Project Report on Online Survey tool

Submitted by

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ABSTRACT

This project focuses on the development of an online survey tool website designed to facilitate the creation, distribution, and analysis of surveys. The platform provides users with a user-friendly interface to design customized questionnaires, select from various question types, and share surveys through multiple channels. The tool includes real-time analytics and reporting features, allowing users to gain insights from survey responses instantly. Additionally, the website incorporates data security measures to ensure the privacy of respondents. This project aims to simplify the survey process for

individuals, organizations, and researchers by offering an efficient, scalable, and intuitive online solution.

The online survey tool website enhances the survey creation and data analysis process, offering a seamless experience for users across various domains. Its versatility and real-time analytics make it an invaluable resource for gathering actionable insights while maintaining high standards of data privacy and security. With further enhancements and features, this tool has the potential to become an essential platform for research, customer feedback, and decision-making.

CHAPTER :1

INTRODUCTION

1.1Overview:

The online survey tool website is an intuitive platform designed to streamline the process of creating, distributing, and analyzing surveys. Aimed at individuals, businesses, and researchers, the platform offers a range of features that make survey creation simple and efficient. Users can easily design surveys with customizable question types (such as multiple choice, open-ended, rating scales, etc.), and share them through email, social media, or embedded links.

The tool also provides powerful analytics that enable users to view survey results in real-time, with options to generate detailed reports and export data for further analysis. Built with a focus on user experience, the website features a clean, responsive interface that works seamlessly across devices, ensuring that users can manage their surveys on the go.

Security and data privacy are top priorities, with built-in encryption and compliance with industry standards to protect respondent information. The website is scalable to accommodate both small-scale surveys and large-scale data collection projects, making it a versatile tool for various applications, from academic research to market research, employee feedback, and customer satisfaction surveys.

In summary, this online survey tool provides a comprehensive, user-friendly solution for anyone looking to collect valuable data, analyze results, and make informed decisions based on real-time feedback.

1.2 MOTIVATION FOR WORK:

The motivation behind developing the online survey tool website stems from the growing need for efficient, accessible, and reliable methods to collect and analyze data. In an increasingly data-driven world, organizations, businesses, researchers, and even individuals often require quick and cost-effective ways to gather feedback, conduct market research, or assess public opinion. Traditional survey methods, which often involve paper forms or manual data entry, are time-consuming, error-prone, and inefficient, especially as the scale of data collection grows.

Existing survey tools, while functional, often lack the flexibility, ease of use, or advanced analytics required by a diverse range of users. Additionally, many platforms are either overly complex for casual users or too simplistic for professionals needing in-depth data analysis. There is a clear gap in the market for a tool that balances simplicity with sophistication, allowing anyone—from beginners to experienced researchers—to create, distribute, and analyze surveys without a steep learning curve.

Furthermore, concerns about data privacy and security have become more pronounced as online platforms collect vast amounts of personal and sensitive information. This project aims to address these concerns by implementing robust security measures and ensuring compliance with data protection regulations, allowing users to collect responses with confidence that their data is safe.

Ultimately, the motivation is to provide a solution that empowers users to make informed decisions through the power of survey data, whether for business insights, academic research, customer feedback, or personal projects. By offering a flexible, user-friendly, and secure platform, the goal is to help people easily gather and act upon the insights that will drive progress and innovation.

1.3 PROBLEM STATEMENT:

Organizations need an efficient, user-friendly way to design, distribute, and analyze surveys, but traditional methods are time-consuming and error-prone. Existing tools often lack flexibility, real-time analytics, or easy customization. The challenge is to

develop an online survey tool that simplifies the survey process, provides secure data handling, and delivers insights quickly, making it easier for businesses, researchers, and educators to collect and analyze feedback effectively.

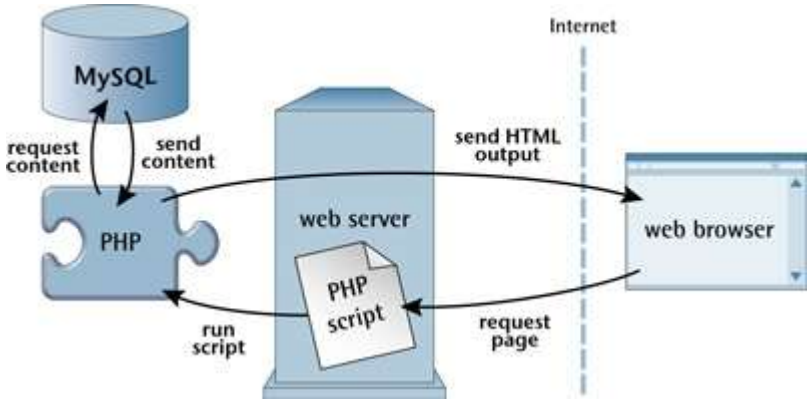
1.4 Scope of the Project:

This project will create an online survey tool that allows users to easily design, distribute, and analyze surveys. It will include features like customizable question types, survey logic, mobile compatibility, real-time data collection, and secure storage. Users will have access to visual analytics and export options (CSV, Excel, PDF), along with an admin dashboard for managing surveys and team roles. The tool will support third-party integrations and be scalable, secure, and user-friendly, targeting businesses, researchers, and educators. Advanced AI analysis, offline surveys, and multilingual support will not be included.

1.5 Aim of Project:

The aim of the project is to develop an easy-to-use online survey tool that enables users to create, distribute, and analyze surveys efficiently, providing secure data collection, real-time analytics, and seamless integration with other platforms.

CHAPTER:2
PROJECT DESCRIPTION



2.1**BACKEND (SERVER-SIDE):-**

Building websites and web apps has always been done using server-side rendering, also referred to as back-end web development. When we access a page, we send a request for data to the server, which processes it and sends back a response to the browser. All the activities required to build an HTML page that the web browser can understand are carried out on the remote server that houses the website or web application when a website renders server-side. This entails processing any required logic as well as information queries from databases for that web application. While it waits for the distant server to finish processing the request and provide the response, the web browser on the other end sits idle. When a response is sent, web browsers interpret it and show the material on the screen.

2.2**FRONTEND (CLIENT-SIDE):-**

Client-side rendering, often known as front-end development, is a new style of site rendering that is employed in contemporary apps. JavaScript, which is now the de facto standard web language, is used to render the content on your computer as opposed to a distant web server in clientside rendering. In actuality, this indicates that a browser is responsible for generating the HTML output of the web application and that a server is only needed to provide the raw web application. Additionally, it shows that a piece of the presentation logic—the reasoning used to create a web page and display it to the user on the screen—is handled on the client-side. With the introduction of JavaScript libraries like Angular, React, and Vue, client-side rendering became more common.

CHAPTER:3

SYSTEM ANALYSIS

2.3 Hardware and Software Requirement

Development/Testing:

- **Processor:** Dual-core (Intel i5/Ryzen 5+)
- **RAM:** 8 GB
- **Storage:** 250 GB SSD
- **Internet:** Stable connection

Production (Live Deployment):

- **Processor:** Multi-core (Intel Xeon or AMD EPYC)

- **RAM:** 16 GB+
- **Storage:** 500 GB SSD+
- **Bandwidth:** 1Gbps (or higher for traffic)
- **Backup Solutions:** Regular backups (cloud or on-premise)

Cloud Alternatives:

- **AWS/Google Cloud/Azure:** Use scalable VMs, managed databases (RDS, Cloud SQL), and block storage.

Software Requirements:

Web Server:

- **Apache** or **Nginx** (for static content)
- **Node.js** or **IIS** (for dynamic content)

Database:

- **MySQL** or **PostgreSQL** for SQL storage

Back-End Technologies:

- **Node.js** with **Express**
- **Python** (Django/Flask)
- **PHP** (Laravel)
- **Java** (Spring Boot)

Front-End Technologies:

- **HTML5**, **CSS3** (Bootstrap)
- **JavaScript**, **React.js**, or **Vue.js** for dynamic UI

Authentication:

- **JWT** or **OAuth2** (Google/Facebook login)

Development Tools:

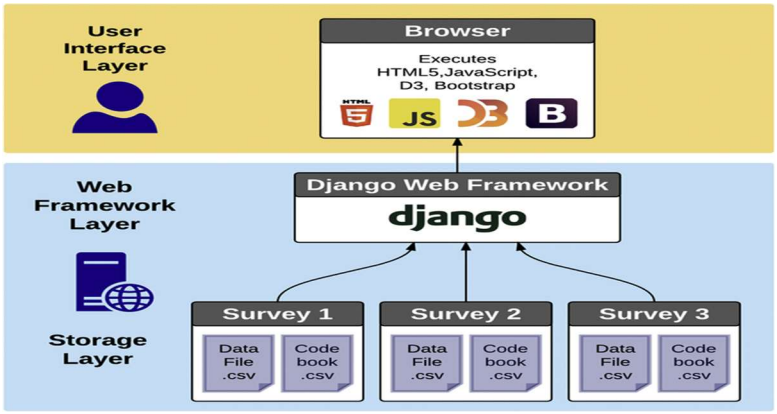
- **IDE:** Visual Studio Code
- **Version Control:** Git

- **CI/CD:** Jenkins, GitHub Actions

Security:

- **SSL/TLS Encryption**
- **Firewall** and **CSRF Protection**
- **SQL Injection Prevention**

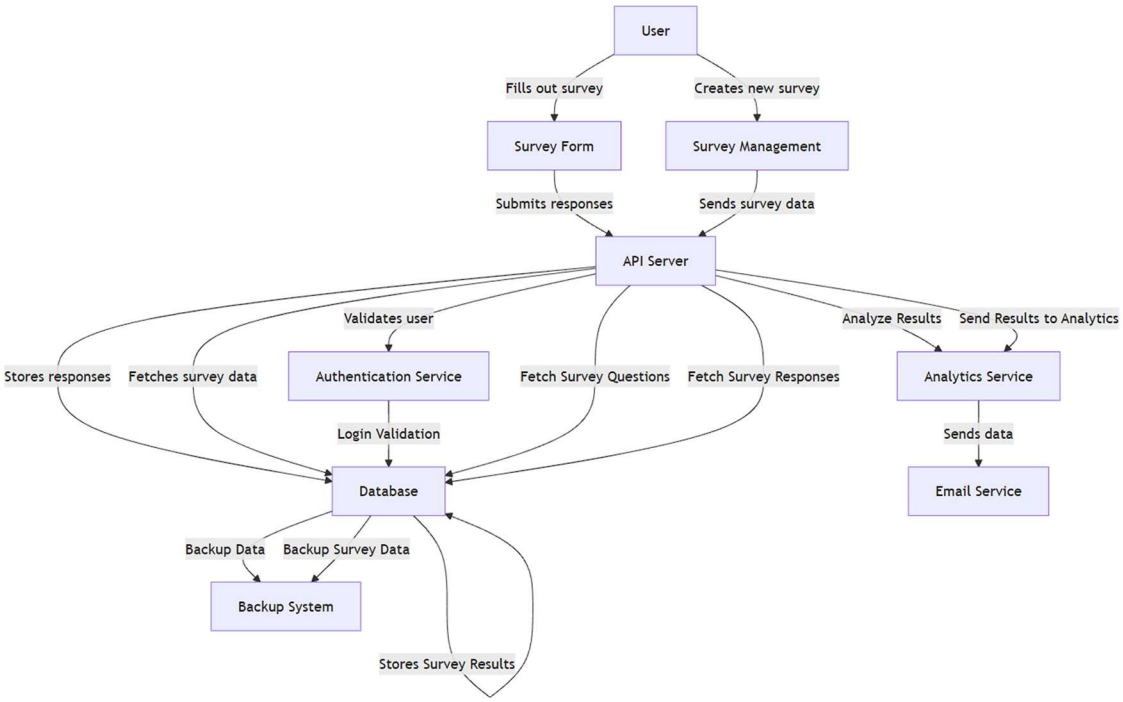
3.1.1 Architecture Diagram:



The architecture of the Online Survey Tool is designed to allow users to create and fill out surveys. The user interacts with the front-end, which sends their responses to the server for processing. The server handles user logins and stores survey data securely in a database.

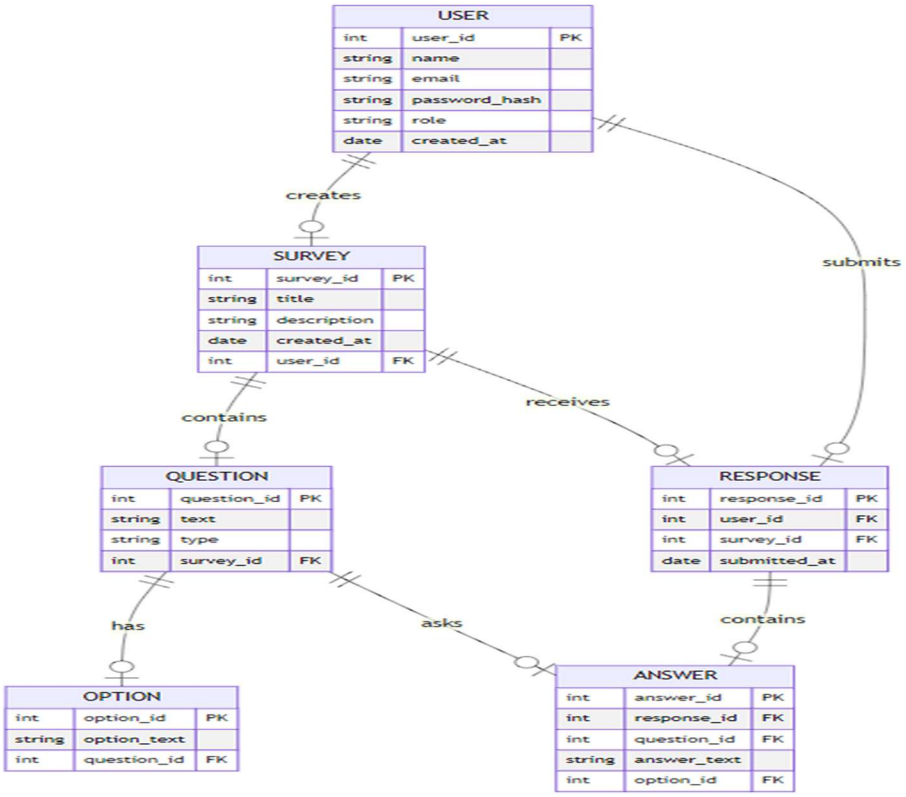
Additional services include sending email notifications, analyzing survey results, and speeding up data retrieval with caching. The system is backed up regularly and protected by security measures. Everything runs on cloud infrastructure, ensuring that the tool is scalable, reliable, and secure, with options for users to log in via their Google or Facebook accounts.

3.1.2 Data flow Diagram:



A data-flow diagram (DFD) is a graphical representation of the "flow" of data through information system. DFDs can also be used for the visualization of data processing (structured design). On a DFD, data items flow from an external data source or an internal data store to an internal data store or an external data sink, via an internal process. A DFD provides no information about the timing or ordering of processes, or about whether the flow processes will operate in sequence or in parallel. It is therefore quite different from a flowchart, which shows of control through an algorithm, allowing a reader to determine what operations will be performed, in what order, and under what circumstances, but not what kinds of data will be input to and output from the system, nor where the data will come from and go to, nor where the data will be stored (all of which are shown on a DFD).

3.1.3 ER-Diagram:



In software engineering, an Entity-Relationship Model (ERM) is an abstract and conceptual representation of data. Entity-relationship modeling is a database modeling method, used to produce a type of conceptual schema or semantic data model of a system, often a relational database, and its requirements in a top-down fashion.

CHAPTER: 4 THEORETICAL ANALYSIS

4.1 Introduction to Tools used in Project

HTML :

HTML means Hypertext mark-up language .HTML is method of describing the format of document, which allows them to be viewed on the computer screen . HTML documents are dis-played by web browser, programs which can navigate across networks and display a wide variety of types of information.HTML page can be developed to be a simple text or to be complex multimedia containing sound, moving ,images, virtual reality, and java applets. The global publishing format is HTML. It allows authors to use not only text but also format that text with heading, lists, and tables .Readers can access the pages of information from anywhere in the world at a click of mouse button.HTML pages can also be used for entering the data as a front end for commercial transactions.

For Example:

This is a sample code of html which is used to make a login form .

```
<!DOCTYPE html>
<html>
<head>
<title>sample </title>
</head>
<body>

<input type="text" placeholder="Email" name="email" id="type">

<input type="password"placeholder="*****" name="password" id="type">

<td align="center"><input type="submit" value="Login" name="submit"
id="btn"> </body>
```

```
</html>
```

4.1.2 Introduction of CSS

Cascading Style Sheets, fondly referred to as CSS, is a simply designed language intended to simplify the process of making web pages presentable. CSS allows you to apply styles to web pages. More importantly, CSS enables you to do this independent of the HTML that makes up each web page.

Advantages of CSS

1. Greater consistency in design.
2. Ease of presenting different styles to different viewers.

Friendly Environment

Creating a form, adding controls to form and writing code behind the form are all managed within a friendly Environment.

For Example:

Inside the html message body if we insert the code of CSS inside the head with <style> tag like :

```
.message-body{
    margin-top: 20px;
    width: 30%;
    padding: 5px;
}
.message-window{
    padding: 20px;
    border: 1px solid grey;
    border-radius: 20px;
    width: 100%;
    height: 80%;
```

```
}
li{
    display: inline-block;
    vertical-align: middle;
}
.message-account-profpic-online{
    height: 70px;
    margin-right: 10px;
    border: 2px solid green;
    border-radius: 360px;
}
.message-account-profpic-offline{
    height: 70px;
    margin-right: 10px;
    border: 2px solid gray;
    border-radius: 360px;
}
.message-window-head{
    padding: 10px;
    width: 100%;
    border-bottom: 3px solid #13239ac0;
    margin-bottom: 10px;
}
.message-window-message-box{
    overflow-y: auto;
```

```
    height: 80%;
    max-height: 80%;
}
.message-window-message-display-box{
    padding-top: 5px;
    padding-bottom: 5px;
}
.message-window-message-display-box-message{
    border-left: 2px solid #13239ac0;
    padding-left: 10px;
}
.message-window-input-message{
    position:unset;
    top: 1%;
}
.message-window-input-message input{
    text-align: left;
    width: 90%;
    height:30px;
    margin-left: 5%;
    margin-right: 5%;
    padding: 20px;
    border-radius: 360px;
}
.theme-button{
```

```
    height: 35px;
    width: 35px;
    border: dashed #ffffff3d 0.5px;
    background-color: #2058d100;
    border-radius: 360px;
    padding: 5px;
    margin-top: 22px;
  }
@media(max-width: 720px) {
    .message-body{
        width: 90%;
    }
    .message-window-message-box{
        height: 75%;
        max-height: 75%;
        font-size: 15px;
    }
            .message-window-input-message{
        margin-top: 5px;
    }
}
.menu-icon{
    height: 15px;
    width: 15px;
    vertical-align: middle;
```

```
        margin-right: 5px;

        margin-left: 5px;

    }
```

JAVASCRIPT :

Java Script is a fairly simple language ,which is only suitable for fairly simple tasks. The language is best suited for the task, behind finding the java script is to find the language which could be used to provide client side browser application but which was not as complicated as Java. Java Script is Netscape cross platform object oriented scripting language. Core Java Script contains a core set of objects such as array, date and Math and a core set of language elements such as operators, control structure and statements. It is mainly used here for validation. JavaScript is a lightweight, interpreted programming language. It is designed for creating network-centric applications. It is compliments,
to integrate with Java. JavaScript is very easy to implement because it is integrated with HTML. It is open and unlike images, applets are dynamic and interactive. Applets can be used to create animation.

For Example:

This is a sample code of javascript which is used to make a login form .

```
// Check button in mobile view
const menuBTN = document.querySelector('.menu-btn');
const menuItems = document.querySelector('.menu-items');

function toggleBtn() {
   menuBTN.classList.toggle("change");
   menuItems.classList.toggle("active");
}

menuBTN.addEventListener('click', toggleBtn);

// JavaScript code for the lightbox feature
      function openLightbox(imageSrc) {
         var lightboxOverlay = document.getElementById('lightbox-overlay');
         var lightboxImage = document.getElementById('lightbox-image');

         lightboxImage.src = imageSrc;
```

```
        lightboxOverlay.style.display = 'block';
    }

    function closeLightbox() {
        var lightboxOverlay = document.getElementById('lightbox-overlay');
        lightboxOverlay.style.display = 'none';
    }

    document.addEventListener("DOMContentLoaded", function() {
        var images = document.querySelectorAll('.feed-post-display-box-image img');

        images.forEach(function(image) {
            image.addEventListener('click', function() {
                openLightbox(this.src);
            });
        });
    });

//Dark theme code


function changeTheme() {
    const theme = document.getElementById("theme");
    const themeIcon = document.getElementById("theme-icon");
    //console.log('theme:',theme.getAttribute("href").includes("darktheme_css"));
    if (theme.getAttribute("href").includes("darktheme_css")) {
        theme.setAttribute("href", "style/lighttheme_css/light_feed.css");
        themeIcon.setAttribute("src", "img/dark_img/MoonIcon.png");
    } else {
        theme.setAttribute("href", "style/darktheme_css/dark_feed.css");
        themeIcon.setAttribute("src", "img/dark_img/SunIcon.png");
    }
}

function changeAccountTheme() {
    const theme = document.getElementById("theme");
    const themeIcon = document.getElementById("theme-icon");
    //console.log('theme:',theme.getAttribute("href").includes("darktheme_css"));
    if (theme.getAttribute("href").includes("darktheme_css")) {
        theme.setAttribute("href", "style/lighttheme_css/light_account.css");
```

```
        themeIcon.setAttribute("src", "img/dark_img/MoonIcon.png");
    } else {
        theme.setAttribute("href", "style/darktheme_css/dark_account.css");
        themeIcon.setAttribute("src", "img/dark_img/SunIcon.png");
    }
}

function changeIndexTheme() {
    const theme = document.getElementById("theme");
    const themeIcon = document.getElementById("theme-icon");
    //console.log('theme:',theme.getAttribute("href").includes("darktheme_css"));
    if (theme.getAttribute("href").includes("darktheme_css")) {
        theme.setAttribute("href", "style/lighttheme_css/light_style.css");
        themeIcon.setAttribute("src", "img/dark_img/MoonIcon.png");
    } else {
        theme.setAttribute("href", "style/darktheme_css/dark_style.css");
        themeIcon.setAttribute("src", "img/dark_img/SunIcon.png");
    }
}


function changeMessageTheme() {
    const theme = document.getElementById("theme");
    const themeIcon = document.getElementById("theme-icon");
    //console.log('theme:',theme.getAttribute("href").includes("darktheme_css"));
    if (theme.getAttribute("href").includes("darktheme_css")) {
        theme.setAttribute("href", "style/lighttheme_css/light_message.css");
        themeIcon.setAttribute("src", "img/dark_img/MoonIcon.png");
    } else {
        theme.setAttribute("href", "style/darktheme_css/dark_message.css");
        themeIcon.setAttribute("src", "img/dark_img/SunIcon.png");
    }
}
```

MERN Stack :-

MERN stack is a framework used for creating websites (web app development). MongoDB, ExpressJS, ReactJS, and NodeJS make up its functional components. The specific role of each of these elements while creating a web application are listed below:

- **MongoDB**: The application data is stored in this document- oriented, No-SQL database.
- **NodeJS**: This is the JavaScript runtime environment that is used to run the JavaScript code on the machine itself, instead of a browser.
- **ExpressJS**: It is a framework that sits atop NodeJS and is used to create a website's backend using NodeJS functions and structures. NodeJS was created to run JavaScript on computers, not to create websites, so ExpressJS was created to fill that gap.
- **ReactJS**: It is a library that Facebook built. It is used to build the UI elements that go into a single page web application's user interface. The user interacts with the ReactJS UI components in the front-end of the application, which is situated in the browser. The backend of this application, which is located on a server, is served by ExpressJS, which is built upon NodeJS.

A request to change data is sent to the Express server, which is built on NodeJS, after any interaction. When necessary, Express fetches information from the MongoDB database and sends it to the application's front end, where it is shown to the user.

A single-page web application (SPA) or website interacts with the user and dynamically updates the current web page rewriting the new or modified data from the web server, in contrast to the traditional practices of a web browser loading entirely new pages. The webpage will transition more quickly to boost the appearance of a native app. As opposed to the traditional way, all essential HTML, JavaScript, and CSS code is either fetched by the browser with a single page load or the required resources are dynamically updated and loaded to the webpage as needed, generally in reaction to user activities. A SPA never refreshes the page. Even using the tools mentioned above, it is difficult to build a high-performing app that is fast, responsive, user-friendly by design and secure, maintaining user integrity and security.

PHP TRIAD:

PHP Triad installs a complete working PHP/MySQL server environment on Windows platforms (9x/ NT). Installs PHP, MySQL, Apache, and PHPMyAdmin. PHP is a scripting language originally designed for producing dynamic web pages. It has evolved to include a command line interface capability and can be

used in standalone graphical applications. While PHP was originally created by RasmusLerdorf in 1995, the main implementation of PHP is now produced by ThePHP Group and serves as the de facto standard for PHP as there is no formal specification. PHP is free software released under the PHP License, however it is incompatible with the GNU General Public License.(GPL), due to restrictions on the usage of the term PHP. It is a widely-used general-purpose scripting language that is especially suited for web development and can be embedded into HTML. It generally runs on a web server, taking PHP code as its input and creating web pages as output. It can be deployed on most web servers.

4.1.4 PHP Syntax:

HTML, the PHP code is enclosed within <? Php ?> Tags.

For example:

```
<html>
<head>
<title>php sample</title>
<body
<h2>Hello<
/h2> <?php
echo
“hello”; ?>
</body>
</html>
```

In the above example PHP code is embedded within HTML. In this way the PHP and HTML coding is combined on the same page.

4.1.5 Working with PHP:

When a client requests web page containing PHP code from the server, then the requested PHP pages are passed under PHP environment and interaction with database is made if required. After server side processing, the resulting HTML pages are passed to client and displayed on the browser. In this way the working of PHP is complete.

Fig 4.1. Working In PHP

4.1.6 Connecting PHP Application with MySQL Database ▪

```
// database connection for Online survey tool

$host = "localhost";

$user = "root";

$pswd = "";

$db = " Survey tool ";

// create connect to db

$connection = mysqli_connect($host, $user, $pswd, $db);

?>
```

4.1.7 Introduction to MySQL:

MySQL is a Relational Database Management System (RDBMS) that runs as a server providing multi-user access to a number of databases. MySQL is pronounced (“My S-Q-L”)

MySQL development project has made its source available under the terms of General Public License. MySQL is owned and sponsored by a single for profit firm, the Swedish company MySQL AB, now owned by Sun Microsystem, a subsidiary of Oracle Corporation.

MySQL works on many different system platforms including AIX, BSD i, FreeBSD, HP-UX, i5/OS, Linux, Mac OS X, Net BSD, Novell NetWare, Open BSD, Open Solaris, e com Station , OS/2 Wrap, QNX, IRIX, Solaris, Symbian, SunOS, SCO Open Server, SCO Unix Ware, Sanos, Tru64 and Microsoft Windows. A port of MySQL

to Open VMS also exits. All major programming languages with language-specific APIs include Libraries for accessing MySQL database. In addition, an ODBC interface called MYODBC allows additional programming languages that supports the ODBC interface to communicate with a MySQL database, such as ASP or ColdFusion. MySQL server and official libraries are mostly implemented in ANSI C/ ANCI C++.

CHAPTER 5:

KEY FEATURES

1) **User Authentication:** Allows users to register, log in, and manage profiles, with role-based access for different permissions (e.g., admin vs. survey creator).
2) **Survey Creation & Customization:** Users can create, edit, and customize surveys with various question types (multiple choice, text, ratings), including themes and branding**.**
3) **Real-Time Analytics & Reporting:** Provides real-time survey data analysis with visual charts, downloadable reports, and response filtering.
4) **Email Notifications:** Sends invitations, reminders, and confirmation emails, ensuring users stay informed about survey participation and results.
5) **Security Features:** Implements security measures like HTTPS, CSRF protection, SQL injection prevention, and data encryption to ensure privacy and integrity.

CHAPTER 6:

RESULT AND DISCUSSION

6.1 Discussion of Code segment

```
 <!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Survey World - Online Survey Platform</title>
  <link rel="stylesheet" href="style.css">
```

```
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.0.0-beta3/css/all.min.css">
</head>
<body>

  <!-- Header Section -->
  <header class="header">
    <div class="container header-container">
      <h1 class="logo">Survey World</h1>
      <nav>
        <ul class="nav-links">
          <li><a href="#">Examples & Templates</a></li>
          <li><a href="#">Pricing & Features</a></li>
          <li><a href="#">Blog</a></li>
          <li><a href="#">Help</a></li>
        </ul>
      </nav>
      <div class="auth-buttons">
        <button class="login-btn">Log In</button>
        <button class="signup-btn">Sign Up</button>
      </div>
    </div>
  </header>

  <section class="hero">
    <div class="container hero-content">
      <div class="hero-text">
        <h2>A powerful online survey platform</h2>
        <p>Create, share, and analyze surveys easily with Survey World. Get
started today and see real-time responses.</p>
        <button class="cta-btn"
onclick="location.href='survey_creation.html'">Create Survey</button>
      </div>
      <div class="hero-image">
        <img src="https://i.ibb.co/LrjPw2k/pexels-kelly-1179532-23848569.jpg"
alt="People using Survey World">
      </div>
    </div>
  </section>


  <!-- Statistics & Features Section -->
  <section class="stats-features">
    <div class="container">
      <div class="stats">
```

```
        <h2>Over 10,000,000 surveys created!</h2>
        <p>Join millions of users who trust Survey World for creating surveys
that make a difference.</p>
      </div>

      <div class="features">
        <div class="feature-item">
          <i class="fas fa-poll"></i>
          <h3>Polls</h3>
          <p>Create interactive polls to gather instant feedback.</p>
        </div>
        <div class="feature-item">
          <i class="fas fa-question-circle"></i>
          <h3>Questions</h3>
          <p>Choose from various question types to suit your survey needs.</p>
        </div>
        <div class="feature-item">
          <i class="fas fa-image"></i>
          <h3>Image Surveys</h3>
          <p>Add images to your surveys to make them more engaging.</p>
        </div>
        <div class="feature-item">
          <i class="fas fa-paint-brush"></i>
          <h3>Custom Themes</h3>
          <p>Customize your surveys with themes that match your brand.</p>
        </div>
        <div class="feature-item">
          <i class="fas fa-mobile-alt"></i>
          <h3>Responsive Layout</h3>
          <p>Surveys that look great on any device, mobile or desktop.</p>
        </div>
        <div class="feature-item">
          <i class="fas fa-robot"></i>
          <h3>AI-Powered Surveys</h3>
          <p>Leverage AI to create surveys that are insightful and dynamic.</p>
        </div>
      </div>
    </div>
  </section>

  <!-- Customer Success Stories Section -->
  <section class="success-stories">
    <div class="container">
      <h2>Customer Success Stories</h2>
      <p>Discover how top brands grow and innovate with Survey World</p>
```

```
      <div class="stories-container">
        <div class="story-card">
          <img src="https://via.placeholder.com/150" alt="Golden State Warriors">
          <h3>The Golden State Warriors</h3>
          <p>Learn how a top NBA team makes strategic decisions to achieve even
greater levels of success.</p>
          <button class="story-btn">View success story</button>
        </div>

        <div class="story-card">
          <img src="https://via.placeholder.com/150" alt="ClickUp">
          <h3>ClickUp</h3>
          <p>Learn how a SaaS software company launched a multimillion-dollar
commercial with confidence.</p>
          <button class="story-btn">View success story</button>
        </div>

        <div class="story-card">
          <img src="https://via.placeholder.com/150" alt="Sakura">
          <h3>Sakura</h3>
          <p>Learn how a 100-year-old art products company uses feedback to test,
optimize, and understand.</p>
          <button class="story-btn">View success story</button>
        </div>
      </div>
    </div>
  </section>

  <!-- Footer Section -->
  <footer class="footer">
    <div class="container">
      <p>&copy; 2024 Survey World. All rights reserved.</p>
    </div>
  </footer>

</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Previous Surveys - Survey World</title>
  <link rel="stylesheet" href="style.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0-
beta3/css/all.min.css">
</head>
<body>

  <section class="previous-surveys">
    <div class="container">
      <h2>Previous Surveys</h2>
      <ul class="survey-list">
        <li>Customer Satisfaction Survey</li>
        <li>Employee Engagement Survey</li>
        <li>Product Feedback Survey</li>
        <li>Market Research Survey</li>
        <li>Brand Awareness Survey</li>
        <li>Website Usability Survey</li>
        <li>Customer Service Experience Survey</li>
        <li>Event Feedback Survey</li>
        <li>Employee Wellness Survey</li>
        <li>Customer Loyalty Survey</li>
        <li>Shopping Experience Survey</li>
        <li>Employee Satisfaction Survey</li>
        <li>Social Media Engagement Survey</li>
        <li>Health & Fitness Survey</li>
        <li>Community Engagement Survey</li>
        <li>School Climate Survey</li>
        <li>Consumer Buying Behavior Survey</li>
        <li>Travel Experience Survey</li>
        <li>Workplace Diversity Survey</li>
        <li>Survey of Online Shopping Preferences</li>
        <li>Tech Product Feedback Survey</li>
        <li>Customer Retention Survey</li>
        <li>Sustainability and Eco-Friendly Practices Survey</li>
        <li>Consumer Financial Behavior Survey</li>
        <li>Public Opinion Poll Survey</li>
      </ul>
      <button onclick="goBack()">Back to Survey Creation</button>
    </div>
  </section>

  <script src="script.js"></script>
</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Create a Survey - Survey World</title>
  <link rel="stylesheet" href="style.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.0.0-
beta3/css/all.min.css">
</head>
<body>

  <section class="survey-options">
    <div class="container">
      <h2>Create Your Survey</h2>
      <div class="options">
        <button class="option-btn" onclick="showSurveyForm()">Create Surveys</button>
        <button class="option-btn" onclick="goToPreviousSurveys()">Previous Surveys</button>
        <button class="option-btn">Answer Surveys</button>
      </div>

      <div id="surveyForm" class="survey-form" style="display:none;">
        <h3>Add Your Questions</h3>
        <form id="createSurveyForm" onsubmit="addQuestion(); return false;">
          <label for="questionText">Question Text</label>
          <input type="text" id="questionText" placeholder="Enter your question" required>

          <label for="questionType">Question Type</label>
          <select id="questionType" onchange="addOptions()">
            <option value="text">Text</option>
            <option value="multiple-choice">Multiple Choice</option>
            <option value="rating">Rating Scale</option>
            <option value="dropdown">Dropdown</option>
          </select>

          <div id="optionsContainer" style="display:none;">
            <label>Options</label>
            <div id="optionsList"></div>
            <button type="button" onclick="addOptionField()">Add Option</button>
          </div>

          <button type="submit">Add Question</button>
```

```
        </form>

        <div id="questionsPreview" class="questions-preview">
          <h3>Survey Preview</h3>
          <ul id="questionList"></ul>
          <button onclick="generateShareLink()">Generate Shareable Link</button>
        </div>
      </div>
    </div>
  </section>

  <div id="sharePopup" class="share-popup" style="display:none;">
    <div class="popup-content">
      <span class="close-btn" onclick="closePopup()">&times;</span>
      <h3>Share Your Survey</h3>
      <p>Copy this link to share your survey:</p>
      <input type="text" id="shareLink" readonly>
    </div>
  </div>

  <script src="script.js"></script>
</body>
</html>


/* General Styles */
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: Arial, sans-serif;
}

body {
    color: #03045e;
}

.container {
    width: 90%;
    max-width: 1200px;
    margin: 0 auto;
}

/* Header Styles */
```

```
.header {
    background-color: #90e0ef;
    padding: 1rem 0;
}

.header-container {
    display: flex;
    align-items: center;
    justify-content: space-between;
}

.logo {
    font-size: 1.5rem;
    color: #03045e;
}

.nav-links {
    list-style: none;
    display: flex;
    gap: 1.5rem;
}

.nav-links a {
    text-decoration: none;
    color: #03045e;
}

.auth-buttons button {
    margin-left: 1rem;
}

/* Hero Section */
.hero {
    display: flex;
    align-items: center;
    padding: 2rem 0;
}

.hero-content {
    display: flex;
    align-items: center;
    flex-wrap: wrap;
}
```

```
.hero-text {
    flex: 1;
}

.cta-btn {
    background-color: #00b4d8;
    color: #fff;
    padding: 0.75rem 1.5rem;
    border: none;
    cursor: pointer;
    border-radius: 5px;
}

/* Features Section */
.stats-features {
    background-color: #caf0f8;
    padding: 2rem 0;
    text-align: center;
}

.features {
    display: flex;
    flex-wrap: wrap;
    gap: 1rem;
    justify-content: center;
}

.feature-item {
    background-color: #fff;
    border-radius: 8px;
    padding: 1rem;
    width: 200px;
    text-align: center;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
}

.feature-item i {
    font-size: 2rem;
    color: #0077b6;
    margin-bottom: 0.5rem;
}

/* Customer Success Stories Section */
.success-stories {
```

```
    padding: 3rem 0;
    text-align: center;
    background-color: #e0f7fa;
}

.success-stories h2 {
    font-size: 2rem;
    color: #023e8a;
    margin-bottom: 0.5rem;
}

.success-stories p {
    color: #03045e;
    margin-bottom: 2rem;
}

.stories-container {
    display: flex;
    gap: 1rem;
    flex-wrap: wrap;
    justify-content: center;
}

.story-card {
    background-color: #fff;
    border-radius: 8px;
    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
    width: 300px;
    padding: 1rem;
    text-align: left;
    transition: transform 0.3s ease;
}

.story-card img {
    width: 100%;
    border-radius: 5px;
}

.story-card h3 {
    color: #023e8a;
    margin-top: 1rem;
    font-size: 1.2rem;
}
```

```
.story-card p {
    color: #03045e;
    margin: 0.5rem 0;
}

.story-btn {
    background-color: #0096c7;
    color: #fff;
    border: none;
    padding: 0.5rem 1rem;
    border-radius: 5px;
    cursor: pointer;
}

/* Footer */
.footer {
    background-color: #90e0ef;
    padding: 1rem 0;
    text-align: center;
    color: #03045e;
}
/* Styles for Survey Options and Form */
.survey-options {
    padding: 3rem 0;
    background-color: #caf0f8;
    text-align: center;
  }

  .options {
    display: flex;
    justify-content: center;
    gap: 1rem;
  }

  .option-btn {
    padding: 0.75rem 1.5rem;
    background-color: #0096c7;
    color: #fff;
    border: none;
    border-radius: 5px;
    cursor: pointer;
  }

  .survey-form {
```

```
  margin-top: 2rem;
  text-align: left;
}

.survey-form h3 {
  color: #023e8a;
}

.option-input {
  display: block;
  margin: 0.5rem 0;
  padding: 0.5rem;
  width: 100%;
  border: 1px solid #ccc;
  border-radius: 5px;
}

.questions-preview {
  margin-top: 2rem;
}

.questions-preview h3 {
  color: #023e8a;
}

#questionList {
  list-style-type: none;
  padding: 0;
}

#questionList li {
  padding: 0.5rem 0;
}

.star-rating {
  color: #ffd700;
}

.share-popup {
  position: fixed;
  top: 0;
  left: 0;
  width: 100%;
  height: 100%;
```

```
    background: rgba(0, 0, 0, 0.5);
    display: flex;
    justify-content: center;
    align-items: center;
  }

  .popup-content {
    background: #fff;
    padding: 2rem;
    border-radius: 8px;
    text-align: center;
    width: 300px;
  }

  .close-btn {
    position: absolute;
    top: 10px;
    right: 10px;
    font-size: 1.5rem;
    cursor: pointer;
  }
/* Styles for Previous Surveys Page */
.previous-surveys {
    padding: 3rem 0;
    background-color: #f1f1f1;
    text-align: center;
  }

  .survey-list {
    list-style-type: none;
    padding: 0;
    max-width: 600px;
    margin: 0 auto;
  }

  .survey-list li {
    padding: 0.5rem 0;
    border-bottom: 1px solid #ddd;
    font-size: 1rem;
  }

  button {
    margin-top: 1rem;
    padding: 0.75rem 1.5rem;
```

```
    background-color: #0096c7;
    color: #fff;
    border: none;
    border-radius: 5px;
    cursor: pointer;
  }



  /* Responsive Design */
  @media (max-width: 768px) {
    .hero {
      flex-direction: column;
      text-align: center;
    }

    .hero-content {
      flex-direction: column;
    }

    .features {
      flex-direction: column;
    }

    .feature-item {
      width: 100%;
    }
  }


let questions = [];

function showSurveyForm() {
  document.getElementById("surveyForm").style.display = "block";
}

function addOptions() {
  const questionType = document.getElementById("questionType").value;
  const optionsContainer = document.getElementById("optionsContainer");

  if (questionType === "multiple-choice" || questionType === "dropdown") {
    optionsContainer.style.display = "block";
  } else {
```

```
    optionsContainer.style.display = "none";
  }
}

function addOptionField() {
  const newOption = document.createElement("input");
  newOption.type = "text";
  newOption.className = "option-input";
  newOption.placeholder = "Enter option";
  document.getElementById("optionsList").appendChild(newOption);
}

function addQuestion() {
  const questionText = document.getElementById("questionText").value;
  const questionType = document.getElementById("questionType").value;

  const question = {
    text: questionText,
    type: questionType,
    options: []
  };

  if (questionType === "multiple-choice" || questionType === "dropdown") {
    const optionInputs = document.querySelectorAll("#optionsList .option-input");
    optionInputs.forEach(input => {
      if (input.value) question.options.push(input.value);
    });
  }

  questions.push(question);
  displayQuestions();
  resetForm();
}

function displayQuestions() {
  const questionList = document.getElementById("questionList");
  questionList.innerHTML = "";

  questions.forEach((question, index) => {
    const listItem = document.createElement("li");
    listItem.innerHTML = `<strong>${index + 1}. ${question.text}</strong>`;

    if (question.type === "multiple-choice") {
      question.options.forEach(option => {
```

```
      const optionElement = document.createElement("div");
      optionElement.innerHTML = `<input type="radio" name="question${index}"> ${option}`;
      listItem.appendChild(optionElement);
    });
  } else if (question.type === "dropdown") {
    const selectElement = document.createElement("select");
    question.options.forEach(option => {
      const optionElement = document.createElement("option");
      optionElement.textContent = option;
      selectElement.appendChild(optionElement);
    });
    listItem.appendChild(selectElement);
  } else if (question.type === "rating") {
    const starContainer = document.createElement("div");
    starContainer.classList.add("star-rating");
    for (let i = 0; i < 5; i++) {
      const star = document.createElement("i");
      star.classList.add("fas", "fa-star");
      starContainer.appendChild(star);
    }
    listItem.appendChild(starContainer);
  }

  questionList.appendChild(listItem);
 });
}

function resetForm() {
 document.getElementById("createSurveyForm").reset();
 document.getElementById("optionsList").innerHTML = "";
 document.getElementById("optionsContainer").style.display = "none";
}

function generateShareLink() {
 const surveyData = JSON.stringify(questions);
 const surveyLink = `https://example.com/survey-
preview?data=${encodeURIComponent(surveyData)}`;

 document.getElementById("shareLink").value = surveyLink;
 document.getElementById("sharePopup").style.display = "flex";
}

function closePopup() {
 document.getElementById("sharePopup").style.display = "none";
```

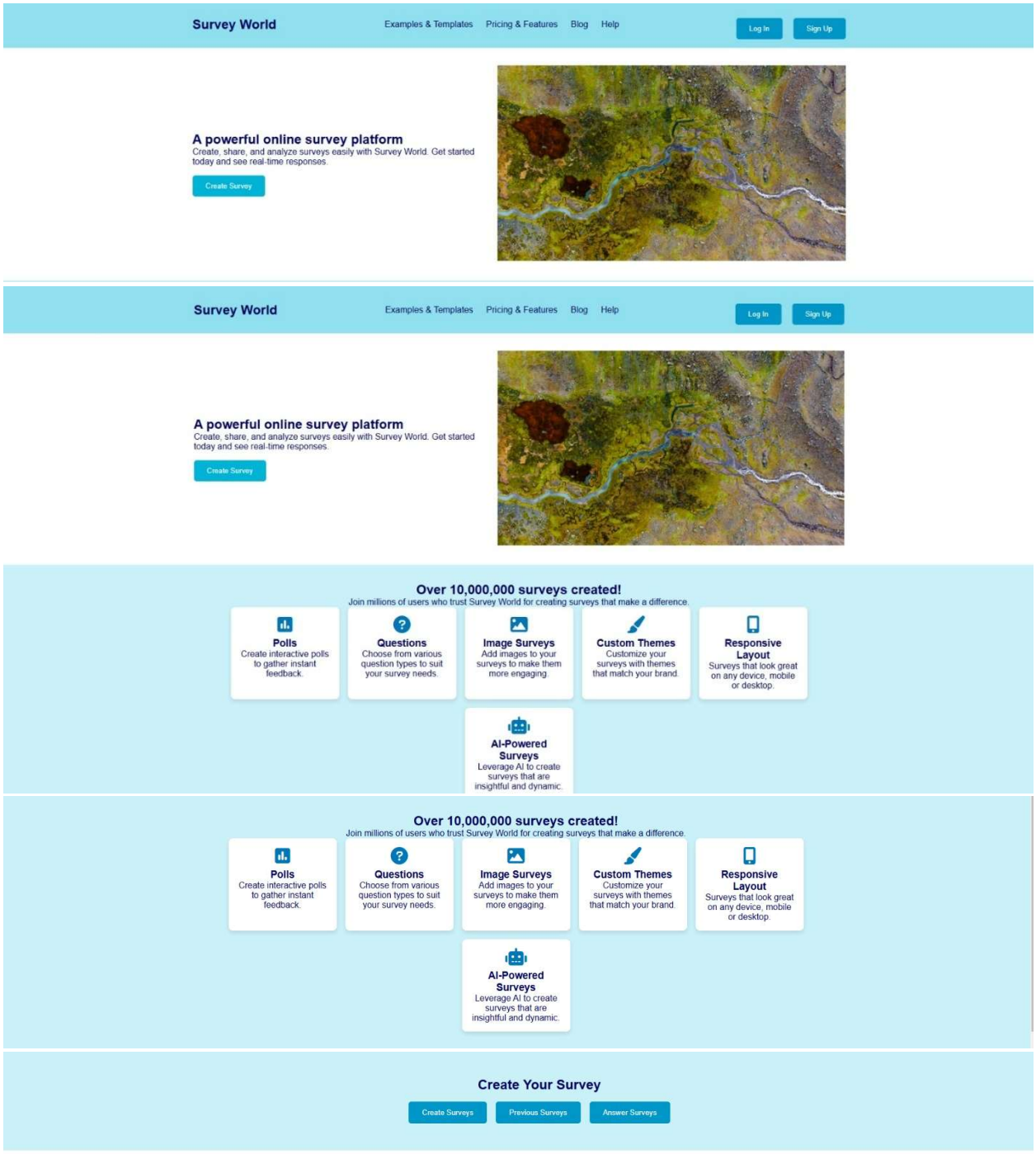
```
}
// Show Survey Form function
function showSurveyForm() {
    document.getElementById("surveyForm").style.display = "block";
  }

  // Redirect to Previous Surveys Page
  function goToPreviousSurveys() {
    window.location.href = "previous_surveys.html";
  }

  // Redirect Back to Survey Creation Page
  function goBack() {
    window.location.href = "survey_creation.html";
  }
```

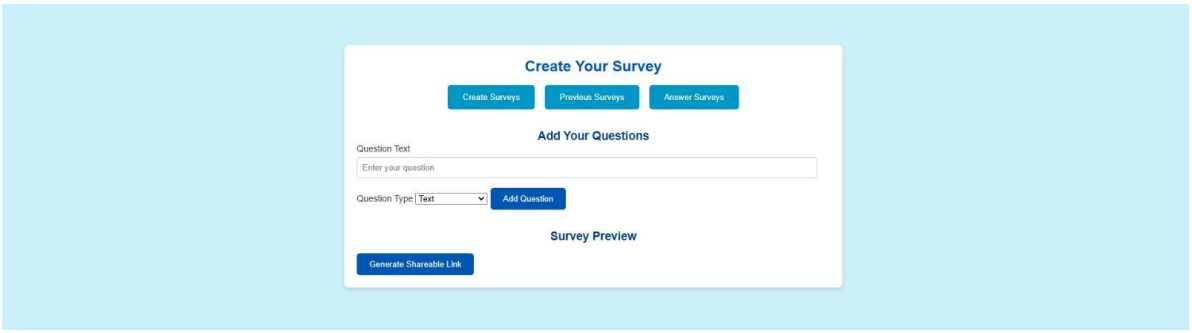
DISCUSSION OF THE RESULTS

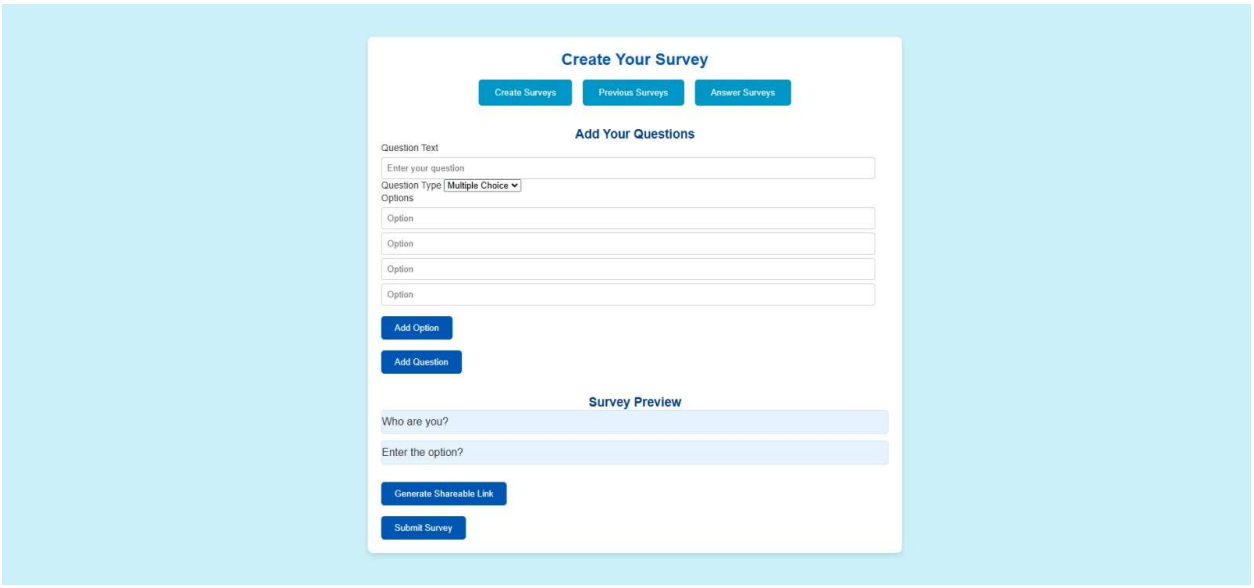
5.1 Screen Shots

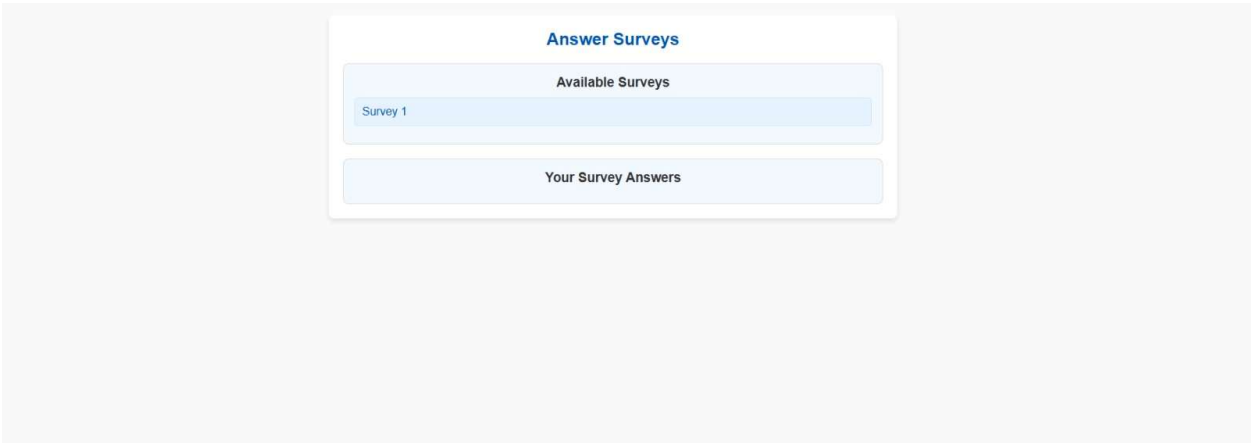

Survey World
Examples & Templates
Pricing & Features
Blog
Help
Log In
Sign Up
A powerful online survey platform
Create, share, and analyze surveys easily with Survey World. Get started today and see real-time responses.
Create Survey
Survey World
Examples & Templates
Pricing & Features
Blog
Help
Log In
Sign Up
A powerful online survey platform
Create, share, and analyze surveys easily with Survey World. Get started today and see real-time responses.
Create Survey
Over 10,000,000 surveys created!
Join millions of users who trust Survey World for creating surveys that make a difference.
Polls
Create interactive polls to gather instant feedback.
Questions
Choose from various question types to suit your survey needs.
Image Surveys
Add images to your surveys to make them more engaging.
Custom Themes
Customize your surveys with themes that match your brand.
Responsive Layout
Surveys that look great on any device, mobile or desktop.
AI-Powered Surveys
Leverage AI to create surveys that are insightful and dynamic.
Over 10,000,000 surveys created!
Join millions of users who trust Survey World for creating surveys that make a difference.
Polls
Create interactive polls to gather instant feedback.
Questions
Choose from various question types to suit your survey needs.
Image Surveys
Add images to your surveys to make them more engaging.
Custom Themes
Customize your surveys with themes that match your brand.
Responsive Layout
Surveys that look great on any device, mobile or desktop.
AI-Powered Surveys
Leverage AI to create surveys that are insightful and dynamic.
Create Your Survey
Create Surveys
Previous Surveys
Answer Surveys

Previous Surveys

- Customer Satisfaction Survey
- Employee Engagement Survey
- Product Feedback Survey
- Market Research Survey
- Brand Awareness Survey
- Website Usability Survey
- Customer Service Experience Survey
- Event Feedback Survey
- Employee Wellness Survey
- Customer Loyalty Survey
- Shopping Experience Survey
- Employee Satisfaction Survey
- Social Media Engagement Survey
- Health & Fitness Survey
- Community Engagement Survey
- School Climate Survey
- Consumer Buying Behavior Survey
- Travel Experience Survey
- Workplace Diversity Survey
- Survey of Online Shopping Preferences
- Tech Product Feedback Survey
- Customer Retention Survey
- Sustainability and Eco-Friendly Practices Survey
- Consumer Financial Behavior Survey







CHAPTER: 7

Conclusion

In conclusion, an Online Web Survey Tool offers an efficient and scalable solution for gathering valuable insights. It allows users to easily create, distribute, and analyze surveys, while providing a seamless experience for participants. With features like customizable survey design, real-time data analysis, and secure data handling, this tool empowers organizations to make data-driven decisions. Whether for customer feedback, market research, or employee satisfaction, an online survey platform streamlines the process, making it accessible, secure, and effective for various needs.

CHAPTER: 8

References

1. HTML Form Elements & Structure

- MDN Web Docs: HTML Forms

- URL: [MDN Forms](https://developer.mozilla.org/en-US/docs/Learn/Forms)

- This is a comprehensive guide to creating forms in HTML. It covers form controls (input types, select, textarea) and form attributes.

- W3Schools: HTML Forms

- URL: [W3Schools HTML Forms](https://www.w3schools.com/html/html_forms.asp)

- W3Schools is another great resource for understanding form structure, submission methods, and input elements.

2. CSS Styling

- MDN Web Docs: Styling Forms

- URL: [MDN Styling Forms](https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS_layout/Styling_forms)

- A helpful tutorial on how to style forms, customize form controls, and improve the user experience.

- CSS Tricks: Styling Forms

- URL: [CSS Tricks Forms](https://css-tricks.com/style-a-form-with-css/)

- A well-known resource for modern CSS techniques, this article includes tips on styling various form elements.

- W3Schools: CSS Forms

- URL: [W3Schools CSS Forms](https://www.w3schools.com/css/css_form.asp)

- A basic tutorial on styling forms using CSS. It includes examples of how to design form controls.

3. JavaScript Form Validation & Interactivity

- MDN Web Docs: Form Validation

- URL: [MDN Form Validation](https://developer.mozilla.org/en-US/docs/Learn/Forms/Form_validation)

- Learn how to use JavaScript to validate form data before submission, including custom validation techniques.

- W3Schools: JavaScript Form Validation

- URL: [W3Schools Form Validation](https://www.w3schools.com/js/js_validation.asp)

- A straightforward guide to using JavaScript for validating form inputs (e.g., checking required fields or validating email format).

- JavaScript30: JavaScript for Beginners

- URL: [JavaScript30](https://javascript30.com/)

- A free 30-day coding challenge that helps you learn JavaScript by building 30 real-world projects. Great for beginners and intermediate developers.

4. Form Submission and Data Handling

- MDN Web Docs: Fetch API

- URL: [MDN Fetch API](https://developer.mozilla.org/en-US/docs/Web/API/Fetch_API)

- Learn how to submit form data asynchronously using the Fetch API. This is useful if you want to send survey responses to a backend server.

- W3Schools: JavaScript Form Submit

- URL: [W3Schools JavaScript Submit](https://www.w3schools.com/jsref/event_onsubmit.asp)

- How to handle form submission in JavaScript, including preventing default actions and sending data.

5. Backend Integration (Optional)

If you want to store survey responses and send them to a server or database, you'll need some backend logic. Here are a few options:

- Firebase Realtime Database:

- Firebase offers a real-time NoSQL database that is easy to set up for simple applications like surveys.

- URL: [Firebase Realtime Database](https://firebase.google.com/docs/database/web/start)

- Node.js and Express (Backend Example):

- URL: [Node.js + Express: Build a RESTful API](https://developer.mozilla.org/en-US/docs/Learn/Server-side/Express_Nodejs)

- Learn how to build a backend with Node.js and Express to handle form data and save responses in a database.

- PHP and MySQL (Backend Example):

- URL: [W3Schools PHP MySQL Tutorial](https://www.w3schools.com/php/php_mysql_intro.asp)

- A simple backend solution using PHP and MySQL to handle form submissions.

6. Form Libraries and Frameworks

For advanced features (e.g., dynamic forms, conditional logic, or advanced validations), you may want to use a JavaScript library or framework:

- Formik (React Form Library):

  - URL: [Formik](https://formik.org/)

  - Formik is a popular React library that makes working with forms easier, handling validation, submission, and dynamic fields.

- React Hook Form:

  - URL: [React Hook Form](https://react-hook-form.com/)

  - Another React library, but with a focus on performance and simplicity for form handling.

7. Responsive Design for Forms

- MDN Web Docs: Media Queries

  - URL: [MDN Media Queries](https://developer.mozilla.org/en-US/docs/Web/CSS/Media_Queries)

  - Learn how to make your survey form responsive, so it adapts to different screen sizes and devices.

- CSS Tricks: Building a Responsive Form

  - URL: [CSS Tricks Responsive Forms](https://css-tricks.com/building-a-responsive-form/)

  - A guide on making forms responsive with CSS, ensuring that your form looks great on mobile devices.

8. Web Accessibility

- W3C Web Accessibility Initiative (WAI):

  - URL: [WAI Forms Accessibility](https://www.w3.org/WAI/WCAG21/quickref/?showtechniques=144#forms)

  - Accessibility is an important consideration for websites and forms. This guide includes tips for making your form accessible for all users, including those with disabilities.