatecart()
            Response.Redirect("product.aspx")
        End If
    Catch ex As Exception
        Session("message") = "Some Error"
        Session("status") = "error"
        Response.Redirect("home.aspx")
    End Try
End Sub

```

```

Else
    Session("message") = "Oops, Something went wrong"
    Session("status") = "error"
    Response.Redirect("product.aspx")
End If
con.Close()
' Catch ex As Exception
' Session("error") = ex.ToString
' Response.Redirect("home.aspx")
' End Try
End Sub
Protected Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
    order()
End Sub
Sub findOrderId()
    con = New SqlConnection(constring)
    con.Open()
    cmd.Connection = con
    cmd.CommandText = "SELECT TOP 1 order_id FROM orders ORDER BY id DESC"
    Dim sda As SqlDataAdapter = New SqlDataAdapter(cmd)
    Dim table As DataTable = New DataTable()
    sda.Fill(table)
    If (table.Rows.Count > 0) Then
        Dim dr1 As SqlDataReader
        dr1 = cmd.ExecuteReader
        Do While dr1.Read
            order_id = Val(dr1("order_id")) + 1
        Loop
        dr1.Close()
    Else
        order_id = 1
    End If
    con.Close()
End Sub
Sub removequantity(product_id As Integer, quantity As Integer)
    con = New SqlConnection(constring)
    con.Open()
    cmd.Connection = con
    cmd.CommandText = "SELECT quantity FROM product WHERE product_id = '" & product_id & "'"
    Dim sda As SqlDataAdapter = New SqlDataAdapter(cmd)
    Dim table As DataTable = New DataTable()
    sda.Fill(table)
    If (table.Rows.Count > 0) Then
        Dim dr1 As SqlDataReader
        dr1 = cmd.ExecuteReader
        Do While dr1.Read
            quantity = Val(dr1("quantity")) - Val(quantity)
        Loop
        dr1.Close()
    End If
    con.Close()
    con = New SqlConnection(constring)
    con.Open()
    cmd.Connection = con
    cmd.CommandText = "UPDATE product SET quantity = '" & quantity & "' WHERE product_id = '" & product_id & "'"
    cmd.ExecuteNonQuery()

```

```

        con.Close()
    End Sub
    Sub updatecart()
        con = New SqlConnection(constring)
        con.Open()
        cmd.Connection = con
        cmd.CommandText = "UPDATE cart SET status = 'ORDERED' WHERE user_id = " & Session("userid") & ""
        cmd.ExecuteNonQuery()
        con.Close()
    End Sub
End Class

```

Login page :

```

Imports System.Data
Imports System.Data.SqlClient
Public Class login
    Inherits System.Web.UI.Page
    Dim con As New SqlConnection
    Dim cmd As New SqlCommand
    Dim constring As String = "Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=D:\Sahal\Compify\compify\compify\App_Data\Compi
fy.mdf;Integrated Security=True"
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
    End Sub
    Protected Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
        Response.Redirect("register.aspx")
    End Sub
    Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        checkvalidation()
        con = New SqlConnection(constring)
        con.Open()
        cmd.Connection = con
        cmd.CommandText = "SELECT * FROM users WHERE email = '" + TextBox1.Text + "' AND
password = '" + TextBox2.Text + "'"
        Dim sda As SqlDataAdapter = New SqlDataAdapter(cmd)
        Dim table As DataTable = New DataTable()
        sda.Fill(table)
        If (table.Rows.Count > 0) Then
            Dim dr As SqlDataReader
            dr = cmd.ExecuteReader
            Do While dr.Read
                Session("userid") = dr("id")
                Session("role") = dr("role")
                Session("subscription") = dr("subscription")
                Session("name") = dr("name")
            Loop
            dr.Close()
            TextBox1.Text = ""
            TextBox2.Text = ""
            Session("message") = "Logged In Successfully"
            Session("status") = "success"
            If Session("role") = 1 Then

```

```

        Response.Redirect("home.aspx")
    Else
        Response.Redirect("admin.aspx")
    End If
Else
    TextBox1.Text = ""
    TextBox2.Text = ""
    Session("userid") = Nothing
    Session("role") = Nothing
    Session("name") = Nothing
    Session("message") = "Wrong Password or Gmail!"
    Session("status") = "error"
    Response.Redirect("login.aspx")
End If
con.Close()
End Sub
Sub checkvalidation()
    If TextBox1.Text = "" Or TextBox2.Text = "" Then
        Session("message") = "Enter All the fieds"
        Session("status") = "warning"
        Response.Redirect("login.aspx")
    End If
End Sub
End Class

```

Register form:

```

Imports System.Data.SqlClient
Public Class register
    Inherits System.Web.UI.Page
    Dim con As New SqlConnection
    Dim cmd As New SqlCommand
    Dim constring As String = "Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=D:\Sahal\Compify\compify\compify\App_Data\Compi
fy.mdf;Integrated Security=True"
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
    End Sub
    Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        checkvalidation()
        con = New SqlConnection(constring)
        con.Open()
        cmd.Connection = con
        cmd.CommandText = "INSERT INTO users(name,email,phone,password)VALUES(' +
TextBox1.Text + ',' + TextBox2.Text + ',' + TextBox5.Text + ',' + TextBox3.Text + ')"
        Dim da As New SqlDataAdapter
        da.InsertCommand = cmd
        If da.InsertCommand.ExecuteNonQuery() Then
            Session("message") = "Registered Successfully"
            Session("status") = "success"
            Response.Redirect("login.aspx")
        Else
            Session("message") = "Oops, Something went wrong!"
            Session("status") = "error"
        End If
    End Sub
End Class

```

```

        Response.Redirect("home.aspx")
    End If
    con.Close()
End Sub
Protected Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
    TextBox1.Text = ""
    TextBox2.Text = ""
    TextBox3.Text = ""
    TextBox4.Text = ""
    TextBox5.Text = ""
End Sub
Sub checkvalidation()
    If TextBox1.Text = "" Or TextBox2.Text = "" Or TextBox3.Text = "" Or TextBox4.Text = "" Or TextBox5.Text = "" Then
        Session("error") = "Enter All the fieds"
        Session("errorstatus") = "warning"
        Response.Redirect("register.aspx")
    ElseIf TextBox3.Text <> TextBox4.Text Then
        Session("error") = "Enter correct password"
        Session("errorstatus") = "warning"
        Response.Redirect("register.aspx")
    ElseIf TextBox5.Text.Length < 10 Or TextBox5.Text.Length > 10 Then
        Session("error") = "Enter correct phone number"
        Session("errorstatus") = "warning"
        Response.Redirect("register.aspx")
    End If
End Sub
End Class

```

Subscribe page:

```

Imports System.Data.SqlClient
Public Class subscribe
    Inherits System.Web.UI.Page
    Dim con As New SqlConnection
    Dim cmd As New SqlCommand
    Dim constring As String = "Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=D:\Sahal\Compify\compify\compify\App_Data\Compi
fy.mdf;Integrated Security=True"
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
        If Session("userid") Is Nothing Then
            Session("message") = "Login to proceed"
            Session("status") = "warning"
            Response.Redirect("Login.aspx")
        End If
        con = New SqlConnection(constring)
        Dim userid As Integer = Session("userid")
        con.Open()
        cmd.Connection = con
        cmd.CommandText = "SELECT * FROM users WHERE id = '" & userid & "'"
        Dim sda As SqlDataAdapter = New SqlDataAdapter(cmd)
        Dim table As DataTable = New DataTable()
        sda.Fill(table)
    End Sub
End Class

```

```

If (table.Rows.Count > 0) Then
    Dim dr As SqlDataReader
    dr = cmd.ExecuteReader
    Do While dr.Read
        If IsDBNull(dr("cardname")) Then
            Label2.Visible = False
        Else
            Label2.Visible = True
            cardname.Text = dr("cardname")
            cardnumber.Text = dr("cardnumber")
            expdate.Text = dr("expirydate")
        End If
    Loop
    dr.Close()
Else
    Response.Redirect("login.aspx")
End If
con.Close()
End Sub
Protected Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
    checkvalidate()
    Dim userid As Integer = Session("userid")
    con = New SqlConnection(constring)
    con.Open()
    cmd.Connection = con
    cmd.CommandText = "UPDATE users SET subscription='SUBSCRIBED', cardname='" +
cardname.Text + "', cardnumber = '" & cardnumber.Text & "', expirydate = '" + expdate.Text +
"' WHERE id = '" & userid & "' "
    cmd.ExecuteNonQuery()
    con.Close()
    Session("subscription") = "SUBSCRIBE"
    Response.Redirect("profile.aspx")
End Sub
Sub checkvalidate()
    If cardname.Text = "" Or cardname.Text = "" Or expdate.Text = "" Or cvv.Text = "" Then
        Session("error") = "Enter All the fieds"
        Session("errorstatus") = "warning"
        Response.Redirect("subscribe.aspx")
    End If
End Sub
End Sub
End Class

```

Update profile:

```
Imports System.Data.SqlClient
Public Class updateaddress
    Inherits System.Web.UI.Page
    Dim con As New SqlConnection
    Dim cmd As New SqlCommand
    Dim constring As String = "Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=D:\Sahal\Compify\compify\compify\App_Data\Compi
fy.mdf;Integrated Security=True"
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
        If Session("userid") Is Nothing Then
            Session("message") = "Login to proceed"
            Session("status") = "warning"
            Response.Redirect("Login.aspx")
        End If
    End Sub
    Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        Dim userid As Integer = Session("userid")
        con = New SqlConnection(constring)
        con.Open()
        cmd.Connection = con
        cmd.CommandText = "UPDATE users SET address='" + TextBox1.Text + "', city = '" +
TextBox2.Text + "' WHERE id = '" & userid & "' "
        cmd.ExecuteNonQuery()
        con.Close()
        Response.Redirect("profile.aspx")
    End Sub
End Class
```

Add coupons:

```
Imports System.Data.SqlClient
Public Class addcoupons
    Inherits System.Web.UI.Page
    Dim con As New SqlConnection
    Dim cmd As New SqlCommand
    Dim constring As String = "Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=D:\Sahal\Compify\compify\compify\App_Data\Compi
fy.mdf;Integrated Security=True"
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
        If Session("role") = 1 Or Session("role") Is Nothing Then
            Session("message") = "Login to proceed"
            Session("status") = "warning"
            Response.Redirect("login.aspx")
        End If
    End Sub
    Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        Try
            checkvalidate()
            con = New SqlConnection(constring)
            con.Open()
        End Try
    End Sub
End Class
```



```

        cmd.Connection = con
        cmd.CommandText = "INSERT INTO coupons(price,couponcode,availablefor)VALUES(" &
        TextBox1.Text & "," & TextBox2.Text & "," & DropDownList1.SelectedValue.ToString & ")"
        Dim da As New SqlDataAdapter
        da.InsertCommand = cmd
        da.InsertCommand.ExecuteNonQuery()
        con.Close()
        ' Catch ex As Exception
        ' Session("error") = ex.ToString
        ' Response.Redirect("home.aspx")
        ' End Try
    End Sub
    Sub checkvalidate()
        If TextBox1.Text = "" Or TextBox2.Text = "" Then
            Session("error") = "Enter All the fieds"
            Session("errorstatus") = "warning"
            Response.Redirect("addcoupons.aspx")
        End If
    End Sub
End Class

```

Add products:

```

Imports System.IO
Imports System.Data.SqlClient
Public Class addproducts
    Inherits System.Web.UI.Page
    Dim con As New SqlConnection
    Dim cmd As New SqlCommand
    Dim constring As String = "Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=D:\Sahal\Compify\compify\compify\AppData\Compi
fy.mdf;Integrated Security=True"
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
        If Session("role") = 1 Or Session("role") Is Nothing Then
            Session("message") = "Login to proceed"
            Session("status") = "warning"
            Response.Redirect("login.aspx")
        End If
    End Sub
    Protected Sub Button3_Click(sender As Object, e As EventArgs) Handles Button3.Click
        Dim folderPath As String = Server.MapPath("~/Files/")

        'Check whether Directory (Folder) exists.
        If Not Directory.Exists(folderPath) Then
            'If Directory (Folder) does not exists Create it.
            Directory.CreateDirectory(folderPath)
        End If
        'Save the File to the Directory (Folder).
        pimage.SaveAs(folderPath & Path.GetFileName(pimage.FileName))

        'Display the Picture in Image control.
        Image1.ImageUrl = "~/Files/" & Path.GetFileName(pimage.FileName)
    End Sub

```

```

Protected Sub psubmit_Click(sender As Object, e As EventArgs) Handles psubmit.Click
    checkvalidate()
    Try
        con = New SqlConnection(constring)
        con.Open()
        cmd.Connection = con
        Dim total As Integer
        Dim date1 As Date = Date.Now.Date
        Dim path As String = ""
        total = Val(pprice.Text) * Val(pquantity.Text)
        cmd.CommandText = "INSERT INTO
product(name,category,brand,description,price,quantity,total,image,date)VALUES('" + pname.Text
+ "','" + pcategories.Text + "','" + pbrands.Text + "','" + pdescription.Text + "','" +
pprice.Text + "','" + pquantity.Text + "','" & total & "','" & Image1.ImageUrl.ToString &
"', '" + DateTime.Now.ToString("D") + "'" & " )"
        Dim da As New SqlDataAdapter
        da.InsertCommand = cmd
        da.InsertCommand.ExecuteNonQuery()
        con.Close()
    Catch ex As Exception
        Session("error") = ex.ToString
        Response.Redirect("addproducts.aspx")
    End Try
    If Session("error") Is Nothing Then
        Response.Redirect("addproducts.aspx")
    End If
End Sub
Sub checkvalidate()
    If pname.Text = "" Or pprice.Text = "" Or pquantity.Text = "" Or pdescription.Text =
"" Or Image1.ImageUrl = Nothing Then
        Session("error") = "Enter All the fieds"
        Session("errorstatus") = "warning"
        Response.Redirect("addproducts.aspx")
    End If
End Sub
End Class

```

Checkout page:

```

Imports System.Data.SqlClient
Public Class checkout
    Inherits System.Web.UI.Page
    Dim con As New SqlConnection
    Dim cmd As New SqlCommand
    Dim constring As String = "Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=D:\Sahal\Compify\compify\compify\App_Data\Compi
fy.mdf;Integrated Security=True"
    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles
Me.Load
        If Session("userid") Is Nothing Then
            Session("message") = "Login to proceed"
            Session("status") = "warning"
            Response.Redirect("Login.aspx")
        End If
        Session("itemstotal") = 0
    End Sub
End Class

```

```

'Try
con = New SqlConnection(constring)
con.Open()
cmd.Connection = con
Dim user As Integer = Session("userid")
cmd.CommandText = "SELECT product.price, cart.quantity FROM cart INNER JOIN product On
cart.product_id = product.product_id INNER JOIN users On cart.user_id = users.Id WHERE
(cart.status = 'PENDING') And (cart.user_id = '" & user & "') ORDER BY cart.Date"
Dim sda As SqlDataAdapter = New SqlDataAdapter(cmd)
Dim table As DataTable = New DataTable()
sda.Fill(table)
If (table.Rows.Count > 0) Then
    Dim dr As SqlDataReader
    dr = cmd.ExecuteReader
    Do While dr.Read
        Session("itemstotal") = Val(Session("itemstotal")) + (dr("price") *
dr("quantity"))
        Session("total") = Val(Session("itemstotal")) + 150
    Loop
    dr.Close()
Else
    Response.Redirect("login.aspx")
End If
con.Close()
con = New SqlConnection(constring)
con.Open()
cmd.Connection = con
cmd.CommandText = "SELECT couponcode,price FROM coupons WHERE availablefor='" +
Session("subscription") + "'"
Dim sda1 As SqlDataAdapter = New SqlDataAdapter(cmd)
Dim table1 As DataTable = New DataTable()
sda1.Fill(table1)
If (table1.Rows.Count > 0) Then
    Dim dr1 As SqlDataReader
    dr1 = cmd.ExecuteReader
    Do While dr1.Read
        DropDownList1.Items.Add(New ListItem("'" + dr1("couponcode") + "'", "" &
dr1("price") & ""))
    Loop
    dr1.Close()
Else
    Response.Redirect("login.aspx")
End If
con.Close()
' Catch ex As Exception
'Session("error") = ex.ToString
'Response.Redirect("home.aspx")
' End Try
End Sub
Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    Session("coupons") = DropDownList1.SelectedValue
    Response.Redirect("payment.aspx")
End Sub

End Class

```