VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

"SITE TO SELL COURSES"
Submitted in partial fulfilment for the award of degree(18CSI85)

BACHELOR OF ENGINEERING IN
CSE

Submitted
SRINIVAS R
1BY19CS157

Conducted at

VARCONS TECHNOLOGIES PVT LTD

BMS INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CSE
ACCREDITED BY NBA, BENGALURU

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DEPARTMENT OF CSE
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CERTIFICATE

This is to certify that the Internship titled **"SITE TO SELL COURSES"** carried out by **Mr. SRINIVAS R,** a bonafide student of BMS Institute of Technology, in partial fulfillment for the award of **Bachelor of Engineering**, in **CSE** under Visvesvaraya Technological University,Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of

Internship prescribed for the course Internship / Professional Practice (18CSI85)

Signature of Guide   **Signature of HOD**   **Signature of Principal**

External Viva:

Name of the Examiner   Signature with Date

1)_____
   _____

2)_____
   _____

D E C L A R A T I O N

I, **SRINIVAS R**, final year student of Computer Science, of BMS Institute of Technology -560064, declare that the Internship has been successfully completed, in **VARCONS TECHNOLOGIES PVT LTD**. This report is submitted in partial fulfillment of the requirements for award of Bachelor Degree in Branch name, during the academic year 2022-2023.

Date : 25-09-22

Place : Bengaluru

USN : 1BY19CS157

NAME : SRINIVAS R

OFFER LETTER

INTERNSHIP OFFER LETTER

Date: 6th February, 2023

Name: **Srinivas R**
USN: **1BY19CS157**

Dear Student,

We would like to congratulate you on being selected for the **Full Stack Web Devlopment** Internship position with **Varcons Technologies**, effective Start Date **6th February, 2023**, All of us are excited about this opportunity provided to you!

This internship is viewed as being an educational opportunity for you, rather than a part-time job. As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts of **Full Stack Web Devlopment** through hands-on application of the knowledge you learn while you train with the senior developers. You will be bound to follow the rules and regulations of the company during your internship duration.

Again, congratulations and we look forward to working with you!.

Sincerely,

Spoorthi H C
Director
VARCONS TECHNOLOGIES
213, 2st Floor, 18 M G Road, Ulsoor,
Bangalore-560001

A C K N O W L E D G E M E N T

This Internship is a result of accumulated guidance, direction and support of several important persons. I take this opportunity to express our gratitude to all who have helped me to complete the Internship.

I express my sincere thanks to my Principal Dr Mohan Babu B N, for providing me adequate facilities to undertake this Internship.

I would like to thank our Head of Dept Dr Thippeswamy G, for providing me an opportunity to carry out Internship and for his valuable guidance and support.

I express my deep and profound gratitude to our guide, Guide name, Assistant/Associate Prof, for her keen interest and encouragement at every step in completing the Internship.

I would like to thank all the faculty members of our department for the support extended during the course of Internship.

I would like to thank the non-teaching members of our dept, forhelping us during the Internship.

Last but not the least, I would like to thank our parents and friends without whose constant help, the completion of Internship would have not been possible.

Name: Srinivas R

USN : 1BY19CS157

ABSTRACT

Full stack web development could be a pace growing branch of CSE sector because of its successive step towards making the long run in the IT industry. Full stack developers manage the rear end (backend) and front- end development of web site or an online application. They handle the info, clients, system engineering and style. Full stack developer is in demand since of their skills and mastery of web development, due to this vast demand the remuneration of full stack developers is additionally high as compared to alternative jobs. Full stack developer in the main works on web stack, native application stack or mobile stack. Since, they accompany each server-side development and clientside development, full stack developers head the arrange of action and keep a track of the progress of the project. Within the finish of the paper, we will clearly outline Vision, Challenges and Future scope of Full Stack Web Development. Full stack web development is the scenario of acting on each, the front-end and back-end of a program. It is a term largely used for those operating in web development. The developers have background on making program and user expertise for front-end, and even have robust information in an exceedingly programing language that's used for handling the logic of the appliance, therefore back-end.

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CHAPTER-1

COMPANY PROFILE

A Brief History of Varcons Technologies

Varcons Technologies, was incorporated with a goal "To provide high quality and optimal Technological Solutions to business requirements of our clients". Every business is a different and has a unique business model and so are the technological requirements. They understand this and hence the solutions provided to these requirements are different as well. They focus on clients requirements and provide them with tailor made technological solutions. They also understand that Reach of their Product to its targeted market or the automation of the existing process into e-client and simple process are the key features that our clients desire from Technological Solution they are looking for and these are the features that we focus on while designing the solutions for their clients.

Sarvamoola Software Services. is a Technology Organization providing solutions for all web design and development, MYSQL, PYTHON Programming, HTML, CSS, ASP.NET and LINQ. Meeting the ever increasing automation requirements, Sarvamoola Software Services. specialize in ERP, Connectivity, SEO Services, Conference Management, effective web promotion and tailor-made software products, designing solutions best suiting clients requirements.

Varcons Technologies, strive to be the front runner in creativity and innovation in software development through their well-researched expertise and establish it as an out of the box software development company in Bangalore, India. As a software development company, they translate this software development expertise into value for their customers through their professional solutions.

They understand that the best desired output can be achieved only by understanding the clients demand better. Varcons Technologies work with their clients and help them todefiine their exact solution requirement. Sometimes even they wonder that they have completely redefined their solution or new application requirement during the brainstormingsession, and here they position themselves as an IT solutions consulting group comprising of high caliber consultants.

They believe that Technology when used properly can help any business to scale and achieve new heights of success. It helps Improve its efficiency, profitability, reliability; to put it in one sentence " Technology helps you to Delight your Customers" and that is what we wantto achieve.

CHAPTER 2

ABOUT THE COMPANY
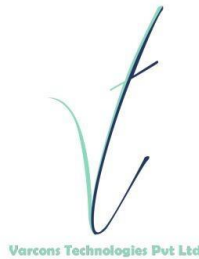
Varcons Technologies is a leading provider of cutting-edge technologies and services, offering scalable solutions for businesses of all sizes. Founded by a group of friends who started by scribbling their ideas on a piece of paper, today we offer smart, innovative services to dozens of clients. We develop SaaS products, provide Corporate Seminars, Industrial trainings and much more.

Products of Varcons Technologies.

Android Apps

It is the process by which new applications are created for devices running the Android operating system. Applications are usually developed in Java (and/or Kotlin; or other such option) programming language using the Android software development kit (SDK), but other development environments are also available, some such as Kotlin support the exact same Android APIs (and bytecode), while others such as Go have restricted API access.

The Android software development kit includes a comprehensive set of development tools. These include a debugger, libraries, a handset emulator based on QEMU, documentation, sample code, and zutorials. Currently supported development platforms include computers running Linux (any modern desktop Linux distribution), Mac OS X 10.5.8 or later, and Windows 7 or later. As of March 2015, the SDK is not available on Android itself, but softwaredevelopment is possible by using specialized Android applications.

Web Application

It is a client–server computer program in which the client (including the user interface and client- side logic) runs in a web browser. Common web applications include web mail, online retail sales, online auctions, wikis, instant messaging services and many other functions. web applications use web documents written in a standard format such as HTML and JavaScript,which are supported by a variety of web browsers. Web applications can be considered as a specifific variant of client–server software where the client software is

downloaded to the client machine when visiting the relevant web page, using standard procedures such as HTTP. The Client web software updates may happen each time the web page is visited. During the session, the web browser interprets and displays the pages, and acts as the universal client for any web application. The use of web application frameworks can often reduce the number of errors in a program, both by making the code simpler, and by allowing one team to concentrate on the framework while another focuses on a specifified use case. In applications which are exposed to constant hacking attempts on the Internet, security-related problems can be caused by errors in the program.

Frameworks can also promote the use of best practices such as GET after POST. There are some who view a web application as a two-tier architecture. This can be a "smart" client that performs all the work and queries a "dumb" server, or a "dumb" client that relies on a "smart" server. The client would handle the presentation tier, the server would have the database (storage tier), and the business logic (application tier) would be on one of them or on both. While this increases the scalability of the applications and separates the display and the database, it still doesn''t allow for true specialization of layers, so most applications will outgrow this model. An emerging strategy for application software companies is to provide web access to software previously distributed as local applications. Depending on the type of application, it may require the development of an entirely different browser-based interface, or merely adapting an existing application to use different presentation technology. These programs allow the user to pay a monthly or yearly fee for use of a software application without having to install it on a local hard drive. A company which follows this strategy is known as an application service provider (ASP), and ASPs are currently receiving much attention in the software industry.

Security breaches on these kinds of applications are a major concern because it can involve both enterprise information and private customer data. Protecting these assets is an important part of any web application and there are some key operational areas that must be included in the development process. This includes processes for authentication, authorization, asset handling, input, and logging and auditing. Building security into the applications from the beginning can be more effective and less disruptive in the long run.

Web design

It is encompasses many different skills and disciplines in the production and maintenance of websites. The different areas of web design include web graphic design; interface design; authoring, including standardized code and proprietary software; user experience design; and search engine optimization. The term web design is normally used to describe the design process relating to the front-end (client side) design of a website including writing mark up. Web design partially overlaps web engineering in the broader scope of web development. Web designers are expected to have an awareness of usability and if their role involves creating mark

up then they are also expected to be up to date with web accessibility guidelines. Web design partially overlaps web engineering in the broader scope of web development.

Departments and services offered

VarconsTechnologies plays an essential role as an institute, the level of education, development of student's skills are based on their trainers. If you do not have a good mentor then you may lag in many things from others and that is why we at Varcons Technologies gives you the facility of skilled employees so that you do not feel unsecured aboutthe academics. Personality development and academic status are some of those things which lie on mentor's hands. If you are trained well then you can do well in your future and knowing its importance of Compsoft Technologies always tries to give you the best.

They have a great team of skilled mentors who are always ready to direct their trainees in the best possible way they can and to ensure the skills of mentors we held many skill development programs as well so that each and every mentor can develop their own skills with the demands of the companies so that they can prepare a complete packaged trainee.

Services provided by Varcons Technologies.

• Core Java and Advanced Java

• Web services and development

• Dot Net Framework

• Python

• Selenium Testing

• Conference / Event Management Service

• Academic Project Guidance

• On The Job Training

• Software Training

CHAPTER-3

INTRODUCTION

Introduction to Web Apps

Web applications are similar to the traditional applications you'd install on your Information, such as Microsoft Office. They are able to perform the same kinds of tasks, they look the same and they feel the same but there is one key difference - the application itself is not installed on your phone or Information, but lives in the cloud. Web apps are not new, but it used to be that they were often unable to compete with more traditional applications for business critical functions or where rich user interaction was required. This is no longer the case. With the power of modern web technologies, we are able to design and build performing, secure, and feature rich applications that live in the cloud and bring with them a huge number of benefits.

1. *They can be accessed from anywhere.*

- Because web applications are built with web technologies and they run in a web browser Internet Explorer, Google Chrome, Mozilla Firefox – this allows them to be accessed from every web enabled tool. As long as you have an internet connection you can use them.

- It allows for remote working, it allows for rapid publishing of content, it allows for real time collaboration between teams. If you have web access, you have the ability to access your business tools.

2. *They are cost effective.*

- Web applications are cheaper to produce and maintain than traditional applications. No matter how many platforms your business uses (Mac, Linux, Windows) web application build can be used across them all.

3. *They benefit from more rapid update cycles.*

- A huge benefit of web applications is that when an update is released, all of your usersare immediately using that version. This doesn't happen with installed applications, especially in large organizations with IT policies that restrict administrator access.

4. *They are secure.*

- Web developers have had to become experts in security – the web is a platform designed to share everything with everyone! As such, the types and levels of security included in web applications are often far greater than those seen in traditional applications.

- They also benefit from the ability to launch updates in real-time – the application on the servers is the application people are using. The applications on people's laptops however is the version last installed. And when those laptops get left on a train it's not a concern, as nothing is stored locally.

5. They enable more computing with fewer Information.

- Web applications push all of the hard work to the servers, and act as intermediaries between the user interface and the calculations happening behind the scenes. This means you can accomplish terrifyingly complex work on a tablet, or your phone.
- We've built web applications that allow people to understand the complex relationships between 250,000 pieces of art on their phones, and applications that run the business systems of one of the largest solar energy providers in the world. Often these productsare not financially viable to build using traditional application processes.

Problem Statement

Develop an application which facilitates creation of web pages having a need to install any HTML editor based software and also which can be used by any novice user (no HTML knowledge needed) that is developing web pages on the online. This module is designed to reduce the process involved in managing the activity of customers and business where the business can sell their services and the customers can buy those.

Introduction to B2C Ecommerce Website Development with Admin Panel

B2C E-commerce website content providers to focus on creating effective assessment questions and focusing on providing a platform for easy access between Buyer and Consumer.

Here we present techniques that are pertinent to the elements of assessment process: answers submission, Informationized grading, and feedback after submission. As the modern organizations are automated and Informations are working as per the instructions, it becomes essential for the coordination of human beings, commodity and Informations in a modern

organization.

CHAPTER-4

PROPOSED SYSTEM

Full stack developers are also termed as "developer generalists", as they will produce any complicated application from scratch, provided they have understood how each and every technical layer ought to act with the other. As Full stack web development refers to the both of each front-end and back-end of an online application, web application, the development method contains 3 layers,

i.e., the logic layer (back-end layer),

the presentation layer (frontend layer) and

the information layer (database layer).

The major stacks of full stack web development that are commonly used to develop websites and applications are

• Linux Apache MySQL PHP (LAMP)

• Cross-Platform Apache MariaDB PHP (XAMPP)

• MongoDB Express Angular Node.js (MEAN)

• Windows Apache MySQL PHP (WAMP)

• Apache MySQL PHP PERL Softaculous (AMPPS)

LAMP stack stands for Linux operating system, Apache server, My SQL Query Language, and PHP server-side scripting language. All of these are opensource tools which are free to use, and has contributed in creating many of the developments. The lamp stack comes as the very common stack in deploying websites and applications, to the internet. XAMPP is an acronym for Cross-platform(X), Apache(A), MariaDB, And PHP server-side or Perl(P) backend language. XAMPP is the best distribution in the industry that helps developers use local web server for deploying and testing web programs. It is being designed to simply deploy and run the web applications on the web server. MEAN is commonly used open-source stack that is used to build the production ready web applications. This stack indicates four things which are MongoDB

NoSQL database, Express framework, Angular development platform, and Node.js execution environment. MongoDB is the database having NoSQL, and Express is most common framework that helps to create the applications like Todo Lists used in everyday life. Angular is the JavaScript client-side platform used to make client-side web applications, and Node.js is the execution environment, used worldwide to create the on-site and of-site web applications and websites.
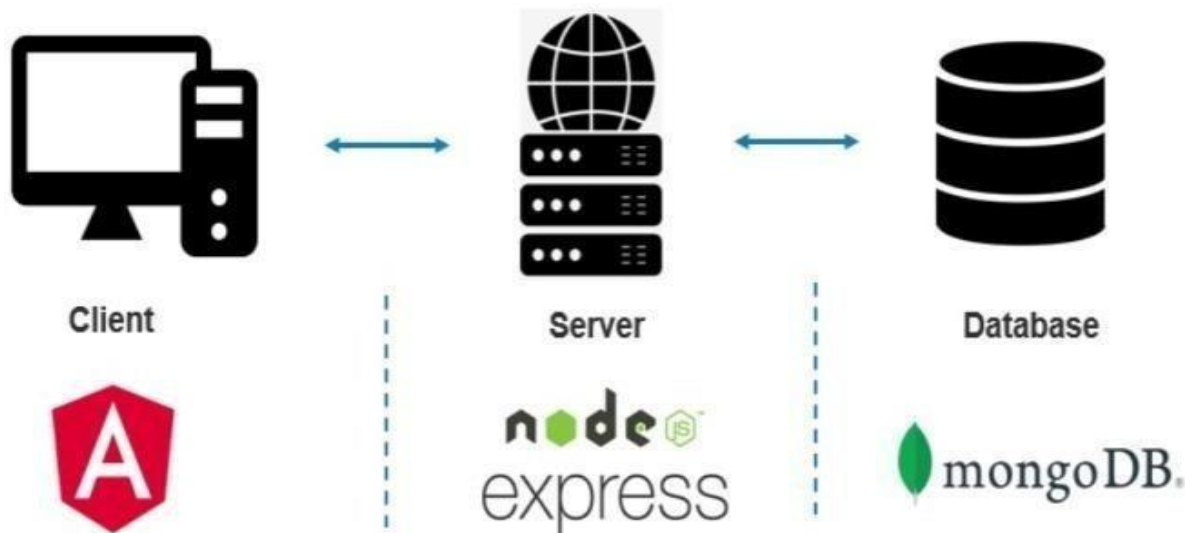
DATA   FLOW   DIAGRAM

. COMPONENTS OF FSWD

The components of Full Stack Web Development are-

• Front-end

• Back-end

• Database

• Version Control

(a.) **Front-end** is the part that users see when they visit the websites, web-applications. The two most important types of front-end designs are- • User Experience (UX) • User Interface (UI) From the programmer's perspective front-end or the part that users see when they visit the website is mainly about the design and to make to look it good somehow. The above elements UX, UI are taken in consideration in developing web programs or web pages, apps or applications for iOS or Android, Windows or MacOS. In earlier time when somebody say "front-end" the three languages that came in programmers mind were HTML (Hyper Text Markup Language), CSS (Cascading Style Sheets), JS(JavaScript). These languages are still used as the most preferred languages in developing webpages, websites because of their major scope in the development industry.

(b.) **Back-end** is the part that is hidden from the users but is a part of the development process. The back-end part can be divided into two types –

• The server

• The application

The server handles all the requests that came from application's code. There are many relations

between application source code and server requests, so therefore server keeps synchronizing from time-totime with application's code. The block parts of the code such as async- wait, try-catch, sync blocks are good examples of such codes. The server handles them according to their request type and response to client-side(front-end) or server-side(back-end) depending on the types of callbacks present in the code. The architecture of the server contains requests-responses tier that communicates to make synchronization successful and helps the application run smoothly. The application acts as an intermediate between the server and the database communicating all the data and requests that server or database needed in order to get the required output. The application basically contains all the code that is logical and functional which run on the server/host of website/application based on the specific requirements of the product/app/website. There are many technologies available on the Internet that helps in creating the backend of the website/application. Some examples including PHP, Node.js, Angular2, Ruby on Rails, Java (for coding of mobile applications), Laravel (which is known as framework of PHP) are most trending and helpful in creating the back-end part of the web applications, websites, mobile-apps, etc.

USER	HTML & CSS Graphical User Interface FRONT END	MYSQL DATABASE STORAGE FACILITY BACK-END
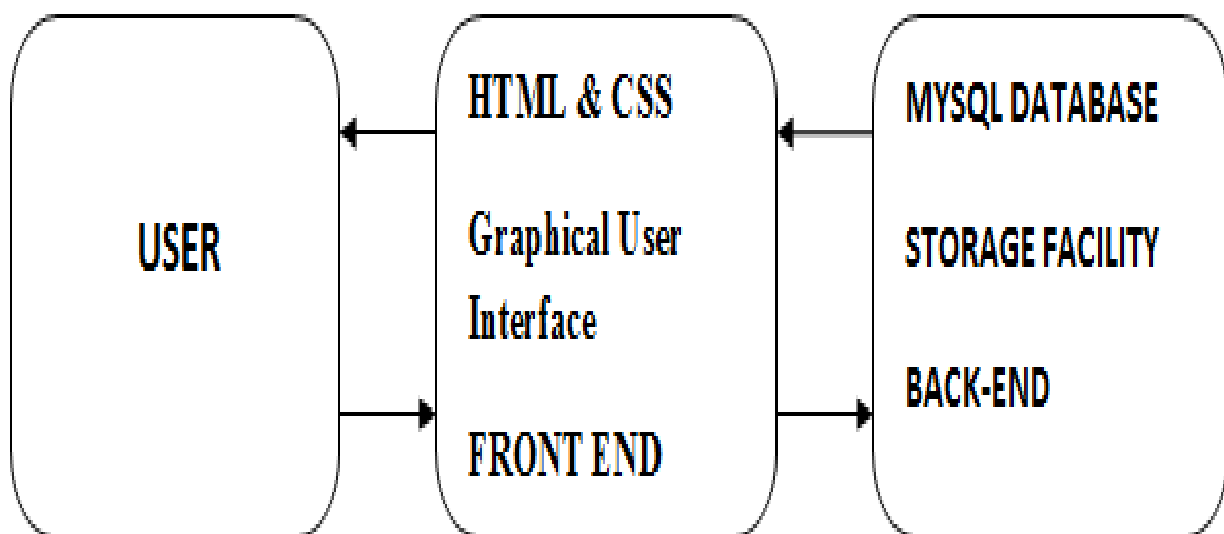
(c.) **Database** is the storage component in the fullstack web-development that contains all the data present in form of tables containing rows(tuples) and columns(attributes) which on requests sends data through secure transmission channel to help the application perform dynamically with a huge size of data able to send and receive simultaneously. Some examples of databases are MY-SQL, MongoDB, CouchDB, MS-SQL, etc. which comes handy while creating strong applications needing a good backendsupport.

(d.) **Version Control** being called as source control, is the type of component in the full stack web development that is used to track and manage the changes to software code from time to time. There are mainly three types of version control system:

- Local Version Control System

- Centralized Version Control System

- Distributed Version Control System

The local version control system is available locally on your system and users are able to store every file as a repository in this system. To check the last version of the file it is important to add up all the file versions to the repository in order. The main problem with this system is that everything is stored locally, if anything happened to the local database, all of the patches will be lost. If something happened to the single version, all the changes made would also be lost. Also, collaborating with other developers for the same project or team becomes hard.

The centralized version control is the system in which there is one single center server which has all the file versions. This enables the multiple clients to work simultaneously and helps them to access files from server, pull them into own computer or push them all again onto the server from their computer. This helps in easy collaboration with other developers or a team for any project they are on to. The biggest issue with this system is that everything is stored on the centralized server. If something went wrong to that server, everybody will lose their important data and would never able to collaborate at all.

The distributed version control system is a system in which clients don't just check out the files from the server, they fully clone the repository, including its full history. Therefore, everyone collaborating on a project owns a local copy of the whole project. The main advantage of this model is that if the server becomes unavailable or destroyed, any of the client can send a copy of the project version to any other client or project member back to the server, when server is available and working fine. Example for the distributed version control systems is Git/GitHub.

CHAPTER-5

SYSTEM AND REQUIREMENT ANALYSIS

Hardware Requirement Specification

- MySQL

- NODE JS

- Notepad++ Editor

- Processor: Intel core i5 processer

- Memory: 15.6 GB

- Hard Disk: 40 GB

Software Requirement Specification

A] Functional Requirements

- Front-end Languages and Frameworks (HTML, CSS, JavaScript)
- Backend Technologies and Frameworks (NodeJS, ExpressJS, Django, Flask, C++)
- Database Management Systems (MySQL, SQL SERVER and PostgreSQL, MongoDB, and Oracle Database),
- . Version Control, and Web Hosting Platforms

B] Non-Functional Requirements

- *Availability*

The online registration system shall permit backing up of the registration database whileother registration actives are going on.

- *Accessibility*

The system shall be accessible by people with specific vision needs to the extent that a user shall be able to display whole user interface in a larger font without truncating displayed text or other values.

- *Security*

The access permissions for system data may only be change by the systems data administrator passwords shall never be viewable at the point of entry or any other time.

CHAPTER-6

DESIGN ANALYSIS
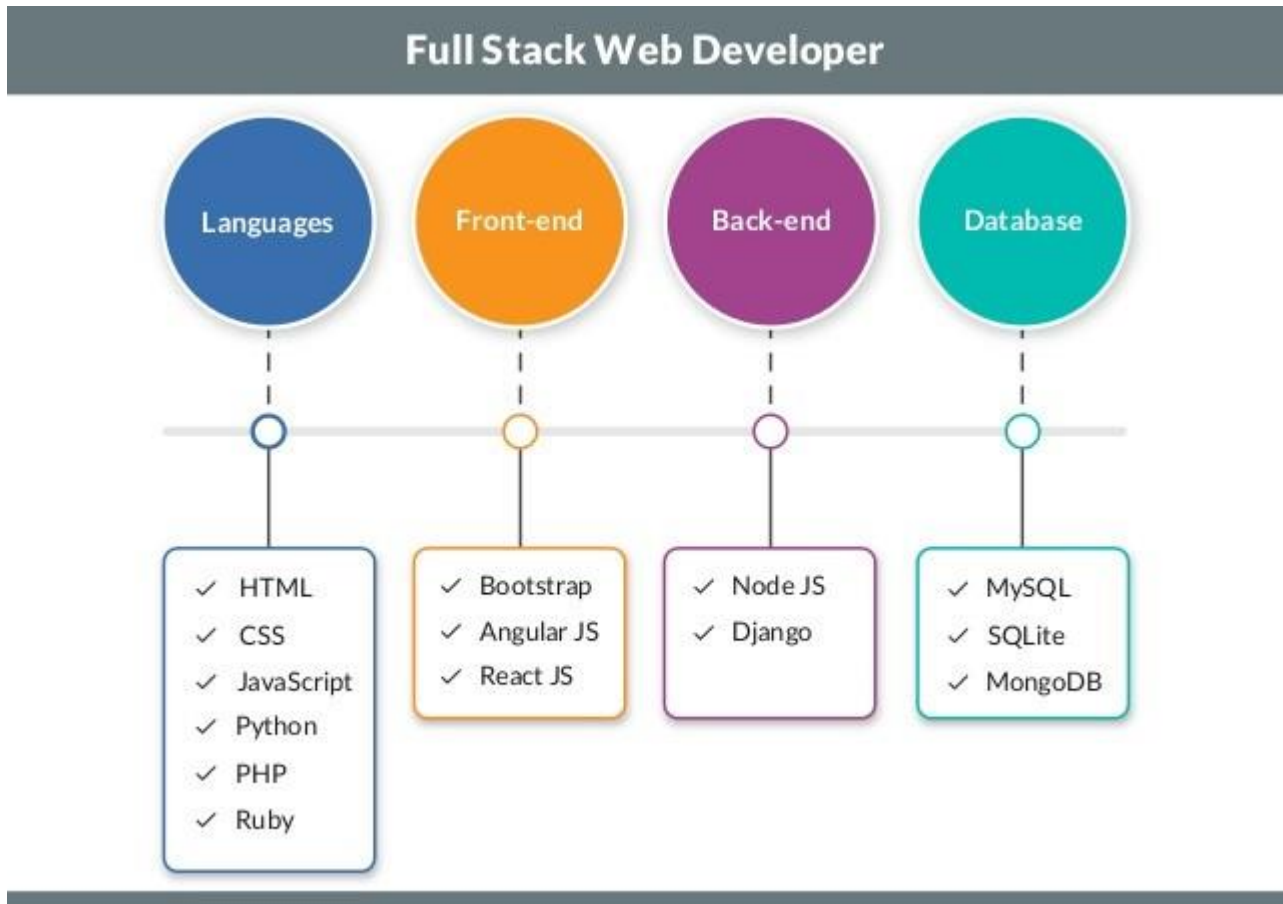
The Web development industry will find two kinds of developers. i.e. Front-end developers and Back-end developers[3]. Front-end developers require to have knowledge of HTML, CSS, and a programming language to add effects and more to the front – end i.e. JavaScript. They build the web sites display and effects which are shown to the clients by converting the designer's design [3].Back-end Developers build the business logic behind any web application. The actions for instance adding and retrieving news highlights to and from a web applications, or sending email from a web based forms, or authenticating a visitors or clients credentials are all part of back-end developers. A backend developers need to know languages like PHP, .NET, Java, and others [3][4].Back-end developers should also have knowledge of databases like My SQL, Oracle, and SQL Server, or should hire or entrust a database administrator to work with the flow. A database administrator will take care of database server and ensure its smooth performance [5] [4]. Full stack developers are jack of all trades, and they are the one who do all. Mostly back-end developers are required to have skills of front-end

developers and vice versa and have extra burden on them of learning additional skills set[4].So it is clear that for a developer to become full stack, he have to have expertise in languages of three kinds, i.e. Client Side languages such as Java script along with HTML and CSS, Server Side Languages such as PHP, .NET, Java, Ruby, etc, and database expertise such as SQL Server, MySQL Server, and Oracle
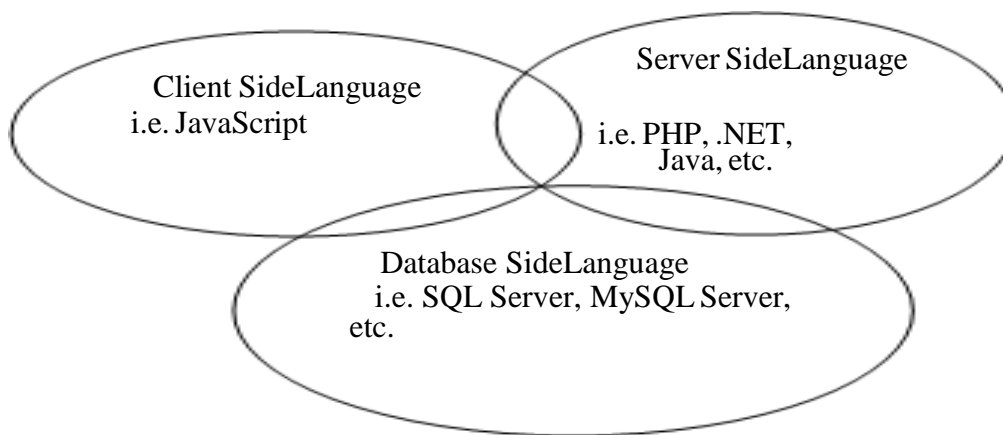
Front end: It is the visible part of website or web application which is responsible for user experience. The user directly interacts with the front end portion of the web application or website.

Front end Languages: The front end portion is built by using some languages which are discussed below:

- **HTML:** HTML stands for Hyper Text Markup Language. It is used to design the front end portion of web pages using markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between the web pages. The markup language is used to define the text documentation within tag which defines the structure of web pages.

- **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.

- **JavaScript:** JavaScript is a famous scripting language used to create the magic on the sites to make the site interactive for the user. It is used to enhancing the functionality of a website to running cool games and web-based software.

Front End Frameworks and Libraries:

- AngularJS: AngularJs is a JavaScript open source front-end framework that is mainly used to develop single page web applications(SPAs). It is a continuously growing and expanding framework which provides better ways for developing

web applications. It changes the static HTML to dynamic HTML. It is an open source project which can be freely used and changed by anyone. It extends HTML attributes with Directives, and data is bound with HTML.

- **React.js:** React is a declarative, efficient, and flexible JavaScript library for building user interfaces. ReactJS is an open-source, component-based front end library responsible only for the view layer of the application. It is maintained by Facebook.

- **Bootstrap:** Bootstrap is a free and open-source tool collection for creating responsive websites and web applications. It is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first web sites.

- **jQuery:** jQuery is an open source JavaScript library that simplifies the interactions between an HTML/CSS document, or more precisely the Document Object Model (DOM), and JavaScript. Elaborating the terms, jQuery simplifies HTML document traversing and manipulation, browser event handling, DOM animations, Ajax interactions, and cross-browser JavaScript development.

- **SASS:** It is the most reliable, mature and robust CSS extension language. It is used to extend the functionality of an existing CSS of a site including everything from variables, inheritance, and nesting with ease.

- Some other libraries and frameworks are: Semantic-UI, Foundation, Materialize, Backbone.js, Express.js, Ember.js etc.

CHAPTER-7

IMPLEMENTATION

Implementation is the stage where the theoretical design is turned into a working system. The most crucial stage in achieving a new successful system and in giving confidence on the new system for the users that it will work efficiently and effectively.

The system can be implemented only after thorough testing is done and if it is found to work according to the specification. It involves careful planning, investigation of the current system and it constraints on implementation, design of methods to achieve the change over and an evaluation of change over methods a part from planning.

Two major tasks of preparing the implementation are education and training of the users and testing of the system. The more complex the system being implemented, the more involved will be the system analysis and design effort required just for implementation.

The implementation phase comprises of several activities. The required hardware and software acquisition is carried out. The system may require some software to be developed. For this, programs are written and tested. The user then changes over to his new fully tested system and the old system is discontinued.

TESTING

The testing phase is an important part of software development. It is the Information zed system will help in automate process of finding errors and missing operations and also a complete verification to determine whether the objectives are met and the user requirements are satisfied. Software testing is carried out in three steps:

1. The first includes unit testing, where in each module is tested to provide its correctness, validity and also determine any missing operations and to verify whether theobjectives have been met. Errors are noted down and corrected immediately.

2. Unit testing is the important and major part of the project. So errors are rectified easily in particular module and program clarity is increased. In this project entire system is divided into several modules and is developed individually. So unit testing is conducted to individual modules.

3. The second step includes Integration testing. It need not be the case, the software whose modules when run individually and showing perfect results, will also show perfect results when run as a whole.

CHAPTER-8

SNAPSHOTS

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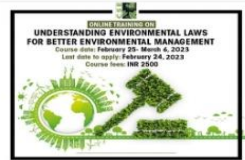
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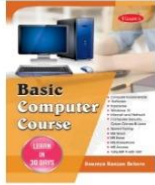
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CHAPTER-9

CONCLUSION

These days, full stack developers are in huge demand due to trend of websites and e-commerce in the modern world. Companies like to hire them due to number of reasons. FSWDs are able to work in multiple environments such as Front-end and backend simultaneously. It gives companies the huge profit as they could get lot of work done by few professionals rather than hiring a bunch of developers to work on all parts of websites/applications. Having knowledge of different platforms stack such as MEAN stack, MERN stack, LAMP stack, WAMP stack, etc. FSWDs are able to put their effort to the project easily and get the required outputs as per benefits of company. The salary of FSWDs is at the increasing rate worldwide as the demand is increasing for the same. Companies are willing to pay more on the basis of more unique skills and abilities of stack development to the talented full stack web developers out there. The future of FSWDs is very bright as the developers are in huge demand and it will keep on increasing with a big rate. Listed below are some of the reasons for the same:

Smaller Teams- With a full-stack web developer in the team, you can keep the team short and smaller teams have many advantages over large ones. Even Jeff Bezos believes that a small team is better than a large team. A large team requires more communication and resources which is less required in smaller team.

Adaptability- Web development is quite a challenging field. There are a lot of factors to consider when developing a new product such as product requirements, languages, tools, plus a large developing team. In case, any of the factors got any problem such as product requirements got changed at any time and also a member leaves the team in such scenarios full stack developers can adapt to these changes quickly and more effectively than other developers.

CHAPTER-10

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