

(Internship Report)

(Project Semester Feb-July 2022)

“Internship at AddWebSolution Pvt Ltd”

Submitted by:

Ronak Jain

18BCON717



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AddWebSolution
“let's talk solution”

Under the Guidance of:

Ms. Sushama Tanwar

Assistant Professor – I

Department of CSE

Faculty Internship Guide

Mr. Kaushal Mittal

Team Leader & Trainer

Industry Guide

Department of Computer Science and Engineering

JECRC UNIVERSITY, JAIPUR

(2018-2022)

PREFACE

The present report is the outcome of the Internship Program of Full Stack Development program at Addweb Solutions Pvt Ltd. The objective of the internship program was to familiarize the student with the implementation of the knowledge he earned at the company. The practical knowledge is far different from the bookish knowledge that a student achieves in an institution.

The report focuses on a few of the important aspects of the development of Static And Dynamic Websites.

The report focuses on a few of the important aspects of the Frontend and Backend development for the product of the company.

ACKNOWLEDGEMENT

The internship opportunity I had with Addweb Solutions Pvt Ltd was a great chance for learning and professional development. Therefore, I consider myself as a very lucky individual as I was provided with an opportunity to be a part of it. I am also grateful for having a chance to meet so many wonderful people and professionals who led me through this internship period.

Bearing in mind previous I am using this opportunity to express my deepest gratitude and special thanks to the **Rajeev Agarwal** CEO of Addweb Solutions who in spite of being extraordinarily busy with his duties, took time out to hear, guide and keep me on the correct path and allowing me to carry out my project at their esteemed organization and extending during the training.

I express my deepest thanks to **Abhishek Dhariwal** CTO for taking part in useful decision & giving necessary advices and guidance and arranged all facilities to make life easier. I choose this moment to acknowledge his/her contribution gratefully.

It is my radiant sentiment to place on record my best regards, deepest sense of gratitude to **Dr. Naveen Hemrajani**, HOD, CSE Department and my Mentor **Ms. Sushama Tanwar**, Asst. Prof. CSE Dept for their kind and active support and valuable guidance during the Internship phase. which were extremely valuable for my study both theoretically and practically.

I perceive as this opportunity as a big milestone in my career development. I will strive to use gained skills and knowledge in the best possible way, and I will continue to work on their improvement, in order to attain desired career objectives. Hope to continue cooperation with all of you in the future.

Sincerely,

Name: Ronak Jain

Reg.No: 18BCON717

Date: 21 April 2022

DECLARATION

I hereby declare that the projects entitled Ecommerce connect is authentic record of my own work carried out at Addweb Solutions Pvt Ltd as requirements of Six months of industrial project for the award of degree of B.tech from JECRC University, under the guidance of Mr. Kaushal Mittal and Ms. Sushama Tanwar, during 02 Feb 2022 to July 2022.

Ronak Jain

18BCON717

Certified that the above statement made by the student is correct to the best of our knowledge.

Ms. Sushama Tanwar

Assistant Professor – I

Faculty Internship Guide

Mr. Kaushal Mittal

Industry Guide

OFFER LETTER



Dear Ronak,

Congratulations!! We, at AddWeb Solution Pvt. Ltd, wish to inform you that you have been selected to join us on 2nd February 2022 on Wednesday at 11:00 AM under Train and Hire Programme
(6 months training)

Designation: Trainee Full Stack
Location: Jaipur

On the day of your joining please submit the xerox copies of the following documents so as to complete the joining formalities:

- 4 Passport size photographs
- Copy of highest degree certificate
- Identity proof
- Address proof
- Mediclaim

Terms and Conditions:

1. It should be clearly understood that your performance during the training period must be satisfactory in order for your employment to be continued with AddWeb Solution.
2. The offered training period can be extended if the management finds your performance not up to the mark and the required pace.
3. The Company can terminate you at any given time, on account of non-performance and/or any disciplinary action.
4. The confidentiality of the Company data must be maintained by you. You cannot use the Company information for your personal benefit during or after your work tenure.

Ahmedabad

405 - 704 Silicon Tower,
Opp. Law Garden, Ahmedabad - 380009

☎ 079-40058816 | 🌐 www.addwebsolution.com

Jaipur

68, Heera Path Shopping Center
New Sangarner Road, Mansarovar, Jaipur - 302020



NASSCOM



By accepting this offer, you are bound to abide by the above terms and conditions. Company can take legal action against you if you violate any terms and conditions mentioned above.

Office Address:

AddWeb Solution Pvt. Ltd.

705 , Silicon Tower,

Law Garden, Ahmedabad-380009

Wishing you a successful career...!!!



Thanks

Pooja Upadhyay | HR Manager

AddWeb Solution

📍 **Ahmedabad**

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Opp. Law Garden, Ahmedabad - 380009

☎ 079-40058816 | 🌐 www.addwebsolution.com

📍 **Jaipur**

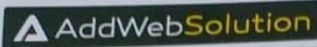
68, Heera Path Shopping Center
New Sangarner Road, Mansarovar, Jaipur - 302020



NASSCOM



JOINING LETTER



AGREEMENT LETTER

THIS AGREEMENT is made on Wednesday, 2nd February 2022 between **AddWeb Solution Pvt. Ltd.**, a company registered under the Companies Act, 1956 and having its registered office at. 705, Silicon Tower, Off CG Road, Near Law Garden Ahmedabad - 380009, Gujarat, India (hereinafter called the "Company") of the one part and **Ronak Jain** residing at **Shiv Colony, Baran, Rajasthan - 325205**. (Hereinafter called the "Trainee") of the other part.

WHEREAS,

The company is willing to appoint **Ronak Jain** as a " **Trainee (Fullstack)** " and the Trainee has agreed to the terms and conditions outlined here below.

NOW THIS AGREEMENT WITNESSES as follows:

1. The Trainee is hereby appointed as a " **Trainee (Fullstack)** " of the company and he will hold the said office, subject to the provisions made hereinafter, for the term of **6 calendar months (180 days) training [which could be extended if deemed suitable] and 12 calendar months employment period (360 days), so total 18 calendar months (540 days) from your Date of Joining.**
2. In an event, the Trainee relieves himself from the duties of his work and discontinues his work from the said designation or company terminate his on ground of unprofessionalism before the completion of 18 months from your DOJ, deposited **cheque number "015987" [Bank of India] of the amount of INR 50,000** (INR Fifty thousand only) company can deposit by the Trainee in the form of compensation for the loss to the Company due to his absence and discontinuity from work and also the resources Company has invested in his training. For the same trainee is giving INR 50,000/-(Fifty Thousand) cheque.

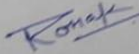


405-703-704-705, Silicon Tower, Off CG Road, Near Law Garden,
Ahmedabad, Gujarat 380009.
079-4005...
www.addwebsolution.com



Failure to abide by any or all of the terms mentioned above would be considered as the breach of contract and trainee, without any pressure and in full senses agrees to pay the compensation to the company as mentioned in the clause #2 above of this contract.

Niharika Chandak | Associate People
Operations Specialist

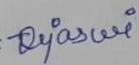
Signature: 



AddWeb Solution Pvt. Ltd.

Date: 04/02/2022

Place: Jaipur

HR Witness 1 : 

HR Witness 2 :

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Company Profile [AddWeb Solution]

AddWeb Solution is a leading IT development, consulting and outsourcing company. We have more than 24 years of experience accompanied by proud alliances with some esteemed IT and digital companies. We have also been involved in individual projects on a global scale. The balance between hyperspecialization of our services, the 360° vision & the knowledge of various sectors and businesses is the key to our service model. The company has been growing consistently due to our excellent solution and on-time deliveries. We are agile and dynamic, which gets transmitted through our work. We are super intended to boost the overall productivity of corporations by ensuring maximum ROI.

Our Services:

- Mobile App Development
- Web Application Development
- Cloud Consulting
- Ecommerce Development
- Devops
- Blockchain Development



AddWebSolution
"let's talk solution"

Addweb solution is offshore Development Centre in India. You interact directly with your resources with HD quality video and the project data is secured and kept confidential.

With more than 500+ successful projects delivered we are ready to take it to the next height.

Let's connect & talk solution!

Specialties

Website Development, Mobile Apps (iOS/Android), PHP, Wordpress, CodeIgniter, Magento, eCommerce, Yii, Laravel, CakePHP, SEO, DevOps, OctoberCMS, Server Management, VueStoreFront, SilverStripe, ReactJS, Drupal, WordPress, and Staff Augmentation

Bring native-like experiences to your users in half of the development cost and time with React Native App Development Services.

Offering flexible and business-specific NODE JS services to the client requirements irrespective of their domain and business size.

Abstract

The purpose of Online E-commerce System is to automate the existing manual system by the help of computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Online E-commerce System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information. Discussion/ Finding/ Analysis/ Observations (5 pages)

In this internship we have learnt all the languages used in front end development of the website as well as at the backend development of the websites. Some of them can be Php, MySQL, HTML, CSS, Bootstrap.

1. INTRODUCTION

1.1 OVERVIEW:

The central concept of the application is to allow the customer to shop virtually using the Internet and allow customers to buy the items and articles of their desire from the store. The information pertaining to the products are stores on an MYSQL at the server side (store). The Server process the customers and the items are shipped to the address submitted by them. The application was designed into two modules first Os for the customers who wish to buy the articles. Second is for the storekeepers who maintains and updates the information pertaining to the articles and those of the customers? The end user of this product is a departmental store where the application is hosted on the web and the administrator maintains the database. The application which is deployed at the customer database, the details of the items are brought forward from the database for the customer view based on the selection through the menu and the database of all the products are updated at the end of each transaction. Data entry into the application can be done through various screens designed for various levels of users. Once the authorized personnel feed the relevant data into the system, several reports could be generated as per the security.

1.2 SCOPE OF PROJECT:

Purchasing and selling products and services over the internet without the need of going physically to the market is what online shopping all about. Online shopping is just like a retail store shopping that we do by going to the market, but it is done through the internet. Online shopping has made shopping painless and added more fun. Online stores offer product description, pictures, comparisons, price and much more. Few examples of these are

Amazon.com, ebay.com, framt.com and the benefits of online shopping is that by having direct access to consumer ,the online stores can offer products that cater to the needs of consumer ,cookies can be used for tracking the customer selection over the internet or what is of their interest when they visit the site again . Online shopping makes use of digital technology for managing the flow of information, products, and payment between consumer, site owners and suppliers. Online shopping can be either B2B (business to business) or B2C(business to consumer).

Shopping cart is one of the important facility provided in online shopping, this lets customer to browse different goods and services and once they select an item to purchase they can place the item in shopping cart, and continue browsing till the final selection. Customers can even remove the items from shopping cart that were selected earlier before they place the final order. It reminds us of shopping basket that we carry in departmental store.

1.3 PURPOSE OF PROJECT:

The purpose of online shopping is to save time, save money. Through online shopping one can save his valuable time. One can watch and select things he wanna to buy. Through online shopping we can save our money because prices are less than market prices and we receive

our bought things at our home. No need to go anywhere and do shopping. We can get different varieties of things online and we can choose which one we want.

- 1) To achieve target turnover and gross profit
- 2) To offer a quality experience for customers that matches the aspirations of a customer.

Online shopping is a form of electronic commerce where the buyer is directly online to the seller's computer usually via the internet. There is no intermediary service. The sale and purchase transaction is completed electronically and interactively in real-time such as Amazon.com for new books. If an intermediary is present, then the sale and purchase transaction is called electronic commerce such as Flipcart and Amazon.

1.4 Proposed System :

The development of this new system contains the following activities, which try to develop on line application by keeping the entire process in the view of database integration approach. Secure registration and profile management facilities for Customers. Browsing through the e-Mall to see the items that are there in each category of product like Apparel, Kitchen accessories, Bath accessories, Food items etc. Creating a Shopping cart so that customer can Shoppe 'n' no. of items and checkout finally with the entire shopping cart.

Customers should be able to mail the Shop about the items they would like to see in the Shop Secured mechanism for checking out from the Shop(Credit card verification mechanism) Updates to customers about the Recent Items in the Shop. Uploading 'Most Purchased' Items in each category of products in the Shop like Apparel Kitchen accessories, Bath accessories, Food items etc

102. FEASIBILITY ANALYSIS

Feasibility study is the process of determination of whether or not a project is worth doing.

Feasibility studies are undertaken within tight time constraints and normally culminate in a written and oral feasibility report. I have taken two weeks in feasibility study with my co-developer. The contents and recommendations of this feasibility study helped us as a sound basis for deciding how to proceed the project. It helped in taking decisions such as which software to use, hardware combinations, etc.

- 1) Technical Feasibility
- 2) Economical Feasibility
- 3) Operational Feasibility

2.1 TECHNICAL FEASIBILITY:

Technical feasibility determines whether the work for the project can be done with the existing equipment, software technology and available personnel. Technical feasibility is concerned with specifying equipment and software that will satisfy the user requirement. This project is feasible on technical remarks also, as the proposed system is more beneficiary in terms of having a sound proof system with new technical components installed on the system.

The proposed system can run on any machines supporting Windows and Internet services and works on the best software and hardware that had been used while designing the system so it would be feasible in all technical terms of feasibility.

2.2 ECONOMICAL FEASIBILITY:

Economical feasibility determines whether there are sufficient benefits in creating to make the cost acceptable, or is the cost of the system too high. As this signifies cost-benefit analysis and savings. On the behalf of the cost-benefit analysis, the proposed system is feasible and is economical regarding its pre-assumed cost for making a system.

We classified the costs of eSHOP according to the phase in which they occur. As we know that the system development costs are usually one-time costs that will not recur after the project has been completed. For calculating the Development costs we evaluated certain cost categories viz.

1. Personal costs
2. Computer usage
3. Supply and equipments costs
4. Cost of any new computer equipments and software

2.3 OPERATIONAL FEASIBILITY:

It is mainly related to human organization and political aspects. The points to be considered are:

- What changes will be brought with the system?

113. SOFTWARE & HARDWARE REQUIREMENT

3.1 Software Requirements :

Operating System : Linux

Front End : HTML, CSS, JavaScript, Bootstrap

Back End : Php, MySql, Xampp Server

Programming Language : Php

Browser : Google Chrome 3.2 Hardware Requirements:

Processor : Intel core i7

Hard Disk : 1Tb SSD

RAM : 8GB

METHODOLOGY

3.1 HTML:

The Hypertext Markup Language or HTML (Hypertext Markup Language) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes and other items. HTML elements are delineated by *tags*, written using angle brackets Tags such as `` and `<input />` directly introduce content into the page. Other tags such as `<p>` surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags but use them to interpret the content of the page.



3.2 CSS:

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .CSS file which reduces complexity and repetition in the structural content as well as enabling the .CSS file to be cached to improve the page load speed between the pages that share the file and its formatting. Separation of formatting and content also makes it feasible to present the same markup page in different styles for different rendering methods, such as on- screen, in print, by voice (via speech-based browser or screen reader), and on Braille-based tactile devices. CSS also has rules for alternate formatting if the content is accessed on a mobile device.



3.3 JavaScript:

JavaScript, often abbreviated as JS, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.

Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web

applications. The vast majority of websites use it for client-side page behavior, and all major web browsers have a dedicated JavaScript engine to execute it.

As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative programming styles. It has application programming interfaces (APIs) for working with text, dates, regular expressions, standard data structures, and the Document Object Model (DOM).



Do not confuse JavaScript with the Java programming language. Both "Java" and "JavaScript" are trademarks or registered trademarks of Oracle in the U.S. and other countries. However, the two programming languages have very different syntax, semantics, and use.

3.4 Bootstrap:

Bootstrap is a HTML, CSS & JS Library that focuses on simplifying the development of informative web pages (as opposed to web apps). The primary purpose of adding it to a web project is to apply Bootstrap's choices of color, size, font and layout to that project. As such, the primary factor is whether the developers in charge find those choices to their liking. Once added to a project, Bootstrap provides basic style definitions for all HTML elements. The result is a uniform appearance for prose, tables and form elements across web browsers. In addition, developers can take advantage of CSS classes defined in Bootstrap to further customize the appearance of their contents. For example, Bootstrap has provisioned for light- and dark-colored tables, page headings, more prominent pull quotes, and text with a highlight.

Bootstrap also comes with several JavaScript components in the form of jQuery plugins. They provide additional user interface elements such as dialog boxes, tooltips, and carousels. Each Bootstrap component consists of an HTML structure, CSS declarations, and in some cases accompanying JavaScript code. They also extend the functionality of some existing interface elements, including for example an auto-complete function for input fields.



3.5 Php:

PHP is a general-purpose scripting language especially suited to web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1994. The PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Preprocessor.

PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or as a Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code – which may be any type of data, such as generated HTML or binary image data – would form the whole or part of an HTTP response. Various web template systems, web content management systems, and web frameworks exist which can be employed to orchestrate or facilitate the generation of that response. Additionally, PHP can be used for many programming tasks outside of the web context, such as standalone graphical applications and robotic drone control. Arbitrary PHP code can also be interpreted and executed via command- line interface (CLI).



3.6 Ajax:

Ajax is not a single technology, but rather a group of technologies. HTML and CSS can be used in combination to mark up and style information. The webpage can then be modified by JavaScript to dynamically display—and allow the user to interact with—the new information. The built-in XMLHttpRequest object, or since 2017 the new fetch function within JavaScript, is commonly used to execute Ajax on webpages, allowing websites to load content onto the screen without refreshing the page. Ajax is not a new technology, or a different language, just existing technologies used in new ways.

The term Ajax has come to represent a broad group of Web technologies that can be used to implement a Web application that communicates with a server in the background, without interfering with the current state of the page.

With Ajax, web applications can send and retrieve data from a server asynchronously (in the background) without interfering with the display and behavior of the existing page. By decoupling the data interchange layer from the presentation layer, Ajax allows web pages and, by extension, web applications, to change content dynamically without the need to reload the entire page.

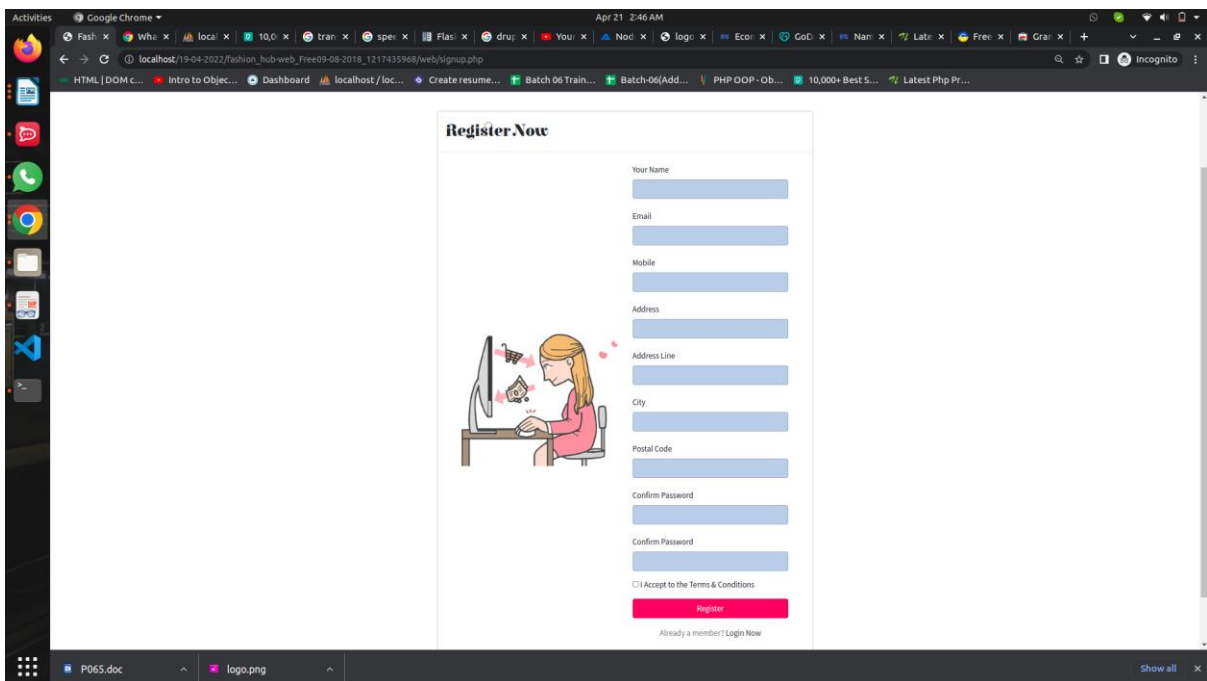
3.7 VS Code:

Visual Studio Code is a streamlined code editor with support for development operations like debugging, task running, and version control. It aims to provide just the tools a developer needs for a quick code-build-debug cycle and leaves more complex workflows to fuller featured IDEs, such as Visual Studio IDE.



My Project : E-Commerce Website

Signup Page:

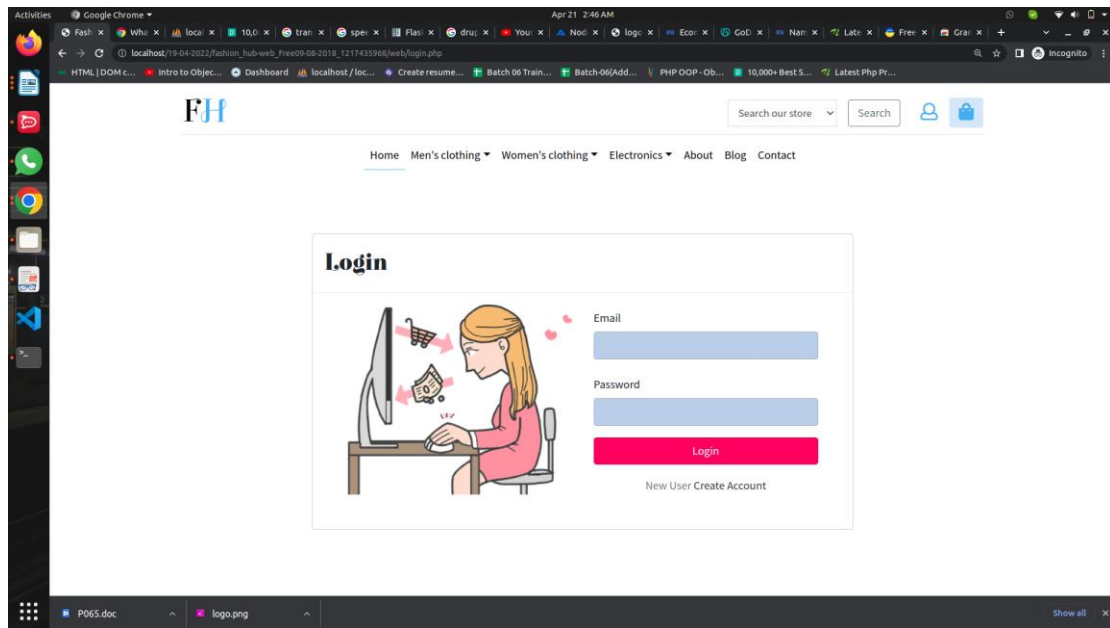


The screenshot displays a web browser window with the address bar showing a localhost URL. The page content is a registration form titled "Register Now". On the left side of the form is an illustration of a woman sitting at a desk with a computer. The form fields are as follows:

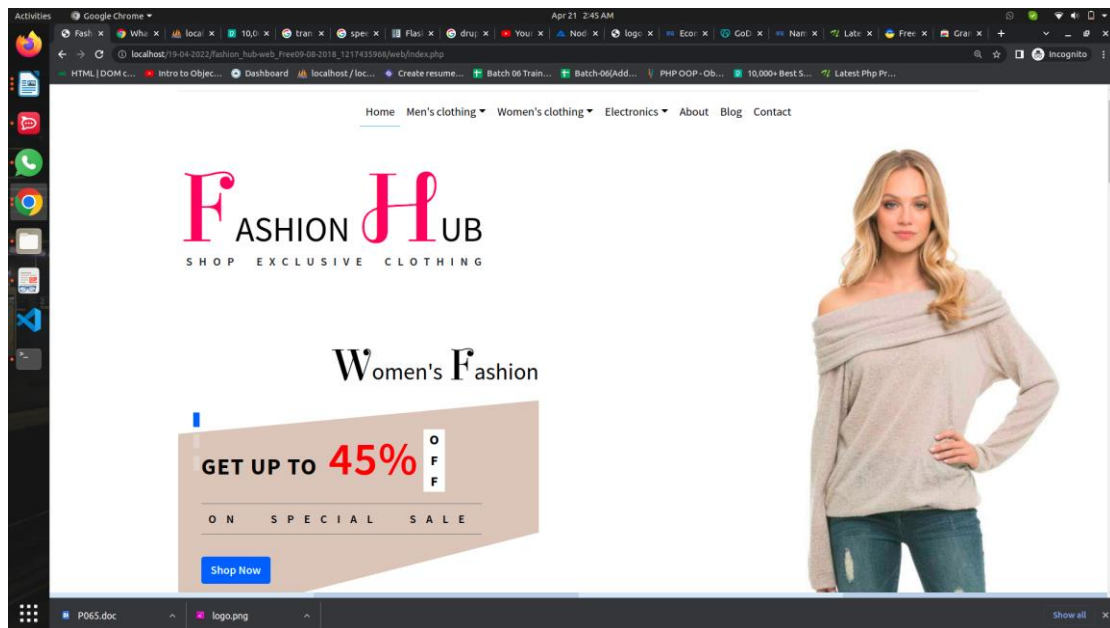
- Your Name
- Email
- Mobile
- Address
- Address Line
- City
- Postal Code
- Confirm Password
- Confirm Password
- ☐ I Accept to the Terms & Conditions

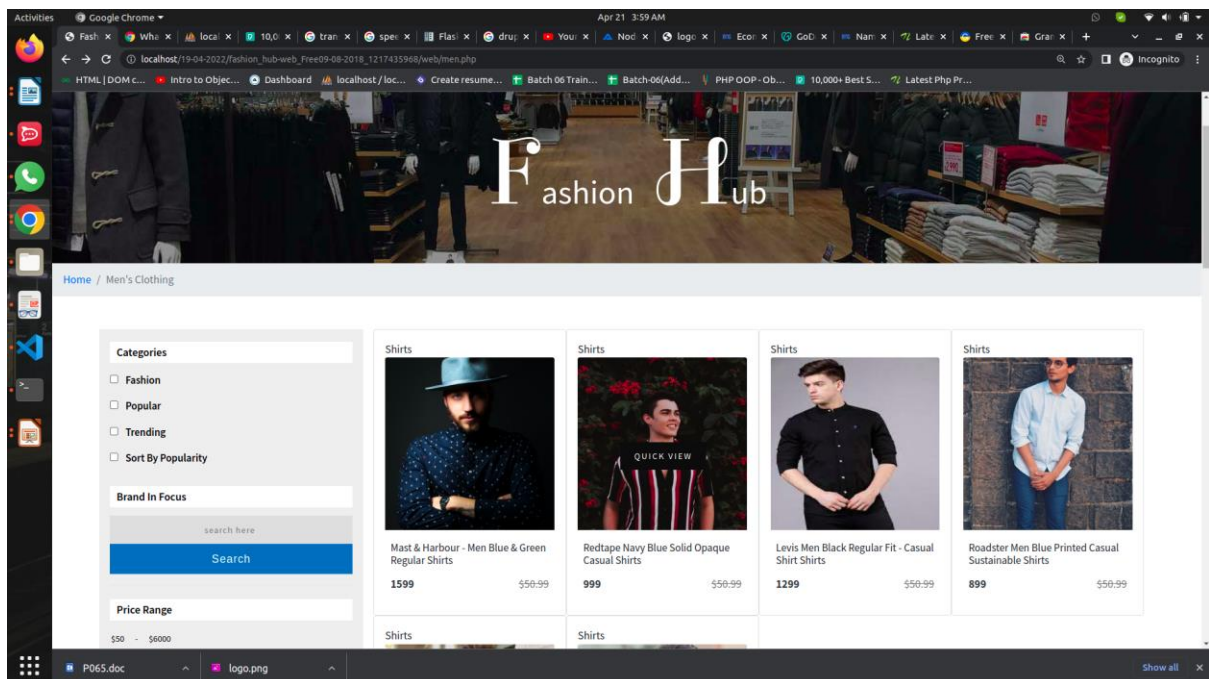
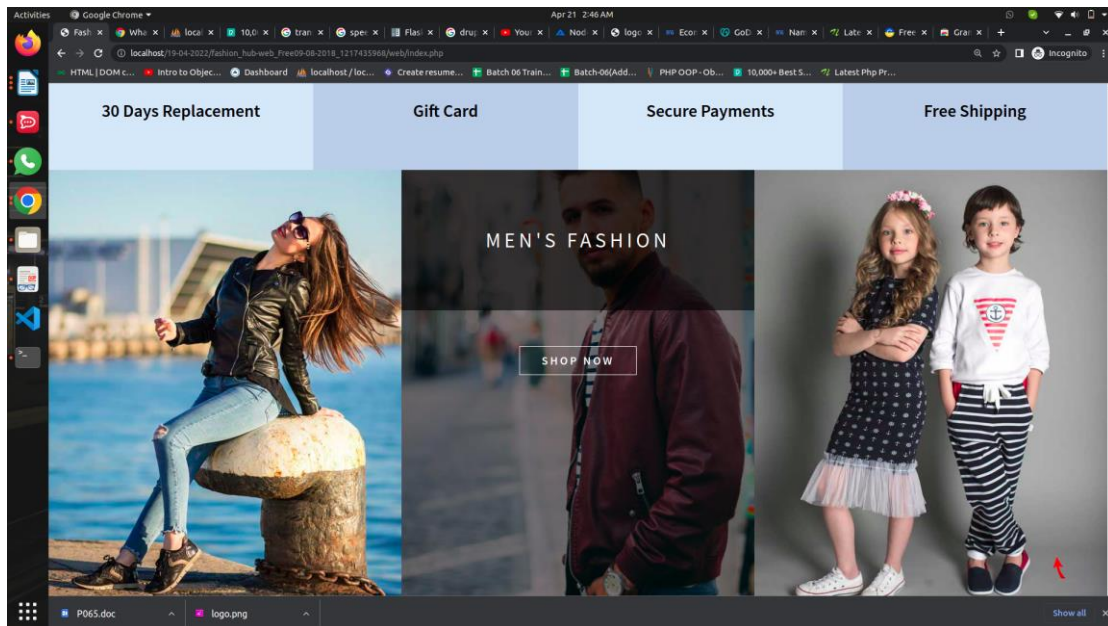
At the bottom of the form, there is a red "Register" button and a link that says "Already a member? Login Now".

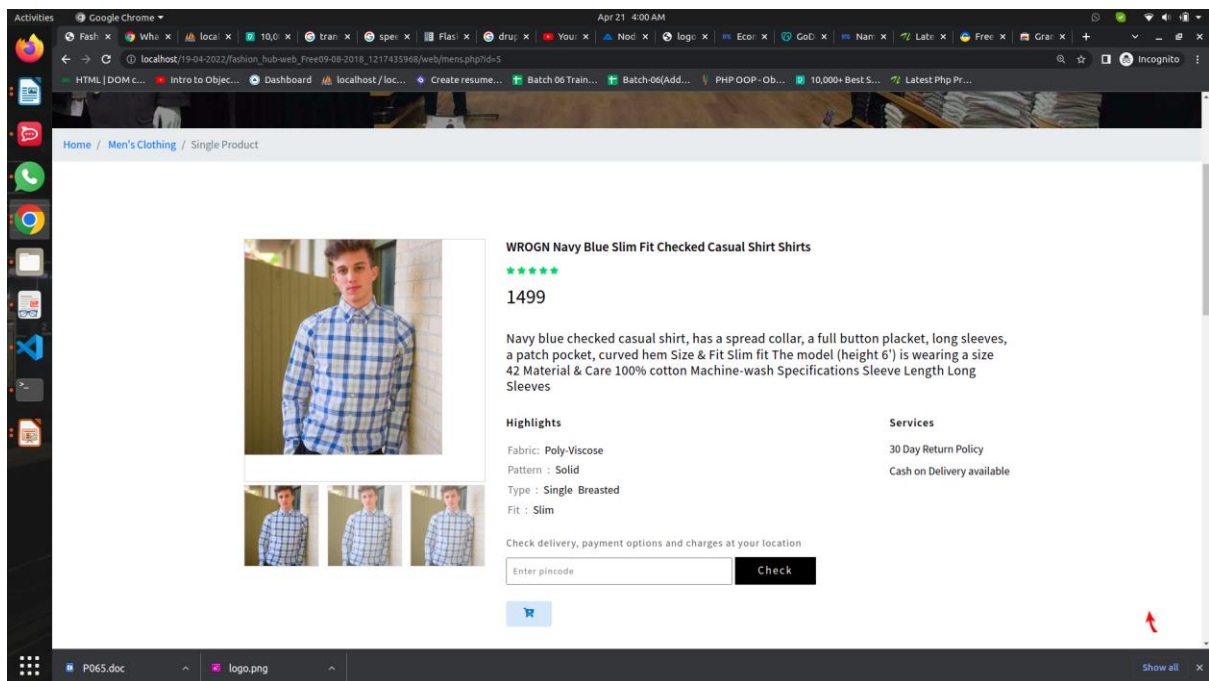
Login Page:



Home Page:







My Learnings

- As a Full Stack developer, My role is to work on the assigned task for the development of the project. I assigned tasks like developing front-end part for projects, and E-commerce websites.
- I get to learn about different languages like HTML, CSS, JavaScript, Ajax, Php, Github, MySql and many more.
- I have got hands-on experience with new technologies like git, VS Code, Php etc
- I get to know about how the company culture works.
- I get to know about, how the company deals with such kind of projects and how to deal with the clients.
-
- I get to learn and hands-on experience on Linux instead of Windows.
- I can able to get improve my logics much better than before.

CONCLUSION

- From this Internship of 3 months till now, I get to know about the company environment like how the company works on such kind of projects.
- I learnt about different tools and technology which are use to develop any product.
- Using my theoretical knowledge, I got the chance to implement them practically with projects.
- I can able to get improve my logics much better than before.
- I get Hands on experience with Php technology and worked on different programming languages.
- I am now able to work on both frontend and backend for the web Applications.
- I learnt about how to handle huge amount of data from any client or company.
- One of the latest technology like drupal, I get to learn and implement using this too.
- I've observed my skills grow these past 3 months.
- Till now this internship has been an excellent and rewarding experience for me and I hope I could continue this way. I can conclude that there has been a lot I've been learning from my work. The technical aspects of the work I've done are not flawless and could be improved provided enough time.

Recomandations

I think that having a deal with projects and learning during this Internship has been helpful for me to learn lots of Industrial knowledge. I have worked full time on many modules. I think that having dealt with projects and learning during this Internship has been helpful for me to learn lots of Industrial knowledge. I have worked full-time on many projects. An organization allowed me to take part from the beginning in all sorts of work i.e. Frontend, Backend, Database. Many projects are prepared before and proposed to me to motivate and take part in those projects. Working with many Companies was profitable to me, so I would recommend taking on more and more projects with clients. Doing an Internship with the AddwebSolution made me realize how interesting and stimulating an Internship can be

References

- <https://www.w3schools.com/>
- <https://stackoverflow.com/>
- <https://google.com>

- <https://ticktalk2.0.addwebsolution.in/>
- <https://bootstrapmade.com/>
- <https://www.linkedin.com/learning/me>

(Internship Report)

(Project Semester Feb-July 2022)

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Department of Computer Science and Engineering

JECRC UNIVERSITY, JAIPUR

(2018-2022)

DECLARATION

Department of Computer Science and Engineering

I, Ronak Jain hereby declare that I have undertaken 6 Months industrial

training from AddWeb Solution during a period from 2nd FEB 2022 in partial

fulfilment of requirements for the award of degree of BTech at JECRC

UNIVERSITY, Jaipur. The work which is being presented in the training report

submitted to the Computer Science and Engineering.

Ms. Sushama Tanwar

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ABOUT THE COMPANY



AddWebSolution
“lets talk solution”

AddWeb Solution is a leading IT development, consulting and outsourcing company. We have more than 24 years of experience accompanied by proud alliances with some esteemed IT and digital companies. We have also been involved in individual projects on a global scale. The balance between hyperspecialization of our services, the 360° vision & the knowledge of various sectors and businesses is the key to our service model. The company has been growing consistently due to our excellent solution and on-time deliveries. We are agile and dynamic, which gets transmitted through our work. We are super intended to boost the overall productivity of corporations by ensuring maximum ROI.

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References

1: INTRODUCTION

WEB DEVELOPMENT

Web development is the work involved in developing a Web site for the Internet (World Wide Web) or an intranet (a private network). Web development can range from developing a simple single static page of plain text to complex Web-based Internet applications (Web apps), electronic businesses, and social network services. A more comprehensive list of tasks to which Web development commonly refers, may include Web engineering, Web design, Web content development, client liaison, client-side/server-side scripting, Web server and network security configuration, and e-commerce development.

Among Web professionals, "Web development" usually refers to the main non-design aspects of building Web sites: writing markup and coding. Web development may use content management systems (CMS) to make content changes easier and available with basic technical skills.

○ SOFTWARE USED

Visual Studio Code:

Visual Studio Code is a lightweight but powerful source code editor which runs on your desktop and is available for Windows, macOS and Linux. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages (such as C++, C#, Java, Python, PHP, Go) and runtimes (such as .NET and Unity).

XAMPP SERVER :

Xampp Server refers to a solution stack for the Microsoft Windows operating system, created by Romain Bourdon and consisting of the Apache web server, OpenSSL for SSL support, MySQL database and PHP programming language.

2: TRAINING WORK UNDERTAKEN

HTML INTRODUCTION

HTML stands for Hypertext Markup Language. (**HTML**) is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

CSS

Cascading Style Sheets (CSS) is a stylesheet language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG, or XHTML). CSS describes how elements should be rendered on screen, on paper, in speech, or on other media. CSS is among the core languages of the open web and is standardized across Web browsers according to W3C specifications.

BOOTSTRAP

Bootstrap is a free and open-source CSS framework directed at responsive, mobile first front-end web development. It contains CSS and JavaScript-based design templates for typography, forms, buttons, navigation, and other components.

STRUCTURED QUERY LANGUAGE((SQL)

SQL is a domain-specific language used in programming and designed for managing data held in a relational database management system, or for stream processing in a relational data stream management system. A database server is a computer program that provides database services to other programs or computers, as defined by the client-server model.

PHP(HYPertext PREPROCESSOR)

PHP is a server side scripting language which is used to perform operations on Databases. In building dynamic pages and websites functionality. PHP code is usually processed on a web server by a PHP interpreter implemented as a

a module, a daemon or as a Common Gateway Interface (CGI) executable. On a web server the result of the interpreted and executed PHP code which may be any type of, data, such as generated HTML or binary image data – would form the whole or part of a HTTP response.

• **Feasibility Study**

System testing is the stage of implementation, which is aimed at ensuring that the system works accurately and efficiently before live operation commences. Testing is the process of executing the program with the intent of finding errors and missing operations and also a complete verification to determine whether the objectives are met and the user requirements are satisfied. The ultimate aim is quality assurance.

Tests are carried out and the results are compared with the expected document. In the case of erroneous results, debugging is done. Using detailed testing strategies a test plan is carried out on each module. The various tests performed in “Network Backup System” are unit testing, integration testing and user acceptance testing.

Unit Testing:

The software units in a system are modules and routines that are assembled and integrated to perform a specific function. Unit testing focuses first on modules, independently of one another, to locate errors. This enables, to detect errors in coding and logic that are contained within each module. This testing includes entering data and ascertaining if the value matches to the type and size supported by java. The various controls are tested to ensure that each performs its action as required.

Integration Testing:

Data can be lost across any interface, one module can have an adverse effect on another, sub functions when combined, may not produce the desired major functions. Integration testing is a systematic testing to discover errors associated within the interface. The objective is to take unit tested modules and build a program structure. All the modules are combined and tested as a whole. Here the Server module and Client module options are integrated and tested. This testing provides the assurance that the application is well integrated functional unit with smooth transition of data.

User Acceptance testing:

User acceptance of a system is the key factor for the success of any system. The system under consideration is tested for user acceptance by constantly keeping in touch with the system users at time of developing and making changes whenever required.

• PROJECT CONCLUSION

Conclusion:

By the time of training at AddWeb Solution I get an introduction to the web Development and also able to create my own website page using various method like Bootstrap and Xampp server(PhpMyadmin). This course gives a basic idea to a person about creating a web page using different languages and styling over a course of Eight weeks so that a person can become comfortable in the field and he/she if wanted can be able to pursue a career in this and can go deep into the libraries used in the training. The Languages such as HTML, SQL and PHP are very easy and user friendly so that a person can able to focus more on the web developing aspect on the other hand he/she can also able to switch to the web designing in web development if he/she is comfortable in it.

Future Scope

The Web Developer bears the responsibility for the coding, design, and layout of the website according to the company's specifications. A website is more important than anything for every business when it comes to reaching clients online. Every business knows today the need to have a website and is trying to design and create the best website to take its products or services online. With incredible progress in launching websites, businesses are searching for people who can build outstanding designs and platforms for their online presence. Web developers and designers bring their technical skills and experience to the creation and production of exclusive websites capable of attracting the crowd. They are striving to create more reliable sites through all-new frameworks, tools, and advancements.

REFERENCE

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