An Internship Report On

"Web technology"

In Partial Fullfillment of The Requirement For The Award of The Degree of Bachelor Of Engineering In

Third Year Engineering - Computer Engineering

Submitted by:

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CERTIFICATE

This is to certify that **Sneha Nimbalkar** (Seat No: *T190494249*, Roll No:52),
student of Parvatibai Genba Moze College of Engineering, has done his Internship
Work titled **"Web Technology"** in our **Computer Department** from 01/02/2023
to 24/02/2023 as part of curriculum.

We have noticed that, during the period, he has shown keen interest in his assignment
and was also regular in attendance.

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Head of Department   **Seminar Guide**

Prof. Shrikant Dhamdhere   Prof. Shrikant Dhamdhere

ABSTRACT

This thesis considers several instances of abstraction that arose in the design and implementation of the web programming language Links. The first concerns user interfaces, specified using HTML forms. We wish to construct forms from existing form fragments without introducing dependencies on the implementation details of those fragments. Surprisingly, many existing web systems do not support this simple scenario. We present a library which captures the essence of form abstraction, and extend it with more practical facilities, such as validation of the HTML a program produces and of the input a user submits.An important part of our library is a simple semantics, given as the composition of three primitive "idioms", an interface to computation introduced by McBride and Paterson. In order to justify this approach we present a comparison of idioms with the related notions of monads and arrows, refining the informal claims in the literature.Our library forms part of the Links framework for stateless web interactions. We describe a related aspect of this system, a preprocessor that derives generic instances of functions, which we use to serialise server state between client requests. The abstraction in this case involves the shape of datatypes: the serialisation operation is specified independently of the particular types involved.Our final instance of abstraction involves abstract types. Functional programming languages typically offer one of two styles of abstract type: the abstraction boundary may be drawn using a private data constructor, or using a type signature. We show that there is a pair of semantics-preserving translations between these two styles. In the light of this, we revisit the decision of the Haskell designers to offer the constructor style, and define a library that supports signature-style definitions in Haskell by translation into the constructor style.

Keywords:HTML, CSS, JAVASCRIPTS

ACKNOWLEDGEMENTS

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Chapter 1

Introduction

1.1 Objectives

The objective of the Web Development internship is to provide students with practical experience in applying HTML and CSS concepts and techniques in real-world settings. By participating in this internship, students will be able to:

Develop their technical skills in using analytical tools and techniques. Internships are generally thought of to be reserved for college students looking to gain experience in a particular field. However, a wide array of people can benefit from Training Internships in order to receive real world experience and develop their skills. An objective for this position should emphasize the skills you already possess in the area and your interest in learning more Internships are utilized in a number of different career fields, including architecture, engineering, healthcare, economics, advertising and many more. Some internship is used to allow individuals to perform scientific research while others are specifically designed to allow people to gain first-hand experience working. Utilizing internships is a great way to build your resume and develop skills that can be emphasized in your resume for future jobs. When you are applying for a Training Internship, make sure to highlight any special skills or talents that can make you stand apart from the rest of the applicants so that you have an improved chance of landing the position

1.2 Scope

The internship program typically includes the following scope:

n addition to web markup and code, the scope of web development includes all related development tasks, such as client-side scripting, server-side scripting, e-commerce development, server and network security configurations, and content

management system (CMS) development.

Chapter 2

Task Given

- Make Biograpy Page

- Make login Page

- Make Registration Page

- Make Facebook account Page

- project on Ecommerce Website

Chapter 3

Problem Statement

- Making registration page
- Making login Page
- Making any Website

3.1 Making registration page:

- using html.
- save the file with .html extension.
- You can use vs code,notepad

3.2 Making login Page

- using html and css.
- save the file with .html extensionb and css file save with .css extension
- You can use vs code,notepad

3.3 Making any Website

- using html , css and javascripts.
- save all file with their extension

Chapter 4

Methodology Analysis

The users of both methodologies should have strong analytical skills, be able to work on application, and have a good understanding of web page objectives and requirements. They should also have a keen eye for detail, be able to think critically and creatively, and have excellent problem-solving skills. Effective communication skills are also important for presenting findings to stakeholders and decision-makers.

4.1   FRONTEND TECHNOLOGIES:

- **HTML:**HTML stands for Hyper Text Markup Language.HTML is the standard markup language for creating Web pages.HTML describes the structure of a Web page.HTML consists of a series of elements.HTML elements tell the browser how to display the content

- **CSS:**: CSS stands for Cascading Style Sheets.CSS describes how HTML elements are to be displayed on screen, paper, or in other media.CSS saves a lot of work. It can control the layout of multiple web pages all at once. External stylesheets are stored in CSS files.

- **JAVASCRIPTS:**JavaScript could be a Scripting language. It's principally abbreviated as JS. It is aforementioned that JavaScript is that the updated version of the ECMA script. JavaScript could be a high-level artificial language that uses the thought of Oops however it's supported epitome inheritance. JavaScript could be a light-weight, cross-platform, and taken scripting language. It's well-known for the event of websites, several non-browser environments conjointly use it. JavaScript is used for Client-side developments further as Server-side developments. JavaScript contains a regular library of objects, like Array, Date, and Math, and a core set of language parts like operators, management structures, and statements.

4.2 TRADITIONAL TECHNOLOGIES IN WEB DEVELOPMENT:

Web technologies square measure typically divided in line with wherever they're used. That is, square measure they targeted on the client-side or server-side of net applications? Knowing the fundamental classes of net technologies is important if you propose to figure in net development. Thus, here could be a list of net development technologies by category:

Browsers HTML and CSS Programming Languages Frameworks Web Servers Databases

Chapter 5

Software and Hardware Specifications

5.1 Hardware Specification (Minimum) :

- 1TB HD space required for a typical live system with 1000-2000 events

- Recommended minimum CPU – i7 7 th gen

- Recommended 16GB RAM•Network card

5.2 Software specification :

A requirements specification for a software system is complete description of the behavior of a system to be developed and it includes a set of use cases that describe all the interactions the users will have with the software. In addition to use cases, the SRS also contains non-functional requirements

Chapter 6

Tools used in web design

6.1 HTML5

HTML stands for Hyper Text Mark-up Language. It is used to design web pages using mark-up language. HTML is the combination of Hypertext and Mark-up language. Hypertext defines the link between the web pages. Mark-up language is used to define the text document within tag which defines the structure of web pages. HTML5 is the fifth and current version of HTML. It has improved the mark-up available for documents and has introduced application programming interfaces (API) and Document Object Model (DOM). Below example illustrate the HTML5 content:

- ¡!DOCTYPE html¿

- ¡html¿

- ¡head¿

- ¡title¿Page Title¡/title¿

- ¡/head¿

- ¡body¿

- ¡h1¿This is a Heading¡/h1¿

- ¡p¿ This is a paragraph. ¡/p¿

- ¡/body¿

- ¡/html¿

6.2 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. There are three types of CSS which are given below:

- Inline CSS

- Internal or Embedded CSS

- External CSS

Below example illustrate the CSS3 content:

¡!DOCTYPE html¿

¡html¿

¡head¿

¡title¿ HTML 5 Demo¡/title¿

¡style¿ .intern font-size:40px; font-weight:bold; color:green; body text-align:center; ¡/style¿

¡/head¿

¡body¿

¡div class = "intern"¿Hello World!¡/div¿

¡aside¿

¡div¿This is Insiya Badshah¡/div¿

¡/aside¿

¡/body¿

¡/html¿

6.3　JavaScripts

- **J**avaScript is a lightweight, cross-platform and interpreted scripting language. It is well-known for the development of web pages, many non-browser environments also use it. JavaScript can be used for Client-side developments as well as Server-side developments.
  Features of JavaScript:

- **A**ccording to a recent survey conducted by Stack Overflow, JavaScript is the most popular language on earth. With advances in browser technology and JavaScript having moved into the server with Node.js and other frameworks, JavaScript is capable of so much more.

- **F**unctions in JS are objects. They may have properties and methods just like another object. They can be passed as arguments in other functions.

- **C**an handle date and time. Performs Form Validation although the forms are created using HTML.

- **N**o compiler needed.

Chapter 7

Conclusion and Future Scope

7.1 Conclusion

A Report On Web Designing 17 CHAPTER 4 CONCLUSION AND FUTURE SCOPE 4.1 Conclusion In conclusion, I can say that this internship was a great experience. Thanks to this project, I acquired deeper knowledge concerning my technical skills, but I also personally benefited. Currently HTML is a common part of web applications, and it is one of the most popular language for web designing used by professionals worldwide. If we surf internet, we can see millions of websites designed with HTML and CSS. I learned to live in a different environment from the one I am used to. Indeed, I grew more independent in work and also in everyday life. I realized that I could do more things than I thought, like learning new things by myself. There are huge opportunities available for the students who want to work in this field. Many private and public organizations hire web designer for their online work and website development. With the rapid advent of online industry, the demand of web development professionals is increasing, and this has created a huge job opportunity for the aspirants in the upcoming days. Also, an experienced person in this field can also work as a freelancer; there are many online companies which provide online projects to the individuals.

7.2 Future Scope

If someone has no experience in this field, finding work can be a real challenge. A successful internship can help an individual turn an experience into a career opportunity. So as a successful internship some future scopes are: To work in IT company.

Can work as a Software Engineer.

Can work as a Software Engineer.

Can work as a Web Designer.

Can work as a Web Developer.

Can work as a QA Tester