WEB APPLICATION DEVELOPMENT WITH PHP

By

HASNAT ZAMAN

ID: 152-15-6187

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

Supervised By

Ms. Subhenur Latif

Assistant Professor

Department of CSE

Daffodil International University

DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

SPRING 2018

APPROVAL

This Internship title "**Web Application Development with PHP**", competed by Hasnat Zaman 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.

BOARD OF EXAMINERS

Dr. Syed Akhter Hossain
Professor and Head
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Chairman

Dr. Sheak Rashed Haider Noori
Associate Professor and Associate Head
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Internal Examine

Md. Zahid Hasan
Assistant Professor
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Internal Examiner

Dr. Mohammad Shorif Uddin
Professor
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Jahangiragar University

Internal Examiner

DECLARATION

We hereby declare that, this project has been done by us under the supervision of **Ms. Subhenur Latif, Assistant Professor, and Department of CSE** at Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

Supervised by:

Ms. Subhenur Latif
Assistant Professor
Department of CSE
Daffodil International University

Submitted by:

Hasnat Zaman
ID: 152-15-6187
Department of CSE
Daffodil International University

©Daffodil International University

ACKNOWLEDGEMENT

First we express our heartiest thanks and gratefulness to almighty God for His divine blessing makes us possible to complete the final year internship successfully. I am really grateful and wish our profound our indebtedness to **Ms. Subhenur Latif, Assistant Professor, Department of CSE** Daffodil International University, Dhaka. Deep Knowledge & keen interest of our supervisor in the field of "Web Application Development" to carry the internship. His endless patience ,scholarly guidance ,continual encouragement , constant and energetic supervision, constructive criticism , valuable advice ,reading many inferior draft and correcting them at all stage have made it possible to complete this internship.

We would like to express our heartiest gratitude to Dr. Syed Akhter Hossain, Professor and Head, Department of CSE, for his kind help to finish my internship 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.

Finally, I must acknowledge with due respect the constant support and patients of my parents.

©Daffodil International University

ABSTRACT

This Internship report is for completion of my B.Sc. at Daffodil International University in computer science, aimed to improve and use the acquired knowledge during my studies. The internship could be done abroad, so I thought it was really good opportunity to improve my English, know new cultures and new people. For this I had internship over “Web Design and Development” at a software company named Atova Institute of IT(AIIT). It is a software company that provides all quality assured IT services Software Development, Web Development, Mobile Apps Development, Software Development, Graphics Design and Ecommerce Solution. I have joined in Atova Institute of IT. There I had many responsibilities like installing and configuring XAMPP server, website design and development, create database, testing the different browsers. In this internship report I basically tried to show that how I managed those things and how efficient I was there in the time of internship. Moreover I tried to present whether my internship was a successful or not.

©Daffodil International University

TABLE OF CONTENTS

CONTENT	PAGE NO
Approval	2
Declaration	3
Acknowledgement	4
Abstract	5
CHAPTER	**(9 - 10)**
CHAPTER 1: Introduction	
1.1 Introduction	9
1.2 Motivation	9
1.3 Internship Objective	9
1.4 About the Company	10
1.5 Report Layout	10
CHAPTER 2: Organization	**(11 - 13)**
2.1 Introduction	12
2.2 Product and Market Situation	12
2.3 Target Group and Audience	13
2.4 SWOT Analysis	13
2.5 Organizational Structure	14
CHAPTER 3: Tasks Projects and Activates	**(15 - 24)**
3.1 Daily Task and Activities	15 - 23
3.2 Event and Activities	24
3.3 Projects Task and Activities	24

©Daffodil International University

3.4 Challenges 24

CHAPTER 4: Competencies and Smart Plan (25 - 26)

4.1 Competencies Earned 25

4.2 Smart Plan 25

4.3 Reflections 26

CHAPTER 5: Conclusion and Future Carrier (27)

5.1 Discussion and Conclusion 27

5.2 Future Scopes 27

REFERENCES 28

APPENDICES (29 - 30)

APPENDIX A: Internship Reflection 29

APPENDIX B: Company Detail 30

©Daffodil International University

LIST OF FIGURES

FIGURES	PAGE
Fig:2.1: SWOT analysis	12
Fig 3.1 PSD template	15
Fig 3.2 Er diagram	16
Fig 3.3 Install XAMMP Server	17
Fig 3.4 Admin login form	18
Fig 3.5 Blog option	19
Fig 3.6 Category and Tags	19
Fig 3.7 Pages of the project	20
Fig 3.8 Product add option	20
Fig 3.9 Content Management System option	21
Fig 3.10 Slider	21
Fig 3.11 Gallery	22
Fig 3.12 Widgets option	22
Fig 3.13 Message option	23

©Daffodil International University

CHAPTER 1

Introduction

1.1 Introduction

The internship experience is designed to provide students working towards certificates and Associate in Applied Science degrees in Law Enforcement or Corrections with an opportunity to develop insight into the practical application of academic knowledge. Through observing the work activities of the members of a criminal justify agency and by working under supervision, students will be better prepared to assess their own interest and become potential for a career.

1.2 Motivation

It has been found out Atova Technology Ltd has an excellent reputation for being customer satisfaction and services. It is well known and popular software development and website Design Company in Bangladesh. Knowing that the combination of my experience, education of computer science and engineering will able to make myself an asset to Atova Technology Ltd. It is expect to reveal myself on several new challenges with the learning which is collected from Atova Technology Ltd. It is believe that internship will give me the ideal opportunity to extend my profession. As an intern to contributing Atova Technology Ltd workflow and learn as much as I can.

1.3 Internship Objectives

Through the internship, it is easy to get acquainted with different observance and make the connection between real and appropriate relationships. It adds valuable experience in making of student's future career path. Throughout this course, it makes anyone master in effective web design and dynamic web application development. It will be learning several scripting language for both client and server side like HTML, CSS, JavaScript, PHP and MySql etc. It would like to learn problem-solving strategy for efficient web app as well as to provide E-commerce and application based solution. It is wish to learn of relational database management system and capable of creating the database based [1].

©Daffodil International University

1.4 About the Company

Atova Technology Ltd started operations in 2016. Having already 25+ clients their service are Desktop application development, Web development, Mobile apps development. The company had separate division for Desktop application, Web development and Mobile app development.

Atova Technology Ltd is a sister concern of technology limited group involved in all types of IT Solutions and Express Services. Atova Technology is a leading Canada based web hosting provider strives to provide a wide range of professional solutions that is not only satisfying but also enjoyable. They provide web hosting, protected hosting, VPS hosting domain registration.

Our consultant & Engineers have the experience of working in national & multinational companies; hence provide in-depth technical & management support. Atova Technology Ltd has the tradition of putting extensive resource for better technical & management personals; thus making it reliable to various operators.

Head Office

Atova Technology Ltd House- 5/1, Flat- E2, Block- E, Lalmatia,

Dhaka- 1207

Phone: +8801713615831

©Daffodil International University

1.5 Report Layout

The layout of my report is assorted by Chapter

1: Internship Introduction, Motivation, Internship Objective, and About the Company. Chapter

2: Introduction, Product and Market Situation, Target Group and Audience, SWOT Analysis, Organizational Structure. Chapter

3: Daily Task and Activities, Event and Activated, Projects Task and Activities, Challenges. Chapter

4: Competencies Earned, Smart Plan, Reflection, problem and solution and also learning outcome.

5: Conclusion and future scopes of the internship

CHAPTER 2

©Daffodil International University

Organization

2.1 Introduction

In last three years, I have been studying various technologies like web design and development, web strategy, usability, interaction design, server environment, organizational structure and much more. From those studies I able to collect inadequate knowledge about modern technology as it is the biggest area of the modern world. After having golden knowledge about the technology field I am interested to do an internship on Atova technology limited.

By doing this course I wanted to master at this web design and development for both clients like offline and online. Although I got some knowledge about few scripting languages like HTML, CSS, JavaScript, PHP, and MySQL but I want to learn them at an advanced level. I want to make myself capable to solve all problems that included in the web app and at the same time yearning to provide E-commerce and application-based solution.

2.2 Product and Market Situation

Web design market research report comes out by main industry analysis and from measuring the size of market. Market situation depend on current and future industrial trends. In order to know product values and situation you can check out industrial supply discipline, economic drivers and original and fake buyer status.

Web design holds a larger place in business and industrial companies in last ten year. Internet biggest industry and organizer has been transforming and implementing consumer behavior day by day.

Website now a day becomes most essential and ideal way to connect with customer or every person with single issue. According to some technology survey every small to large business organizer have a website and the esteemed percentage of the user is 82.0% and the number become increase day by day [2].

2.3 Target Group and Audience

©Daffodil International University

Wed designer always try to put new strategies along with their thoughtful ideas. Every business holder or organizer wants a great responsive web site that able to meet their expectation level. For example, if web site does not responsive on every device or is not able to sort out single problem itself then it's not meeting the website holder expectation. As a result the client lost their faith on designer or developer. To make successful business you have to create such type of web site which becomes perfect for your client. In this way one can target group and audience [3].

TABLE: SWOT analysis

Strengths	Weaknesses	Opportunities	Threats

©Daffodil International University

suited Locations	Big of price or cost	Market Development	High level moving to all time
Overall brand Equity	Big staff costs	Expand product offering	High level moving to online conveyance
Individually branded products	Practical Ability	Exclusive product contribution	Security
Capability	permit	Co-branding locations	Shoplifting [4]

2.5 Organizational Structure

Organizer structure determined how activities like task allocation, coordination and supervision are focused towards the achievement of organizational aims. Organizational structure must be need to efficient, powerful, reliability, innovative, have knowledge on manage different level task, caring and much more quality in order to achieve competitive advantage. Organizational structure maintains how the work and information flows step by step with coordination process within a company. Each part of organizational structure is important in order to provide final result. Its represent each employs duties, ability and roles on work.

CHAPTER 3

Tasks Projects and Activates

©Daffodil International University

3.1 Daily Task and Activities

I joined Atova it as a intern programmer. Here is my daily task and daily activates.

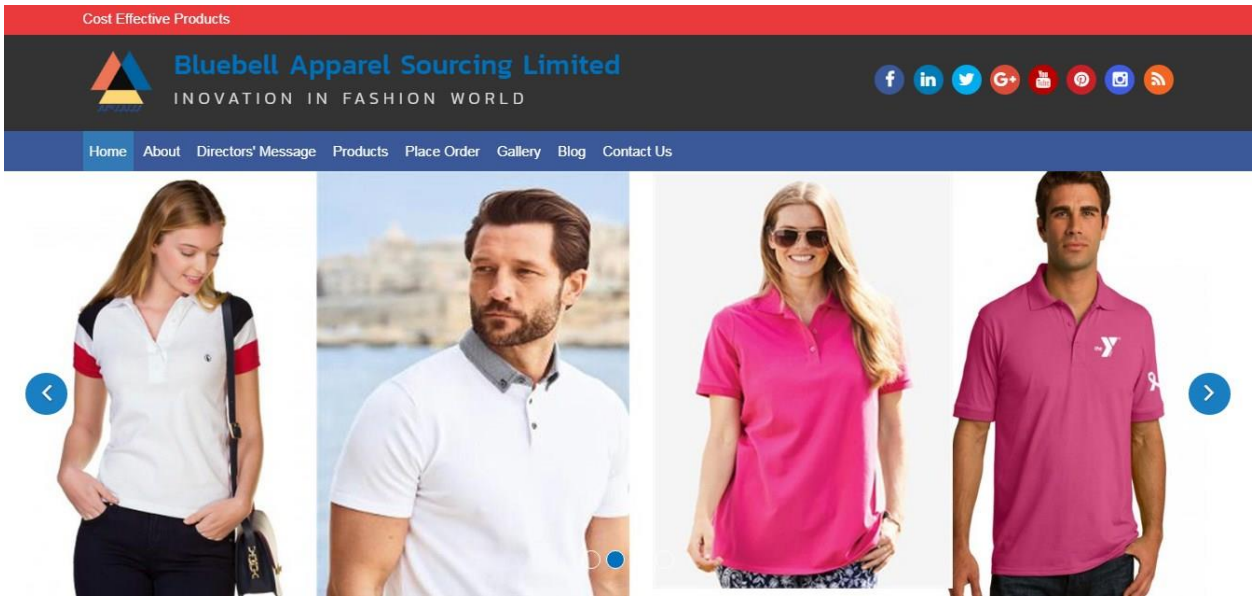


Fig: 3.1 PSD template

PSD to HTML

This is a psd template about a buying house project. It was given bluebell apparel sourcing limited to design and develop their website. First, It convert psd to html and after that used PHP for dynamic.

©Daffodil International University

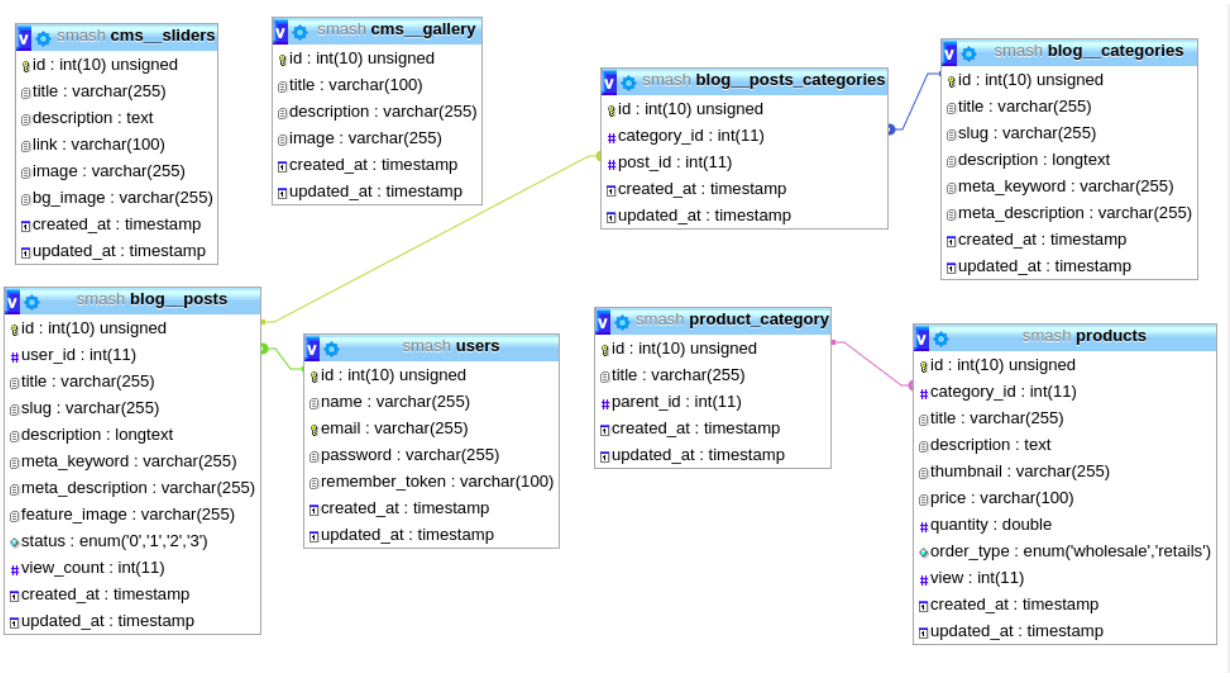


Fig: 3.2 ER diagram

ER diagram of my project. Before starting the project created it. I have passed one full day to create this ER diagram. Finally, completed it and the senior programmer helps me.

©Daffodil International University

Fig: 3.3 Install XAMMP Server

The XAMMP (Windows, Apache, MySQL, FileZilla, Mercury, and Tomcat) is an easy installation app that is all in one same package, which installs the basic programs that will need in a local host running and to be able to build and run PHP scripts [5].

I installed XAMMP Version 5.6.32-0-VC11 on my computer with windows 7.

©Daffodil International University

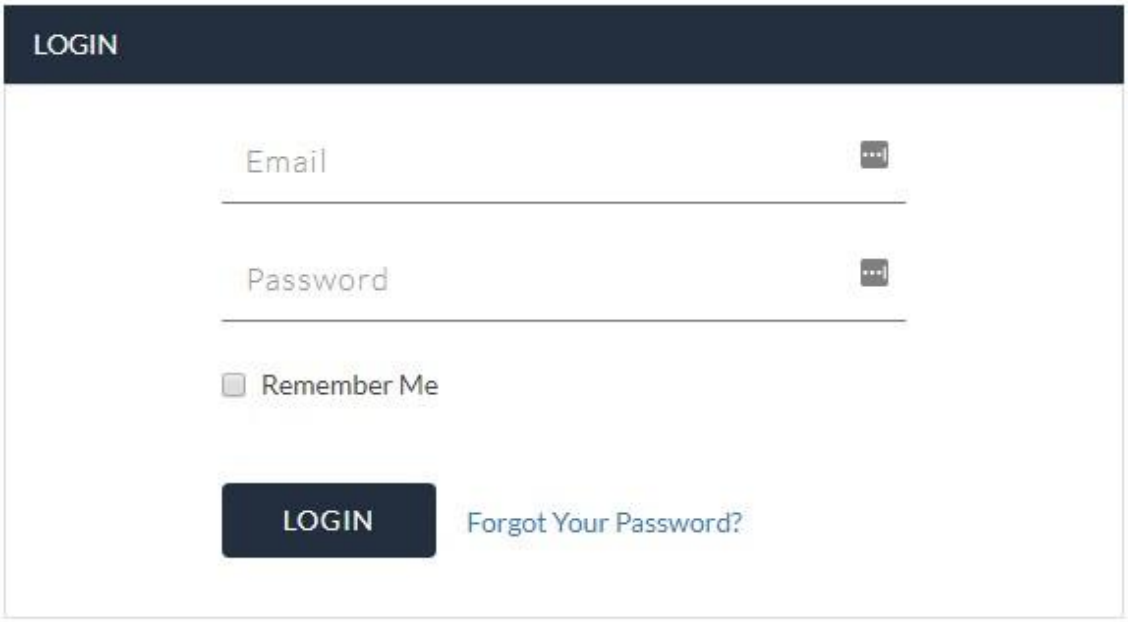


Fig: 3.4 Admin login form

We design here the admin login panel. Admin can login here with his valid user and password. If he forgets his id or password then he can reset it by using his mail.

©Daffodil International University

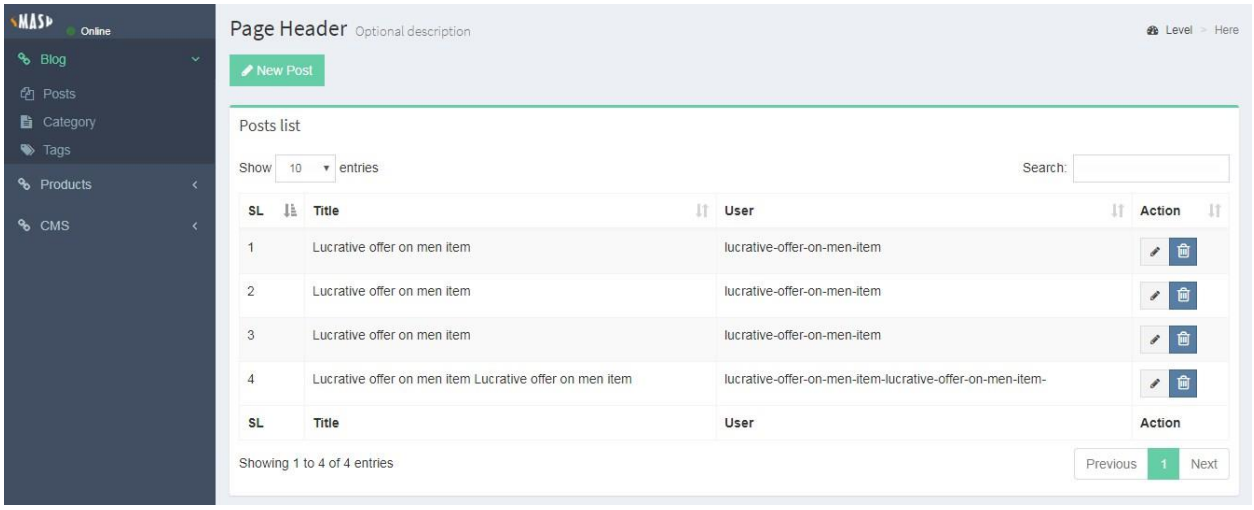


Fig: 3.5 Blog option

This is the blog option of this project. We can publish here any kinds of post.

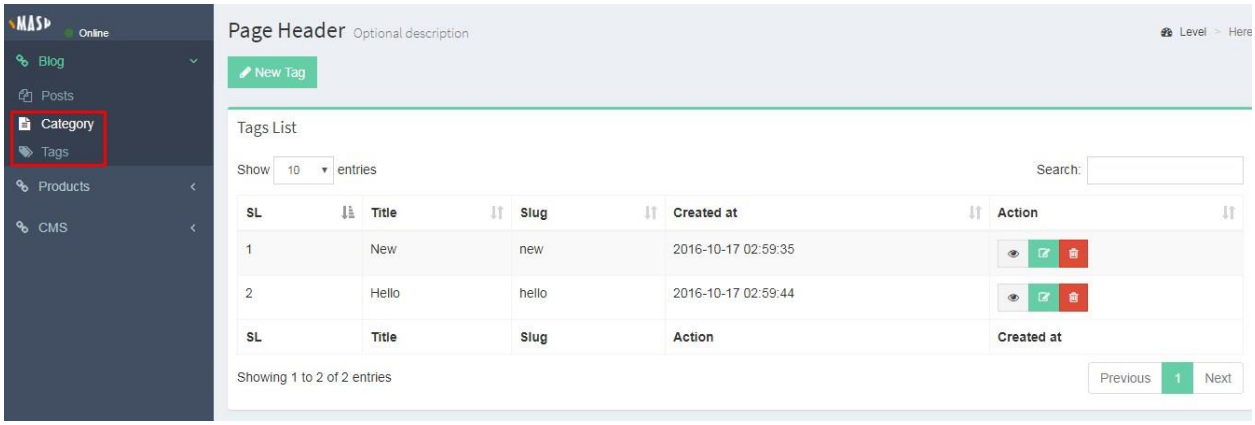


Fig: 3.6 Category and Tags

After the blog option, this is the category and tags options. We can indicate the post using category. We also use tags here for improve SEO.

©Daffodil International University

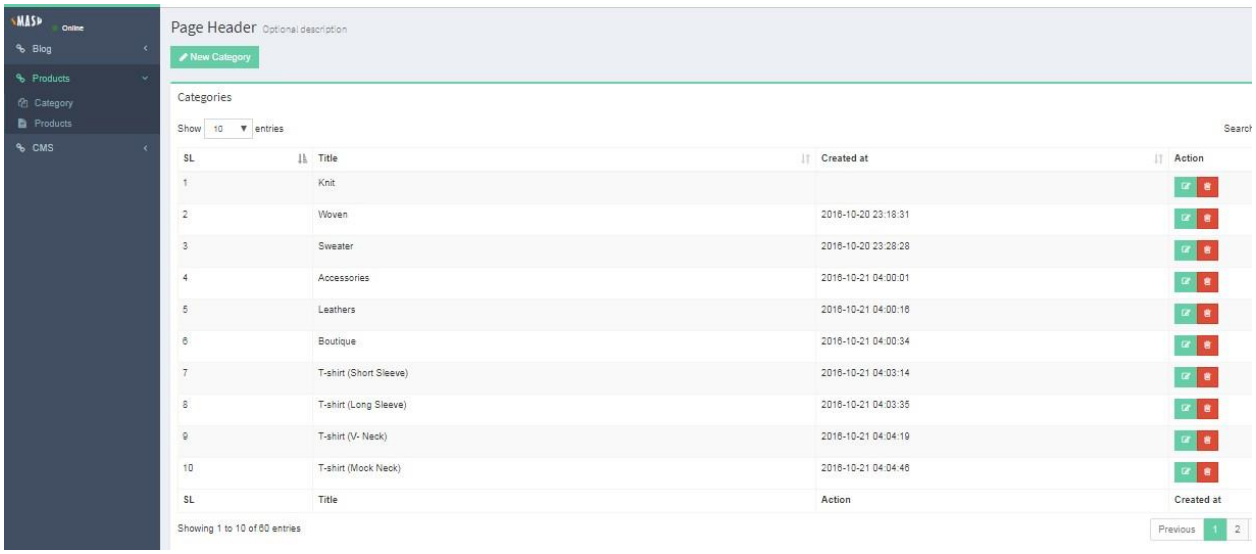


Fig: 3.7 Pages of the project

This is the product category option. We easily add and remove product category using this option.

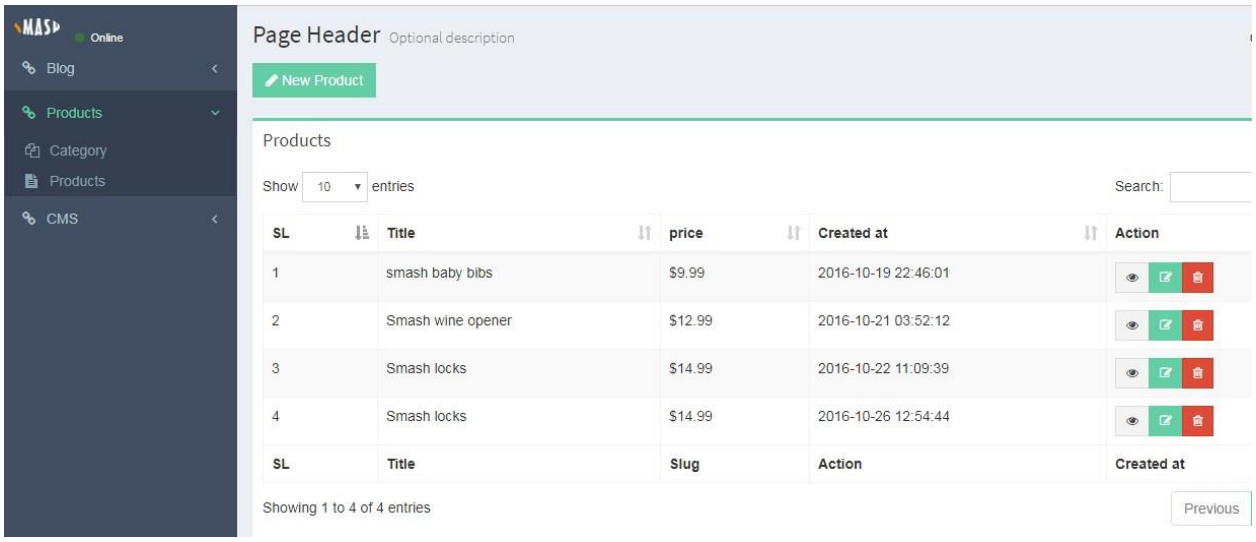


Fig: 3.8 Product add option

©Daffodil International University

Using this option, we can add here product title, product price, and product updating date. We also delete product using this option.

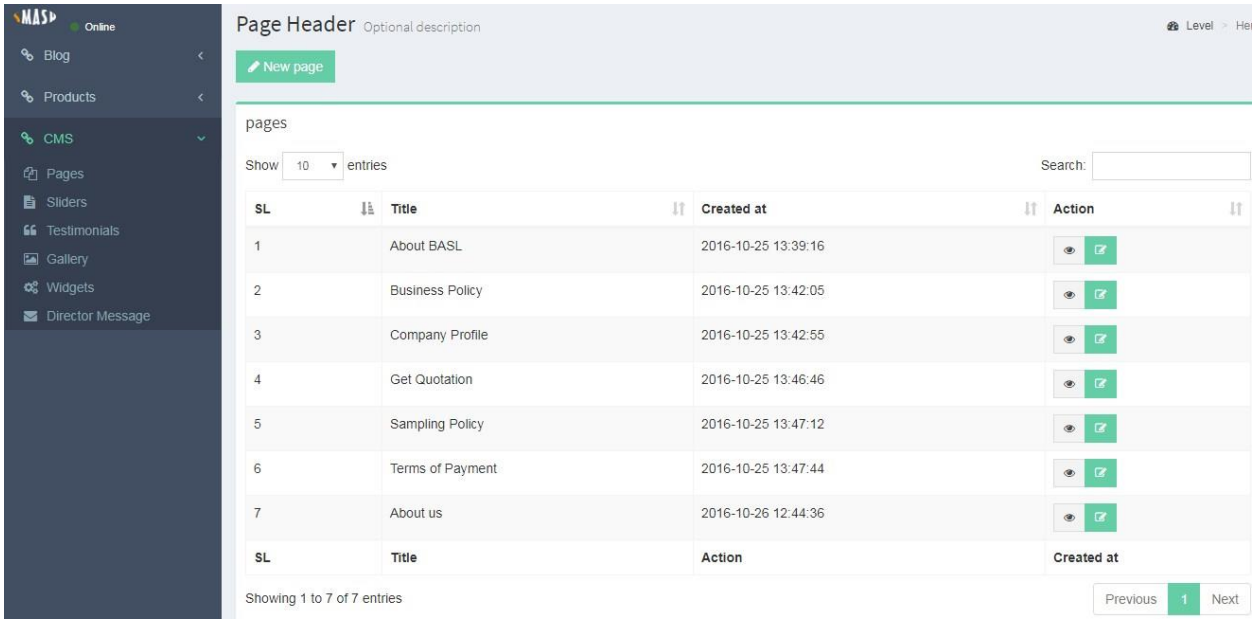


Fig: 3.9 Content Management System option

This is the page option of this project. We can add, remove or update any page from here.

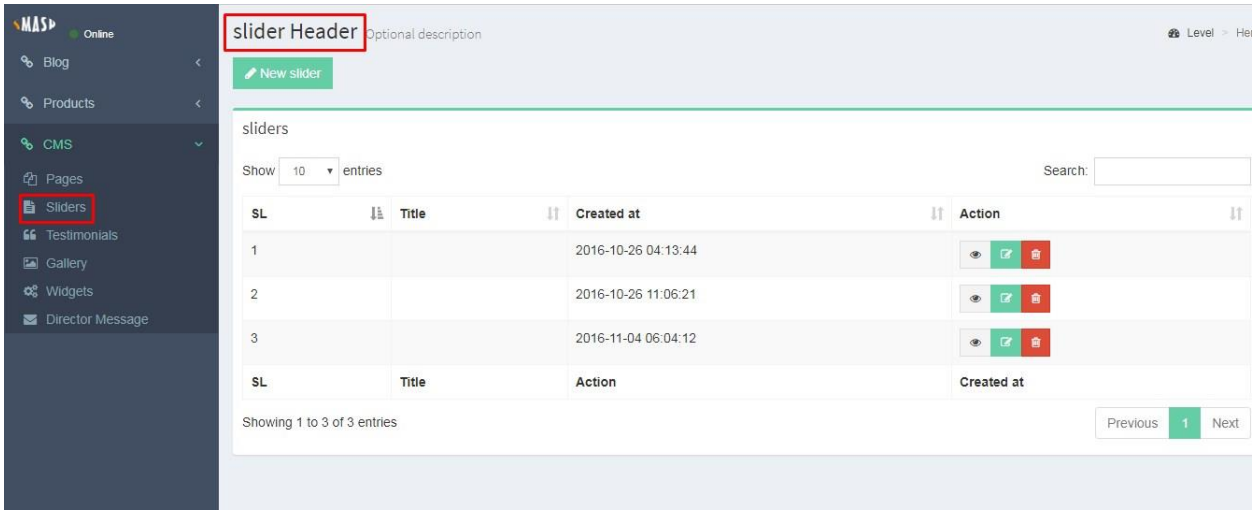


Fig: 3.10 Slider

©Daffodil International University

This is the slider option of this dynamic project. We use here three image of the slider. We can easily add more images or change the images from here.

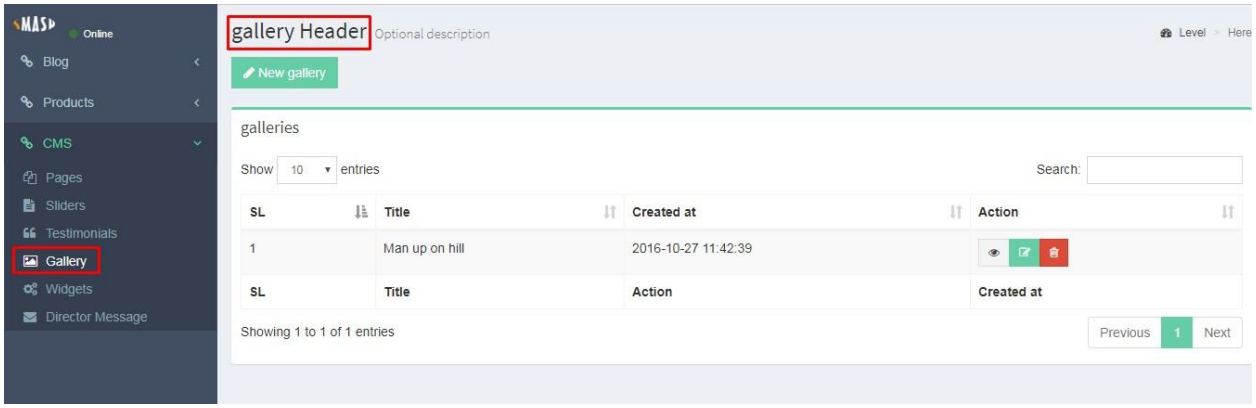


Fig: 3.11 Gallery

This is the gallery option of the project. We can add here all kinds of product images and Multimedia. If we want that we can update or delete it.

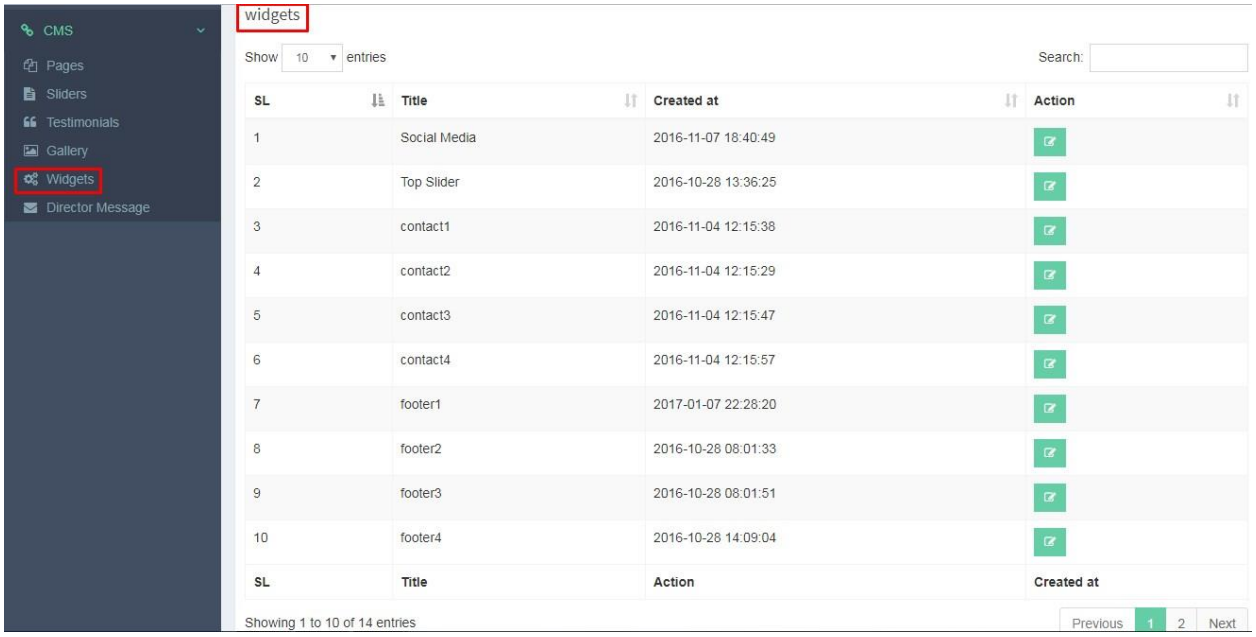


Fig: 3.12 Widgets option

Here is some widgets option. It is like as CMS system. We can change slider, Contact, footer and also social media from here.

©Daffodil International University

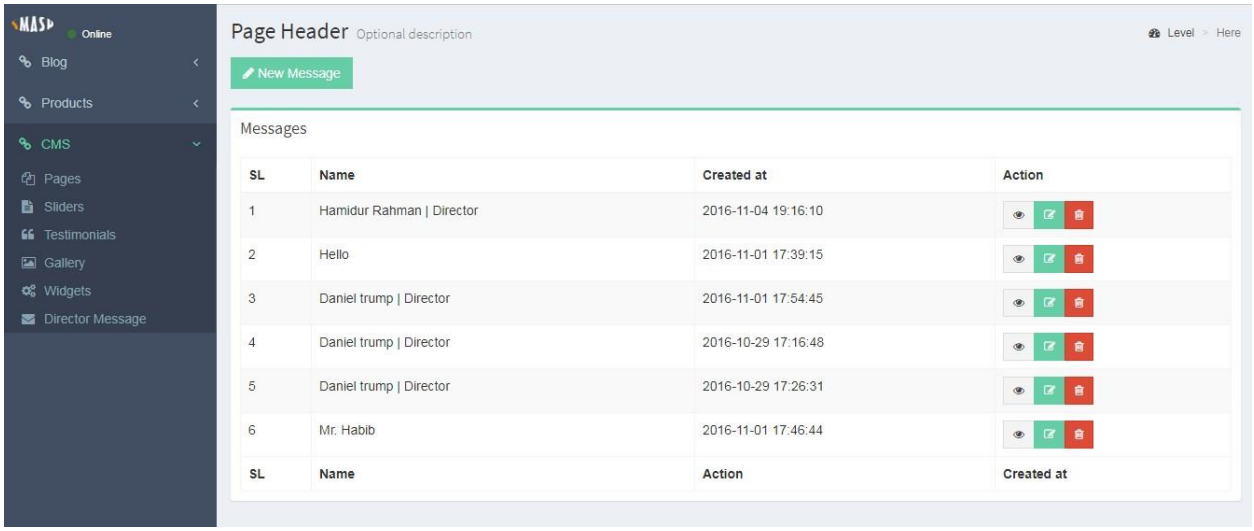


Fig: 3.13 Message option

Admin get any message using this option.

©Daffodil International University

3.2 Events and activities

- Project update daily
- Weekly update project manager
- Weekly Feedback and meeting
- Monthly meeting and seminars

3.3 Projects Task and Activities

I have lot of achieve from Atova it. It was a great opportunity to work with Atova it team. I also work some different project and helped the team. Here is some:

- Some psd to HTML design
- Web content upload
- Database design
- Create project report
- Help to Development team
- Update some existing project

So, I fell that there are some different some local project and international project.

3.4 Challenges

Web design and development in not a simple take as it comes with lot of challenge. Every single day one developer has to face different kind of challenge and problem. But it is a duty of a developer to find out a way to solve that problem with a fruitful result. Among so many problems the most common problems are PSD transformations, responsive critical thinking and speed up web site loads. In order to solve this kind of issue and provide great user experience to client the web developers have to be patience and meet the challenges cordially. Every web developer must have the quality to solve every problem and capable of taking challenges [6].

©Daffodil International University

CHAPTER 4

Competencies and Smart Plan

4.1 Competencies Earned

Online market based on quality and competition so in order to gain higher success, you have to earn competencies. For example, if anyone provides a website site design and development but their made website is not responsive enough or have not load fast. That means they have not good competencies in this sector. If you want to hold your position in the online market then you must have to gain high potentiality otherwise you lost your value on the market. And for earned great competencies one has to learn some basic and advanced level work that bring them success. And for doing so one has to work hard because as we all know hard work is a key to any successful history.

4.2 Smart Plan

- Most prominently learn about HTML5 code
- It is critical to cut HTML5 code if you want to make the high-performance website
- Carefully learn about CSS, CSS3, PHP, MySQl, and JavaScript and capable enough to use them perfectly.
- Create every website in a way that it will responsive on every device the user open. And for doing so use responsive perspective and simple step.
- Check out many gadgets (Smartphone's, tablets, and widescreen) for unique screen resolutions and ideas.
- Release your site in a unique way.

In order to sustain in the market or gain success in web site carrier, one has to make those above mention smart plan immediately after they are inter into this carrier. As much as one able to

©Daffodil International University

increase their ability make smart plan and success of fulfilling those plan as soon as they gain success [7].

4.3 Reflection

My duty is to create a perfect, creative and professional web-based portfolio for the purpose of make a reflection of my work, determination and stranded. My well arranges portfolio is a showcase of my creative work and another key to my success.

On the other hand, if want to work on the high-quality platform as a freelancer one must have need portfolio which is the refection of his work. Every web designer and developer has requirement of a web portfolios. It helps to show out your best work in front of your client that able them to decide your merit. Most of the client very first look after a parson portfolio refection in order to decide is the person is suitable for work or not [8].

©Daffodil International University

CHAPTER 5

Conclusion and Future Carrier

5.1 Discussion and Conclusion

From that internship, I will gain a lot of experience that will be very helpful in my future works. I will able to create a lot of project on a subject of website design and also developed it in a successful manner. Overall, I want to say that this internship is very helpful for my website design and development carrier that make me successful in everywhere. I have learned the lot of useful and potential implement that again help me to do work in a software-based company. Every experience I collect form the internship will surely be benefited me in my near future.

5.2 Scope for Future Career

Finding a good job can be a real challenge, especially if I have no experience. But a successful internship like this can help me to be an expert and also help me to find good career opportunities. So it will be a great internship for my future.

©Daffodil International University

References:

[1]Internship Objectives at https://webdesign.tutsplus.com/articles/12-tips-for-becoming-a-successful-web-designer--webdesign-1189 last accessed on 28 Dec 2017, 12:10 pm

[2]Target Group and Audience at https://www.commonplaces.com/blog/the-importance-of-designing-for-mobile-first last accessed on 5 Jan 2018, 2:30 pm

[3]Product and Market Situation at https://www.ibisworld.com/industry-trends/market-research-reports/wholesale-trade/durable-goods/industrial-supplies-wholesaling.html last accessed on 25 Jan 2018, 3:00 pm

[4]SWOT Analysis at https://www.geoblink.com/blog/swot-analysis-and-location-the-keys-to-your-expansion-strategy/ last accessed on 10 Feb 2018, 2:39 pm

[5]xampp install at https://www.wikihow.com/Install-XAMPP-for-Windows last accessed on 26 Feb 2018, 11:18 am

[6]Challenges at https://www.cabotsolutions.com/2016/05/common-challenges-faced-app-developers last accessed on 28 mar 2018, 11:29 am

[7] Get smart plan at https://www.sitepoint.com/community/t/php-programming-or-seo-job-which-is-good-for-my-carrier/32839 last accessed on 29 Mar 2018, 12:24 pm

[8]Reflection at https://www.themuse.com/advice/3-rules-for-creating-a-beautiful-online-portfolio last accessed on 01 Apr 2018, 4:27 pm

[9]Internship Reflection at https://www.theguardian.com/careers/careers-blog/internships-exploitation-career-graduates-work-experience last accessed on 03 Apr 2018, 1:08 pm

[1] Company Detail at http://atovatech.com/company-profile last accessed on 04 Apr 2018, 5: 55 pm

©Daffodil International University

Appendix A: Internship Reflection

Basically, two options are available for BCC requirement among them one is internship and another is work on a project. I prefer internship as it gives me great and perfect idea about the job market and our country work style. At the same time internship is best because I think it is the grea option for anyone to learn professionalism

As for my internship, I like Atovatech IT institution because of their market value and reputation. Their included service is related to my interesting topic in a large way. As the Atovatech is an interim and my desire to create a professional portfolio then this internship will bring great benefit to my success carrier. It gives me enough opportunities for my future profession.

Web design basically introduces a web-based portfolio. I believe that these portfolios will be able to translate into the professional field in order to understand my skill in website design and development. This also makes me able to showcase my work experience all over the world through this web-based portfolio.

I believe that direct from here I able to works on the professional project with my clients. Behind everything, I feel the honor to work with the team member and fell myself lucky to gain such opportunity [9].

©Daffodil International University

Appendix B: Company Detail

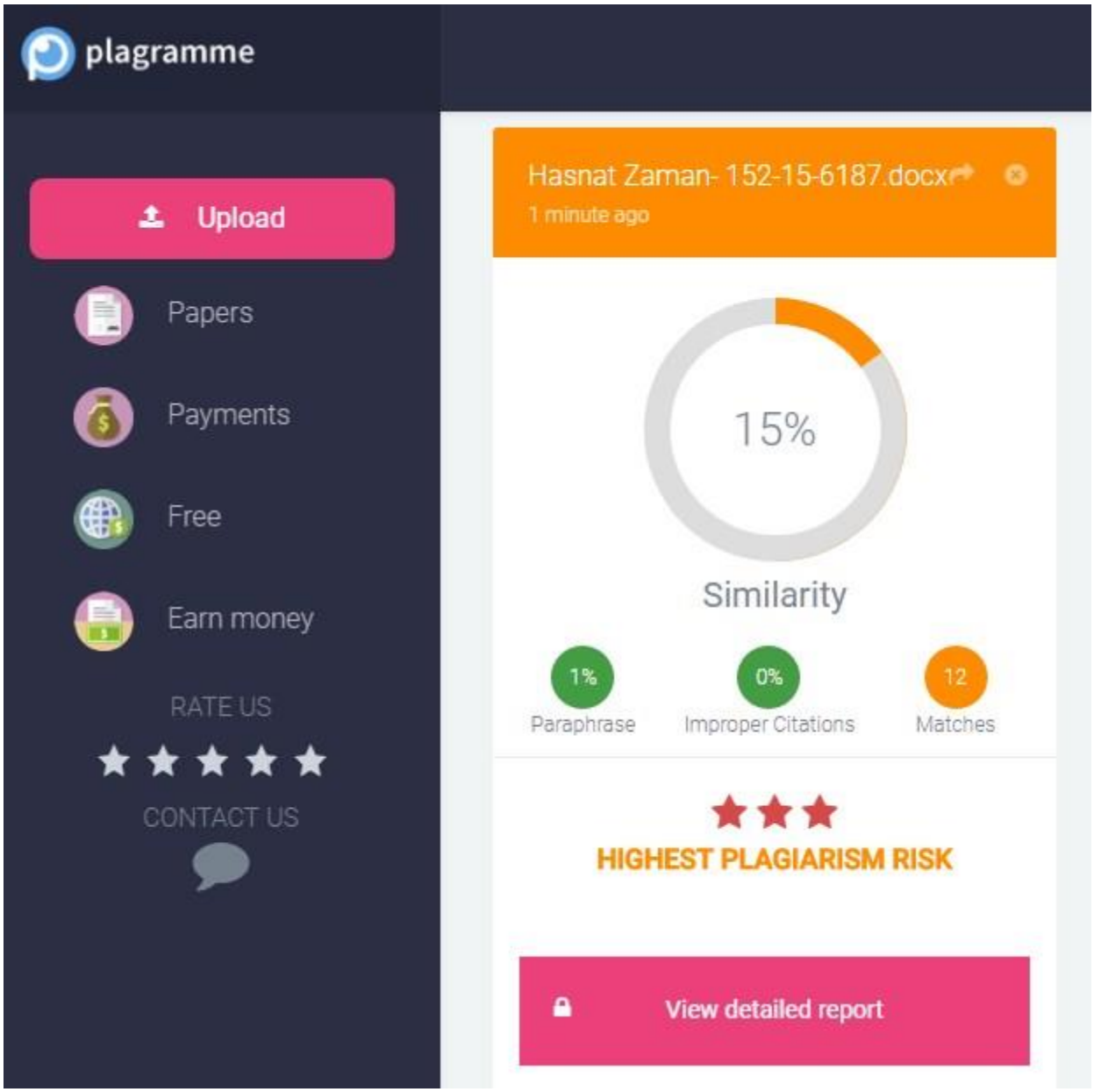
Atova Technology Limited founded in 2016 and already having 70+ clients all over the world. Atova IT based company provide service like web design and development, mobile application development, software development, graphic design, digital marketing and many more outstanding service in a worldwide.

Atova technology limited basically involved in several IT solution and services. We provide major web hosting offers like resellers hosting, cheap web hosting, fast and secure web hosting, VPS hosting, domain resister and much more. Again we offer our client various course like affiliate course, professional civil technology course, basic to advance level Java programming courses and much more.

We are the expert, skilled and experienced team members who gain a lot of positive feedback from our satisfied customer. We start our company in order to help and guild all those people who is looking for all kind of IT related problem solving company. We are the quality team member assure our every client to full support of their every solution and work until then our clients become happy. Our first priority is our client satisfaction [10].

Head Office
Atova Technology Ltd
House- 5/1, Flat- E2, Block- E, Lalmatia,
Dhaka- 1207
Phone: +8801713615831
Email: atovatech@gmail.com
Website: www.atovatech.com

©Daffodil International University



©Daffodil International University