

**WEB APPLICATION DESIGN & DEVELOPMENT FOR THE PURPOSE OF
SOCIAL SUPPORT**

BY

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This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering

Supervised By

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DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

MAY 2018

APPROVAL

This Project/internship titled “**WEB APPLICATION DESIGN & DEVELOPMENT FOR THE PURPOSE OF SOCIAL SUPPOERT**”, submitted by MUSHFIQUR RAHMAN, ID No: 142-15-3652 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 07 May 2018.

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DECLARATION

I hereby declare that, this project has been done by me under the supervision of **Ms. Samia Nawshin, Lecturer, Department of CSE** Daffodil International University. I also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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ACKNOWLEDGEMENT

First I express our heartiest thanks and gratefulness to almighty God for His divine blessing makes us possible to complete the final year internship successfully.

I'm really grateful and wish our profound our indebtedness to **Ms. Samia Nawshin, Lecturer**, Department of CSE Daffodil International University, Dhaka. Deep Knowledge & keen interest of our supervisor in the field of Web Application Design & Development to carry out this project. Her endless patience, scholarly guidance, continual encouragement, constant and energetic supervision, valuable advice ,reading many inferior draft and correcting them at all stage have made it possible to complete this project.

I would like to express our heartiest gratitude to **Dr. Syed Akhter Hossain, Professor and Head**, Department of CSE, for his kind help to finish our project and also to other faculty member and the staff of CSE department of Daffodil International University.

I would like to thank our entire course mate in Daffodil International University, who took part in this discuss while completing the course work.

I would like to show my gratitude towards **Mr. Syed Zubair Hossain, Director & CEO**, along with my onsite supervisor, **Shimul Chowdhury, Software Engineer** and Divine IT Limited. They are supportive to me. I cannot thank enough to all the personnel of Divine IT Limited. They explained everything I ask for in details. They do not allow me to feel uncomfortable for even a single moment. I am grateful to all for their supportive and friendly behavior.

Finally, we must acknowledge with due respect the constant support and patients of our parents.



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Date : February 11, 2018
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To Whom It May Concern

This is to certify that **Mr. Mushfiqur Rahman**, a Computer Science & Engineering student from **Daffodil International University**, successfully completed Five months long internship at Divine IT Limited from September 10, 2017 to February 11, 2018.

His internship activity includes web design & development, documentation of the respective project etc. During the period of his internship program with us, he had been exposed to different process was found punctual, hardworking and inquisitive.

To the best of my knowledge, he was not engaged with any subversive activities to the state as well as the organization.

I wish his every success in life and career.

Sincerely



Fatema Farhana

Fatema Farhana Tanbeer
Asst. Manager, HRD
Divine IT Limited

ABSTRACT

This report is based on my internship experience. I have completed my internship as a part of my entire curriculum of BSc. in Computer Science and Engineering from Daffodil International University. During this internship period students receive supervised practical training in his/her field. Internships are often very closely relate to the student's academic and career goals. Internship helps students to gain knowledge about particular fields and helps to get a proper job.

I had an internship on “Web Design and Development” at a leading software company named Divine IT Limited. There I had many responsibilities like installing and configuring XAMPP server, installing and configuring IDE’s, testing the different browsers, creating domain and hosting a site using FileZilla tools and constructing database for my project.

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CHAPTER 1

Introduction

1.1 Introduction:

The world is immensely aggressive now. In every single sphere of corporate life, competition has grown to be livelier. Every IT industry desires to attain and maintain skilled personnel to fulfill the future demanding situations. In this opposition, acquiring and keeping the great personnel has grown to be very important, as employees are that elements who continue to the route of profit.

In a developing country like Bangladesh- inside the remaining decades, the country has made notable economic development with GDP boom price of more than 8 percent. It is argued that there may be a tremendous prospect for the country to jump into industrialized economic system via the development of the IT area. Because Bangladesh has exceptionally influenced potential to come to be an outstanding source of skilled human assets with its cultural recognition capability, analytical functionality, English language capabilities and a large range of knowledgeable and lively youths with vibrant skills, good fine and natural capability in software improvement. However, the IT area has no longer but been growing as a whole lot as expected. The IT zone mainly focuses in the capital of Dhaka metropolis of Bangladesh.

Software and IT service industry in Bangladesh has crossed a long road over the last few decades. Our IT industries are not any extra remaining at the sideline. It has already joined in most people. Not best the IT industry is contributing eloquently in the countrywide income, however also it has already made excessive quality employment for a large a part of young graduates of the country.

1.2 Motivation:

As we realize, Bangladesh has become one of the huge investor in IT region. Considerable achievements in the IT area have already remodeled several years to construct a 'Digital Bangladesh'. However, the ones initiative gave me a number of concept to build my career in IT region. There are such a lot of sectors to build profession in IT enterprise but I choose web design and developing. It is one of the best discipline to operate my creativity. I can grow to be my own boss with the aid of focused on internet markets. I can earn and end up independent via concentrated on each nearby and overseas customer via web development quarter.

I can design and develop according to customers need. As we know designing is a creative work and I can show my creativity by developing it. Divine IT Limited provided me an opportunity to learn and work together with them. Their guidance and support taught me how to build an websites, understand customers need's, taught me to handle stuff of development and design, cope up with my team member and also develop my skills so that I can become entrepreneur.

My heartiest thanks to my office and other team member who take me to this sector and fulfill my dreams.

1.3 Internship Objectives:

My first objective is to higher apprehend the existence cycle of software improvement and control. In that case my internship became a huge opportunity to earn fingers on realistic education in an expert discipline.

1.3.1 Major objective:

Academic theoretical knowledge can never satisfy the information of developing websites. The industry has to preserve lot things to reach net growing and designing to root stage

customers. These workings and questioning can most effectively be executed through working with them.

1.3.2 Specific objective:

- Understand the importance of the web application as a medium of communication.
- Understand the ethics of making powerful web sites.
- Different positioning strategy of Divine IT Limited.
- Market monitoring of Divine IT Limited program.
- Learn the language of the web: HTML and CSS. In addition, Server scripting language PHP, JavaScript, JQuery, Node JS.
- Learn to understand the client problems and their requirements.
- Build up a good personality to work with team members.
- Implement and understand how to interpret basic web analytics.

1.4 Introduction to the company:

I have completed my 5 months Internship from Divine IT Limited. Divine IT Limited is a leading IT firm in Bangladesh, having commenced its operations from 2005, established by a group of young entrepreneurs. Divine IT Limited offers all kinds of Commercial, Corporate and Personal web based & mobile application services including software solutions, e-commerce solutions and business institution support. We have hosting, backup, development and add-on services. Our enterprise products are prismERP, Linespay, Onebook and Centroid. We combine internet expertise, creative talent, e-commerce experience and business knowledge to help clients across a variety of industries achieve rapid, measurable online results. As a full service agency, we have years of experience in creative design, customization, technical development, third party integration (ERP Systems, POS Systems, Warehousing & Fulfillment, etc.), quality assurance and support. With a focus on high-end e-commerce and Web application development, most of the business of the company is conducted overseas. Divine IT Limited is one of the IT firms, which simplify all kinds of facilities that an IT firm offers.

1.5 Report Layout:

There are few steps of the entire system of report writing. During my internship duration, I had to make report of my normal work. Layout are-

1.5.1 Summary:

Introduction, Motivation, Company details and internship objectives are the summary part of the report.

1.5.2 About Organization:

In this section, tell the reader exactly about organization. Organization task and their activities, analysis part and the structure of the organization.

1.5.3 Task & Activities:

This is the heart of the report and will largely determine your grade on it. Task and activities shown in details. What you did during in your internship report is the main perspective of this report.

1.5.4 Expected Achievements:

This part describe your competencies that you earned. During the internship process, what you achieve is shown on this report part.

1.5.4 Appendix:

Include samples of the work you did at the internship. Show a variety of work, which you did in your internship period. This include here will be determined by the kind of internship that you had.

CHAPTER 2

Organization

2.1 Introduction:

Divine IT Limited, is a new software firm on a mission to create brilliant software's, websites and blazing fast browser based applications. The spectrum of this company was started in 2005. We provide an end to - end service, including enterprise services, telecom services, mobile application, consumer application, customized software, website update and maintenance, search engine optimization and web marketing. Besides that we have – hosting services, backup services, development and ads-on services. By removing the borders and boundaries, which usually keep brilliant, people apart, our teams provide an uncompromised talent pool from which to select the most suitable individuals. Through this unique approach, company offer creative, extraordinary and effective solutions to build competitive advantage and value for businesses of any size. All this is complex, but it couldn't be simpler for us. Our experienced IT consultants provide a single, local point of contact and act as advocates for your project, selecting suitable team members, drawing up schedules and guiding our significant resources to action. What is more, we practice development transparency, making work logs, work in progress previews, schedules and other development information available in real time via our client portal. Divine IT Limited, closely monitors latest industry leading technologies, software updates and security patches and offers most reliable secured and effective solutions for your organization that definitely beat most of our competitors, with vastly superior customer service and production quality. We enjoy repeat business from almost every client we have worked with.

2.1.1 Services That We Provide:

As a total IT firm in Bangladesh, Divine IT is capable to afford its customers almost any kind of IT services. Our highly skilled team in various sectors presents you with customized

solutions that best fit your business and technology needs. Divine IT Includes following services:

2.1.2 Enterprise Services:

Enterprise application enables organizations to measurable business benefits, increase efficiencies and provide employees, suppliers and clients better user experiences. Enterprise application served by Divine IT Limited includes ERP, HR & Payroll, Accounting, Warehouse Management, LC Management.

Our enterprise products are – PrismERP, Linespay, Onebook & Centroid.

2.1.3 Custom Software:

Total business or office automation is worthy. However, sometimes it is not that much cost effective for small or medium sized organization or you may face problems with current installed software in your organization. In that case, you need custom software that only best fit with your organization. We are happy to do this custom development only for you.

2.1.4 Mobile Applications:

It is so obvious that future of web is totally depends on mobile devices. Divine IT develop mobile applications for iPhone and Android.

2.1.5 Web Applications:

Web application includes efficient website to complex business application. In today's world most of the complex desktop software comes in the form of web application. It gives you the freedom to run your application while you are not even connected with your office intranet.

2.1.6 E-Commerce Solutions:

In this web era, you can even run a business without having your own physical office. Everything is virtual now. You can display your products online, even sell, and collect revenues online via your website and our ecommerce solutions always give you the latest technological service for your business.

Enterprise application: PrismERP, Linespay, Onebook, Centroid

Telecom application: AccounticaVL , Core4VoIP, Core4Swith

2.1.7 Technologies used at Divine IT Limited:

Python, PHP, ASP.NET, Java, Perl, JavaScript, HTML, CSS etc

2.1.8 Databases Systems:

MySQL, PostgreSQL, MS SQL, Oracle.

2.1.9 Hosting Performs:

Cloud Hosting, Dedicated Hosting, Email Hosting

2.1.10 Server Platforms:

Linux, Mac and Windows, android, iOS

2.2 Product & Market Situation:

In this web era, you can even run a business without having your own physical office. Now a day ecommerce has become very popular in Bangladesh. You can display your products online, even sell, and collect revenues online via your website and our ecommerce solutions always give you the latest technological favor for your business.

Divine IT is highly working on e-commerce site. We have clients that require some business strategy for their products.

2.3 Target Group:

At Divine IT, we put customers first, and we believe putting them first is the only thing we need to do, as everything else will follow automatically. Thus for great user experience we put our best effort on what we do for.

Our Client's means "Growing Together". Therefore, we offer our clients in a very distinct way. Our target group of customer's are-

- Cloud Management
- ERP Services
- Business Consulting
- Backup Services
- Development Service
- Graphics Design
- Social Media Marketing
- Digital Marketing
- Web development
- App development
- Product Research
- E-commerce site

2.4 SWOT Analysis:

SWOT Analysis is a useful technique for information your Strengths and Weaknesses, and for detecting each the Opportunities, open to you and the Threats you face. Usually, it's far used to take a look at the business as an entire, for capability as an enterprise.

Every employer has its personal attitude. Strong making plans and proper group work is the main priority of building a higher company. Divine IT Limited has its personal strength, weak point, and possibilities and as traditional threats that every enterprise face. These are the attributes absolutely. So I provide you what we did in our business enterprise and what makes our enterprise well mounted, here goes-

2.4.1 Strengths:

- We are capable of reaction in no time as we haven't any pink tape, and no need for higher control approval.
- We construct suitable capabilities for our personnel to make our employer robust.
- We have appropriate team contributors who are very proficient and aggressive.
- We are able to provide good consumer care, because the cutting-edge small quantity of labor method we've got masses of time to commit to our customers.
- Our security gadget may be very effective.
- We offer appropriate cost to our clients.

2.4.2 Weaknesses:

- We are vulnerable to essential personnel being sick or leaving.
- We have a small workforce with a few talent. Therefore, we try to help them to growth their level first-class.
- Lack of marketing genius in the company.
- Undifferentiated products or services that we provide.
- We are not politically connected at all.

2.4.3 Opportunities:

- Our IT area is increasing, with many destiny opportunities for success. We are trying to get talented human beings in order that we are able to develop our IT enterprise.
- We have a massive quantity of gifted younger folks who works difficult to build their profession in web growing and designing region. We now try and teach them to handle each markets in every possible way to satisfy their dream.
- We strive new technology for organizing our tasks. Therefor our competitors may be move gradual to adopt new technology.

2.4.4 Threats:

- A small change in the focus of a large competitor might wipe out any market position we achieve.
- Competitors copying features or ideas.
- Appearance of new competitors.
- Changing customer needs.
- New laws or regulations.
- SPAM & unwanted advertising.
- Upgraded browser software.

2.5 Organizational Structure:

Divine IT Solution are installation in particular approaches to perform exceptional goals, and the shape of an Divine IT Solution can help or preclude its development closer to conducting those dreams. Figure 2.5.1 shows their company hierarchy.

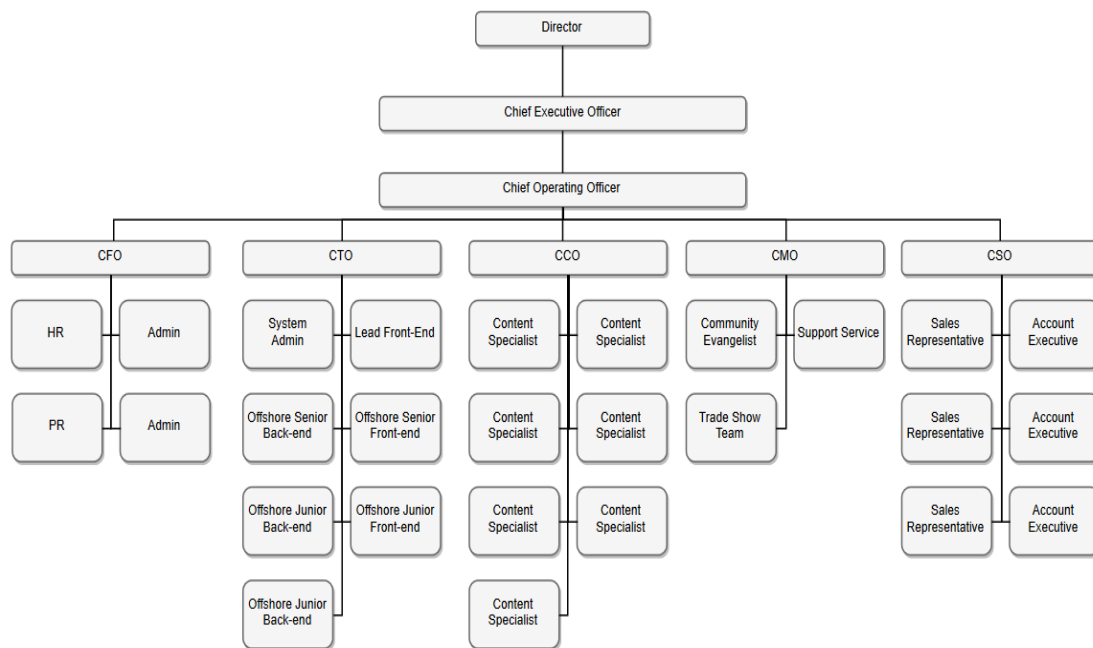


Fig 2.5.1: Organization Structure

CHAPTER 3

Tasks, Projects and Activities

3.1 Daily Task and Activities:

- To make sure that I understood the hassle and the customer requirement absolutely.
- Manage content material for web sites.
- Finding a partial answer of that problem or requirement.
- Discussing the answer with the information earlier than start the work.
- Keep in contact with the team chief constantly.
- Asking the crew leader for help with any form of hassle related to the solution or challenge.
- The last however now not least duty become to go to the office regularly and keeping the timetable.
- At last, provide report of my each day work to my challenge manager.

3.2 Event Task and Activities:

Divine IT Limited held meetings for talent developing their employees in every month. In their conferences they proportion there scholarly information approximately IT enterprise. They describes the fact approximately many region of IT area. As they provide app development, ERP services, hosting services, backup services, security services, social media marketing, digital marketing and last but not least web developing. In that even they describes us how to work with team and how to handle project and communicate with clients.

We are web developers. We mainly work to improve our website development on e-commerce site. For that our activities is-

- Customize website
- Upgrade Content
- Use plugin to well-structured web pages
- Error check

3.3 Project and Activities:

My project based on social support based site. Along with this I've worked on a IMS application for in house usages of my company.

My first social support site is a simple web application – using front-end developed by HTML, CSS, JavaScript, JQuery and for back-end I used PHP and google API. Doing this project I've have learnt domain and hosting a site, configure upload and manage its database.

My second project is a web based IMS application. In this project my responsibility was configuring XMPP (Extensible Messaging and Presence Protocol) clients and server on Linux operation system. I've configured prosody server on Linux and checked instant messaging using Gajim and OneTeam, both are XMPP clients. Shown in Figure 3.1, Figure 3.2, Figure 3.3

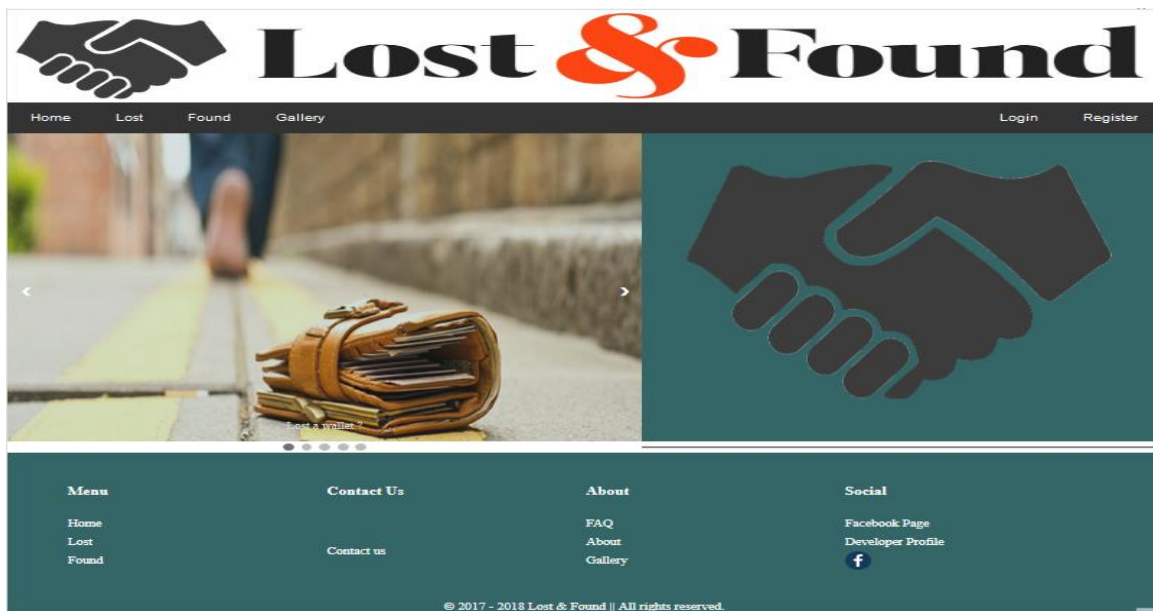


Fig 3.1: Developed Lost and Found Site

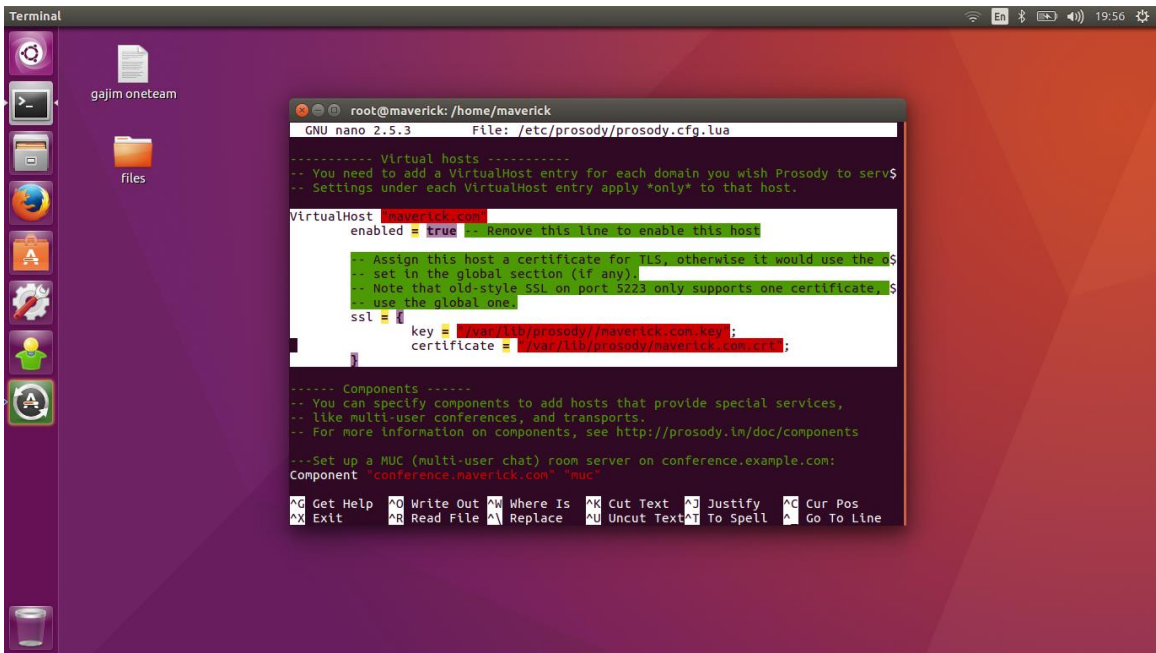


Fig 3.2: XMPP Server Creating Virtual Host

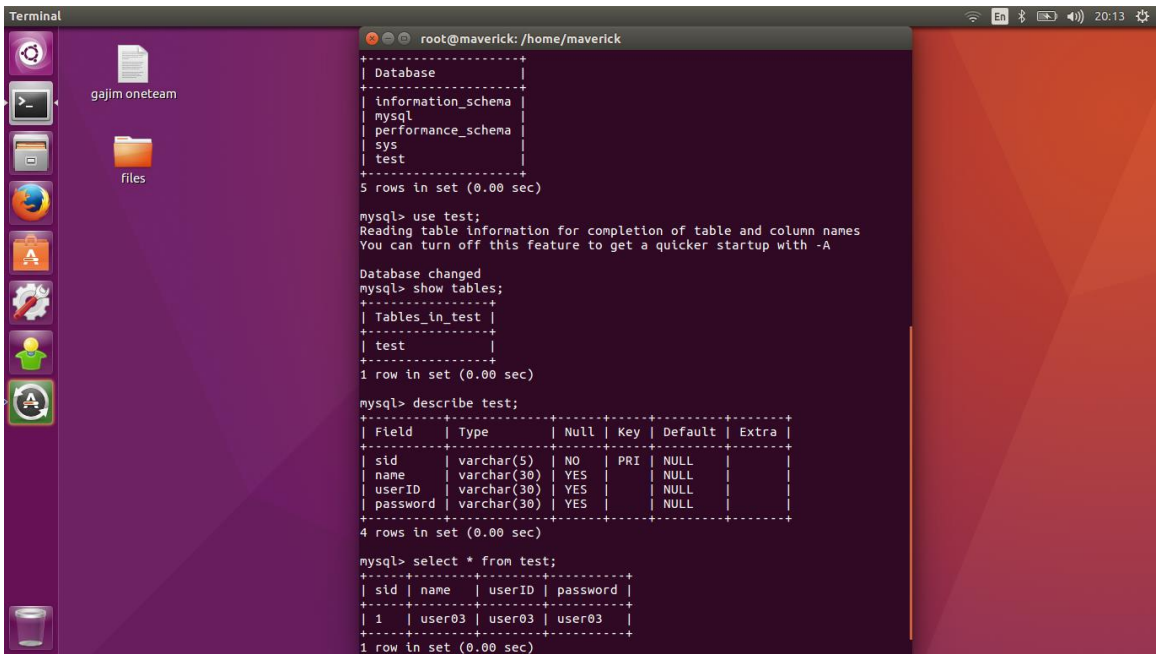


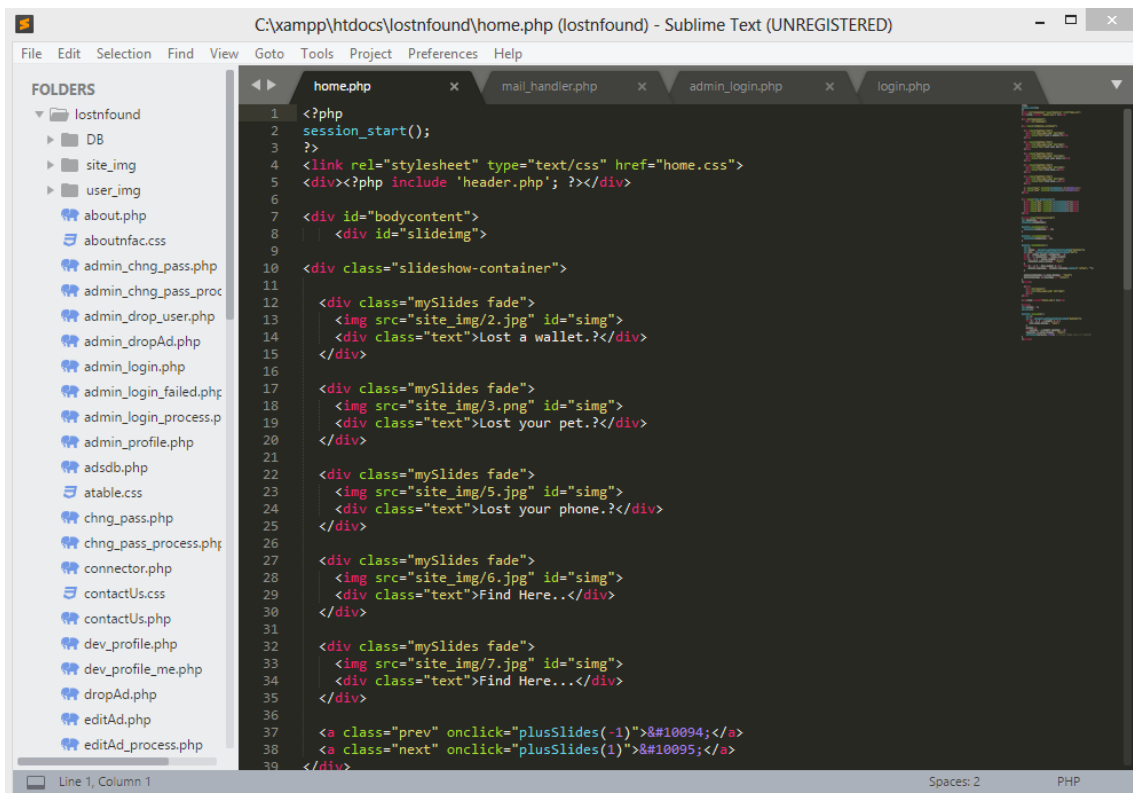
Fig 3.3: Database Management

3.3.1 My Activities for this project:

I joined Divine IT Limited as an intern web developer. Work flow showed in Figure 3.4.

The following things were included in my activity list:

- Configuring IDE's, Packages and OS also
- Configure XMPP protocol,
- Connect with prosody server,
- Installing and creating XMPP clients and users,
- Code in CSS (Cascaded Style Sheet),
- HTML (Hyper Text Markup Language),
- JavaScript, JQuery, NodeJS,
- Creating database through MySQL
- Coding in PHP (Hypertext Preprocessor)



```
1 <?php
2 session_start();
3 ?>
4 <link rel="stylesheet" type="text/css" href="home.css">
5 <div><?php include "header.php"; ?></div>
6
7 <div id="bodycontent">
8   <div id="slideimg">
9
10  <div class="slideshow-container">
11
12  <div class="mySlides fade">
13    
14    <div class="text">Lost a wallet.?.</div>
15  </div>
16
17  <div class="mySlides fade">
18    
19    <div class="text">Lost your pet.?.</div>
20  </div>
21
22  <div class="mySlides fade">
23    
24    <div class="text">Lost your phone.?.</div>
25  </div>
26
27  <div class="mySlides fade">
28    
29    <div class="text">Find Here..</div>
30  </div>
31
32  <div class="mySlides fade">
33    
34    <div class="text">Find Here...</div>
35  </div>
36
37  <a class="prev" onclick="plusSlides(-1)">#10094;</a>
38  <a class="next" onclick="plusSlides(1)">#10095;</a>
39 </div>
```

Fig 3.4: Code Template

I learned how to install and configure the following programs:

- Installation of XAMPP and XMPP Server
- Installing various packages.
- To host a site using FileZilla tools.
- Change database URL using sublime text editor.

After learning above mentioned programs and language codes, I was assigned to do following task until I finish my internship period at Divine IT Limited:

- Checking websites with multiple browsers.
- Creating SQL query set.
- Checking instant messaging service working or not between tow users.
- Creating domain name and hosting.
- Hosting using FileZilla tools.

3.4 Challenges:

The design & development industry is highly competitive and to get ahead in the race, designers need to focus on being technical as well as strategic. Here are a few common issues that designers have to face during web design and development.

- **Website accessibility:** An excellent developer must make sure that website not simply can get right of entry to throughout all over the global but nicely functionalized.
- **Navigational Structure:** Navigational Structure is one of the essential issue for internet site. Website shape need to be appealing and consumer pleasant. Developer have to make certain to offer proper navigational structure to the person.
- **Compatibility:** Capability with browsers one of the main reality. Developer must make sure that internet site will run each browser platform for person want. It is one of the foremost venture that developer face
- **Positioning of content:** Website need to be readable. Developer need to select clean content material that person can understand.

- **Responsive:** Responsive is some other essential fact. Developer should make certain to responsive the internet site in every platform.
- **Errors:** Developer should avoid incomplete input validation. Be cautious to move browser compatibility. Avoid such errors developer ought to authorize successfully.

CHAPTER 4

Competencies and Smart Plan

4.1 Competencies Earned:

I started my interne as a web developer at Divine IT Limited in September 2018. In that process, I've learnt a lot of things from my company. Their friendly environment and knowledge sharing mentality encouraged me to learn and work together with them. It gave me an enormous pleasure that I learnt something new every day. It was all about professional experiences since I was working in there. What I learn is-

4.1.2 Languages and Tool's:

- HTML5 (Hyper Text Markup Language)
- CSS (Cascading Style Sheets)
- Bootstrap
- PHP (OOP)
- JavaScript (JQuery Library)
- Node JS
- SQL Query
- Shell Scripting (Linux Ubuntu)

Besides, from practical and professional work I've also developed my personality and communication skills throughout the whole process of my internship period. I've prepared myself to work together with any kind of team and clients.

You will find in all IT industry clients are the major fact to maintain. By building up the personality and communication skills - anyone can easily get in touch with their client's and their requirements. Competencies I earned from there is-

From the project of Divine IT Limited I have learnt a lot of things which are-

- Ability I've earned about practical field.
- Always preserve the excellent great paintings.
- Always plan before doing any work.
- Organize the paintings nicely.
- Team playing.
- Communicating with clients.
- Strategically development of website.
- Build up professional abilities.

4.2 Smart Plan:

During my internship, I had experienced lots of practical work. These practical works make me think about my career. What would I do in future? Actually, Web development is a huge industry. Moreover, Divine It Limited is among them. My plan is –

- I will do a hosting business. Because every online business personality need this.
- I want to have my own company where we provide domain & hosting services.
- For that, I will recruit talented hardworking people. Those who will communicate with clients and keen to know market values of present and past days.
- I will grab the market situation for every single department, which will promote my websites.
- Updated technologies can be highly recommendable for any business purpose.
- At last, I want build strong personality by gaining more knowledge in this web development and design sector.

4.3 Reflections:

Divine IT Limited offers me a big possibility to prove myself in IT enterprise. From the aid of my crew member and different employee, I worked on an e-commerce internet site. I can now make complete websites by my own.

Website Name: “Lost and Found” [2]

Type: Social Support

Main Tasks: The most important work I have done in this website is using multiple gallery plug-in to upload images and sorting them according to the user’s choice. This plugin have more functionalities to customize the slider and use of “Contact-form-7” to make a contact form. Another main part is managing the product that client is required. The live site showed in Fig 4.1

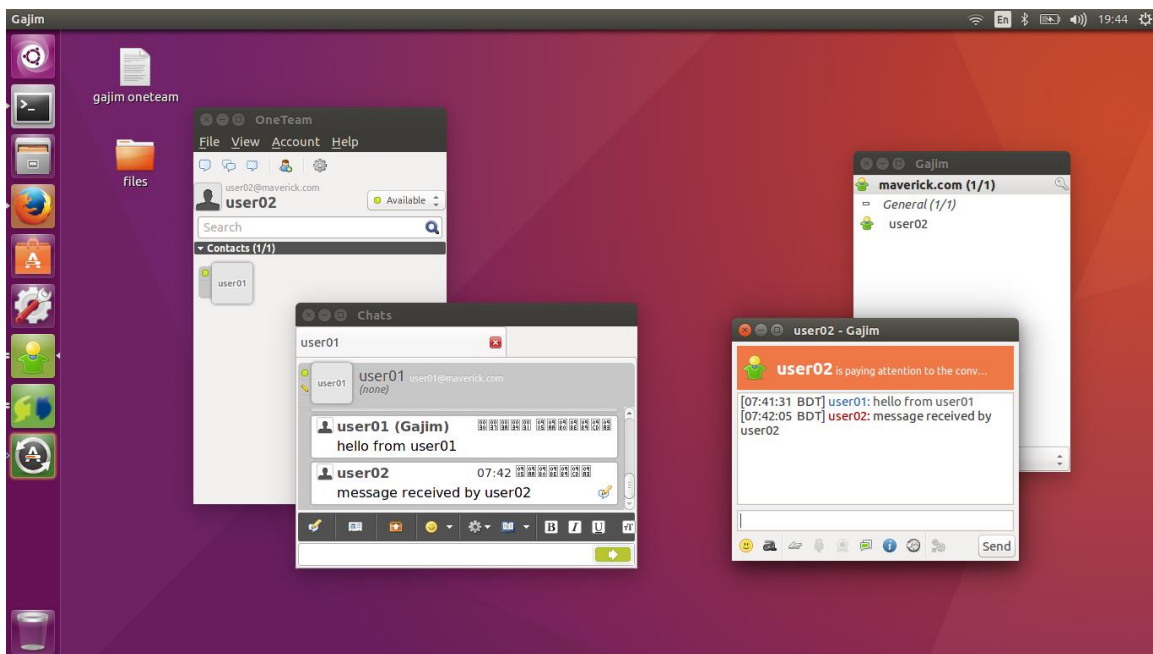


Fig 4.1: Testing Configured IMS Service

CHAPTER 5

Conclusion and Future Career

5.1 Discussion and Conclusion

I joined Divine IT Limited, in a web based software team, I began there as trainee programmer. As a trainee programmer I got chance to learn web based application developing related languages, use of various software's and their equipment. Moreover, I become skilled how to install those software and configure them in keeping with the needs. When I completed my basic training, I become assigned to a few initiatives. There I were given risk to apply and enforce many types of plugin-in and fundamental net designing understanding.

Overall, I can say that the internship that I am discussing about could be very useful for my web based application developing profession. I even have learned lots and were given chances to implement. It helped me to enrich me running in software-based company and mastering approximately organization. Those reviews I accrued from the said internship will without a doubt help in near destiny in my profession.

I would like to carry my thank you Faculty of Science & Information Technology, DIU for imparting me a possibility to gain concept of the competitive environment in the expert discipline. It has virtually extended my net development abilities in phrases of design and coding. I now sit up for facing the upcoming challenges of the world.

5.2 Scope for Further Career:

Web design & development is a promising career opportunity, which displays vast scope for interested candidates.

- To be work in Software company.
- Can work as Web Developer.

- Can work as Web Designer.
- Can work as Software Engineer.

APPENDICES

APPENDIX A: INTERNSHIP REFLECTION

Administration of Web Application

1. 000webhostapp Dashboard:

Web Hosting with PHP, MySQL, free Website Builder, cPanel and no ads. Almost unlimited free website hosting and free domain hosting at 000webhost.com/

Website details
Your website is accessible at the addresses defined below. To learn how to point domain or change website address follow ["How to point domain name to 000webhost.com"](#) tutorial

Active since	2017-07-29 17:31:05
Access your website Set web address	lostnfound247.000webhostapp.com lostnfound.cf www.lostnfound.cf
Statistics	Bandwidth: 9.52MB of 10000MB Disk: 5.51MB of 1000MB Inodes: 630 of 20000 Sent email: 0 of 50

File Upload Details (FTP)
To learn how to manage website files follow ["How to upload files to 000webhost?"](#) tutorial.

Host	files.000webhost.com
Username	lostnfound247
Password	Change password
Home directory	/storage/ssd1/593/2398593
Folder to upload files	public_html
Ftp clients	Web file manager SmartFTP FileZilla

Name servers

ns01.000webhost.com
ns02.000webhost.com

Quick links

Change website password
Upload files with web file manager
Manage databases with phpMyAdmin
Get help at community forums
Community tutorials

Fig A.1: Site dashboard

2. XAMPP Control Panel:

XAMPP is a free and open source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server and interpreters for scripts written in the PHP and Perl programming languages.

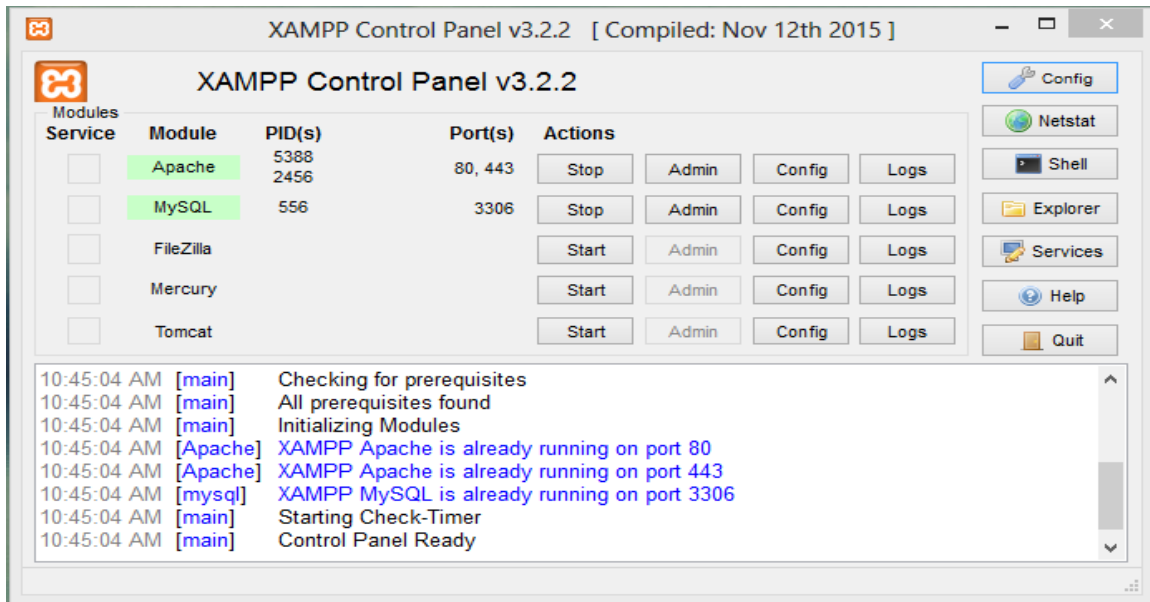


Fig A.2: XAMPP Control Panel

3. MySQL Database:

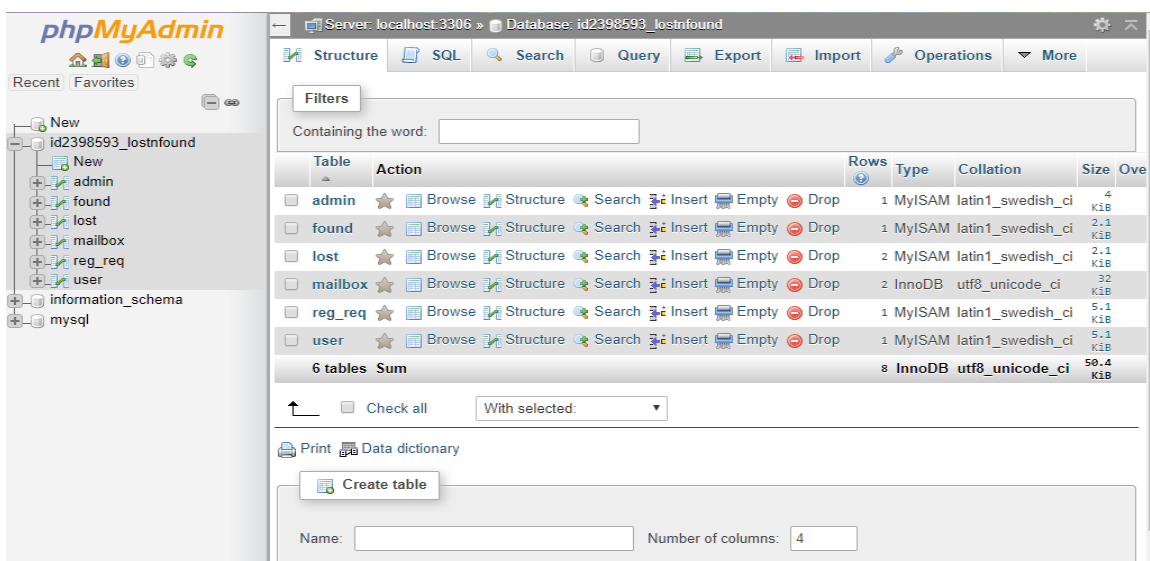


Fig A.3: PHP MyAdmin

4. XMPP Clients:

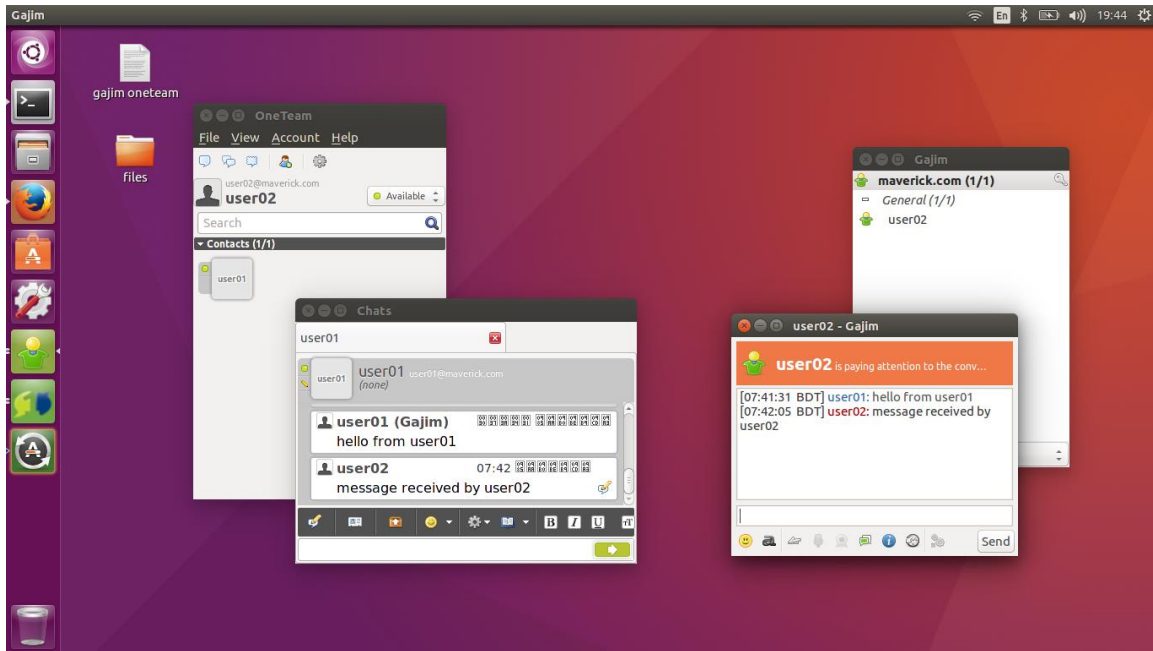


Fig A.4: XMPP clients

5. Clients Configuration:

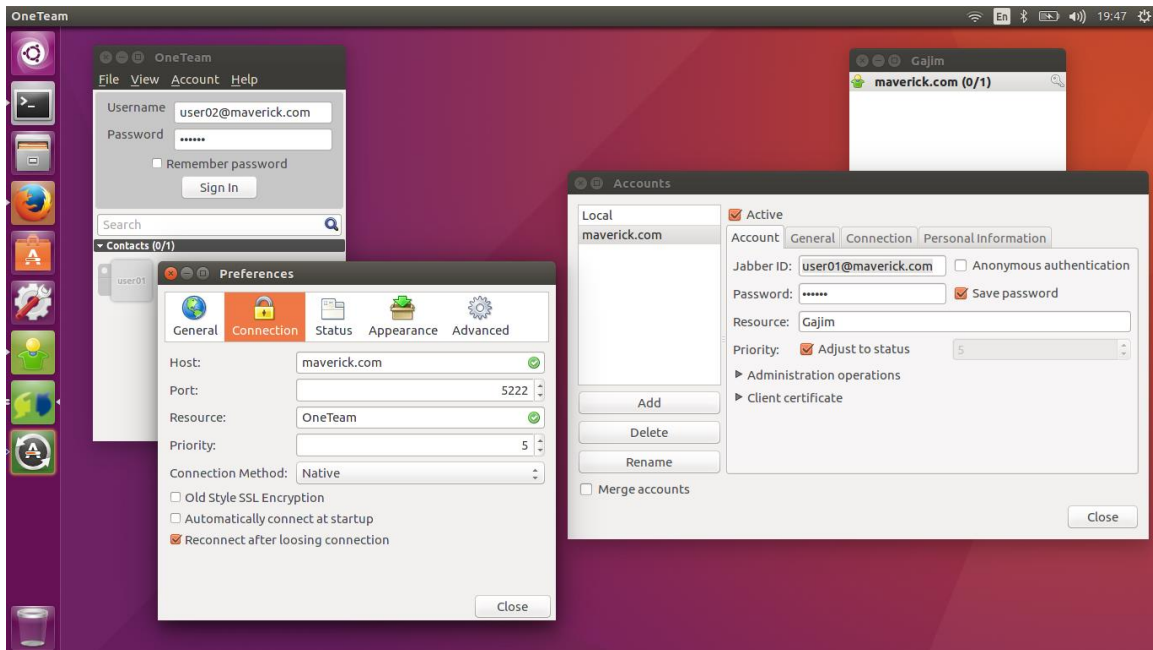
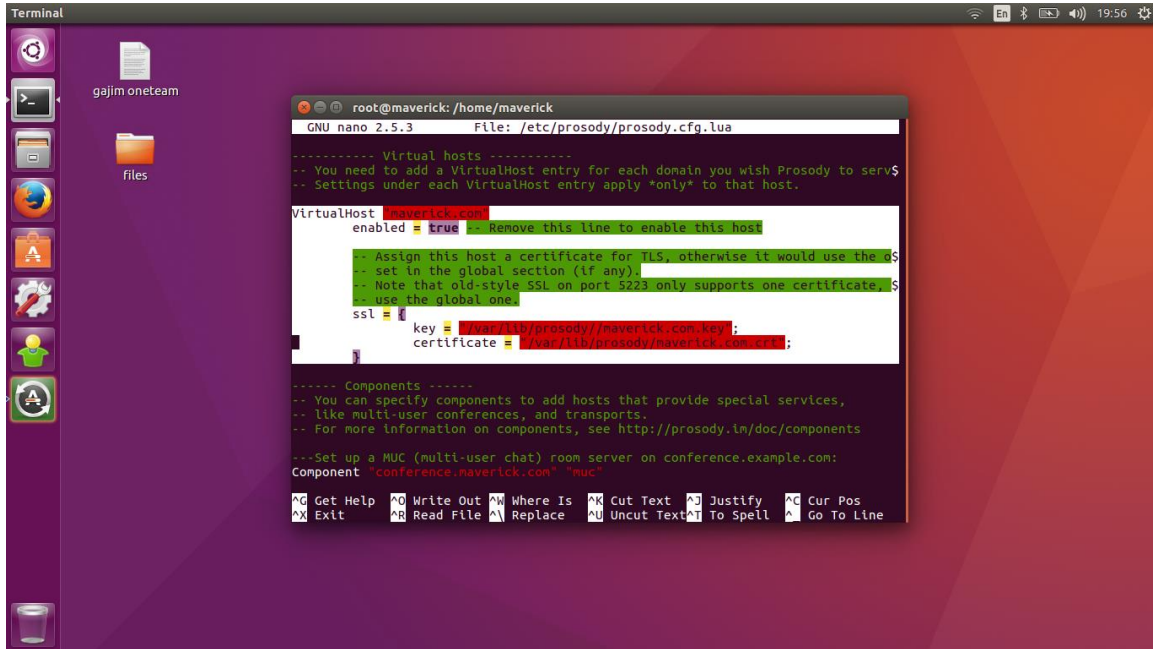


Fig A.5: Clients Configuration

6. Server Configuration:



```
Terminal
root@maverick: /home/maverick
GNU nano 2.5.3 File: /etc/prosody/prosody.cfg.lua
----- Virtual hosts -----
-- You need to add a VirtualHost entry for each domain you wish Prosody to serv$
-- Settings under each VirtualHost entry apply "only" to that host.

VirtualHost "maverick.com"
  enabled = true -- Remove this line to enable this host

  -- Assign this host a certificate for TLS, otherwise it would use the defaul$
  -- set in the global section (if any).
  -- Note that old-style SSL on port 5223 only supports one certificate, so
  -- use the global one.
  ssl = {
    key = "/var/lib/prosody/maverick.com.key";
    certificate = "/var/lib/prosody/maverick.com.crt";
  }

----- Components -----
-- You can specify components to add hosts that provide special services,
-- like multi-user conferences, and transports.
-- For more information on components, see http://prosody.im/doc/components

---Set up a MUC (multi-user chat) room server on conference.example.com:
Component "conference.maverick.com" "muc"

^G Get Help ^O Write Out ^W Where Is ^X Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^M Replace ^U Uncut Text ^T To Spell ^_ Go To Line
```

Fig A.6: Server Configuration Key & Certificate

APPENDIX B: COMPANY DETAIL

Divine IT Limited is a group of professionals in Bangladesh, providing one stop solution to startups, fast growing and large businesses with Online Business Development & Consultancy services, E-commerce Systems Management platforms, Digital Marketing solutions, Daily Operations Management facilities & required IT Enabled Services, in today's techno paced world, which we believe are the major facts of business growth and success. We ensure these services to our clients with international standard, professional quality, and standard creativity.

- Divine IT Limited Provides-
- Cloud Management
- ERP Services
- Business Consulting
- Backup Services
- Development Service
- Graphics Design
- Social Media Marketing
- Digital Marketing
- Web development
- App development
- Product Research
- E-commerce site

REFERENCES

- [1] Divine IT Limited: << <https://www.divineit.net/>>>, last accessed on 10-03-2018 at 12.20 pm.
- [2] Divine IT services: << <https://www.divineit.net/services/>>>, last accessed on 10-03-2018 at 11 am.
- [3] Project References: << <http://lostnfound.cf/>>>, last accessed on 10-03-2018 at 1.00 pm.

Platform that we worked on:

- [4] Hosting Server: << <https://www.000webhost.com/>>>, last accessed on 10-03-2018 at 7.00 pm
- [5] Domain Server: << <https://my.freenom.com/clientarea.php/>>>, last accessed on 10-03-2018 at 7.00 pm
- [6] XAMPP Server: << <https://www.apachefriends.org/index.html/>>>, last accessed on 10-03-2018 at 7.00 pm
- [7] XMPP Server: << <https://xmpp.org/software/clients.html/>>>, last accessed on 10-03-2018 at 7.00 pm

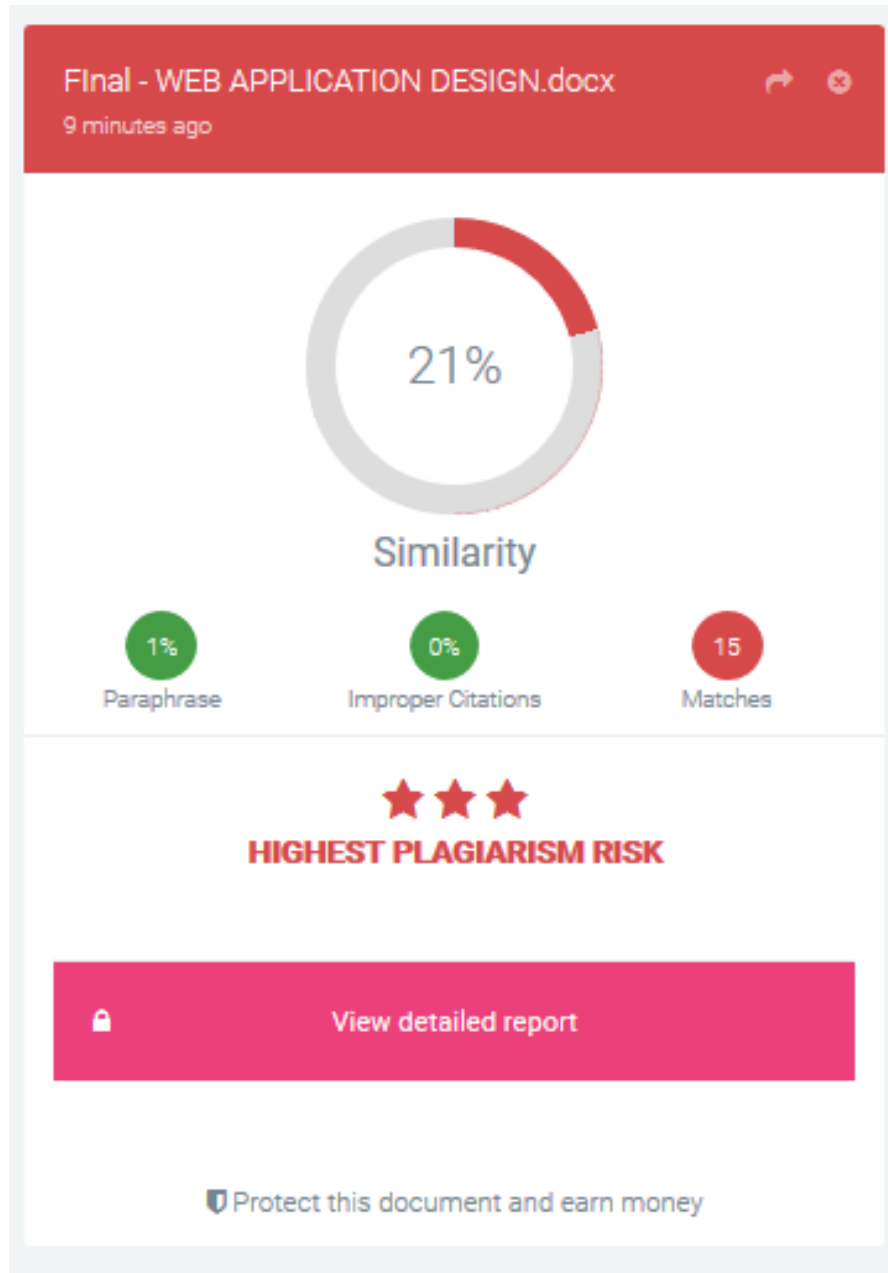


Fig P1: Plagiarism Check