Darksoul IT Farm website: A simple website To,

Mr. Zhang Guanghe

Name: Rashid Mustafa(杜明)

Student ID: 201762000089

Grade: 3rd Year

Abstract

Throughout this course we learnt many things about 'Client Side' programming. For this project I wanted to do something out of my comfort zone. 'Server-Side' programming is unknown to us. So, I wanted to dive in a little bit. Do a project with it. So, I did some basic Client-Server side. I used various frameworks and open source libraries as tools for this website deployment. Which I will discuss broadly later in this documentation. This project may not be the best. But I tried my best!

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Introduction

In This project im trying to build a IT Farm's website where client can knows about company's profile and easily get their service.

In the front end I had to deal with website designing. HTML5, CSS3 and JavasScript is my primary language here. I used JavaScript. For server I used Node. js based Express Framework. And NedB for Database. Which is young cousin of MongoDB! And also I uploaded this project in GitHub.

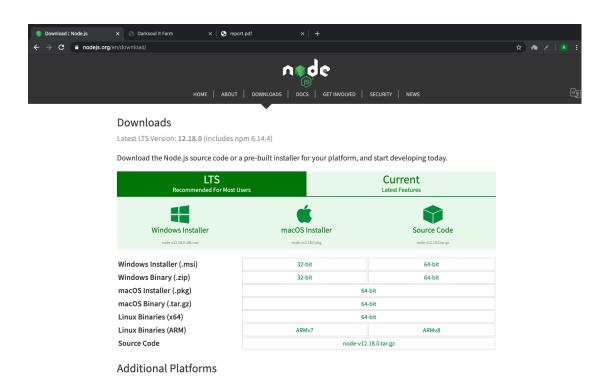
System Requirements and Instructions

System Requirements to run the website locally:

- Any modern computer
- Windows/Linux/Mac Operating System
- Node. js installed
- Powershell/CMD/Terminal
- Browser
 - o Chrome version: 42 or higher
 - o Mozilla Firefox version: 39 or higher
 - o Microsoft Edge version: 14 or higher
 - o Safari version: 10.1 or higher

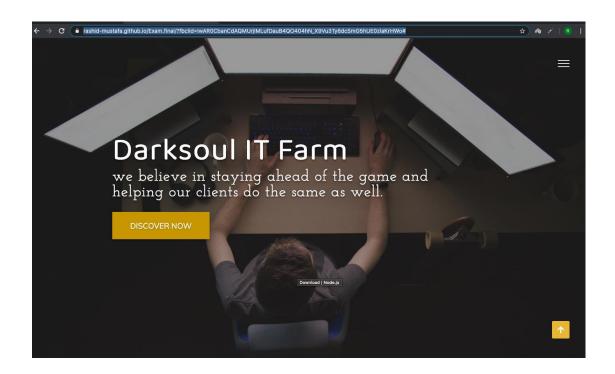
Instruction how to run it locally:

1. Download and Install Node. js



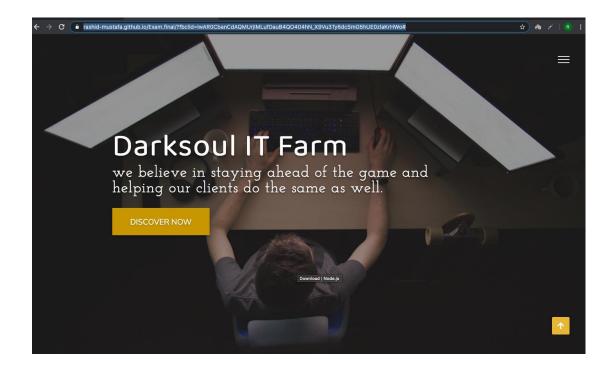
2. Now, open your browser and enter:

 $\frac{\text{https://rashid-mustafa.github.io/Exam.final/?fbc1id=IwAROCbanCdAQMUrj}{\text{IMLufDauB4Q0404hN X9Vu3Ty6dcSmG5hUE0z1aKrHWo\#}}$

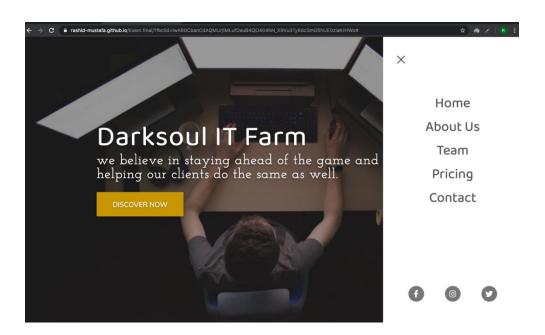


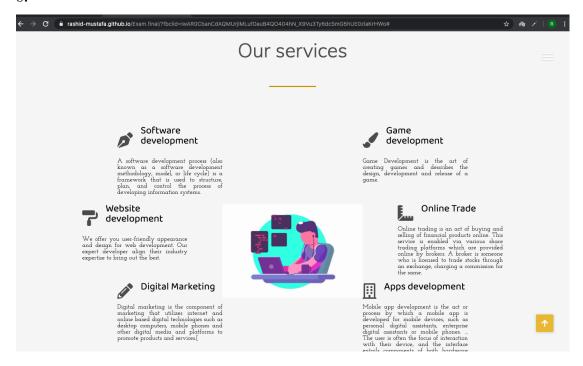
Project Analysis

1. Let's look at the interface again....



2.





4.



← → C • rashid-mustafa.github.lo/Exam.final/?fbclid=lwAR0CbanCdAQMUrjlMLufDauB4Q0404hN_X9Vu3Ty6dcSmG5hUE0zlaKrHWo#

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Our Team

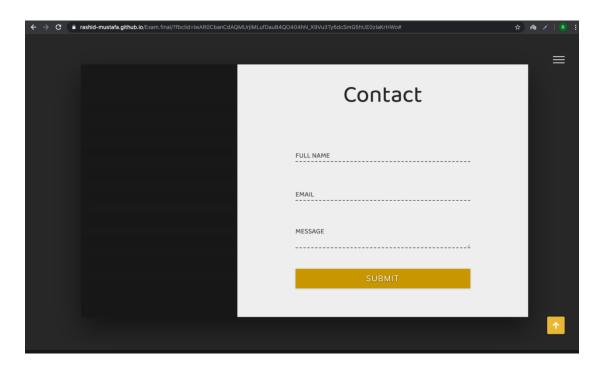






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5.



6.



Client-Side Programming
"Client-side Programming: It is the program that runs on the client machine (browser) and deals with the user interface/display and any other processing that can happen on client machine."
HTML : I used various HTML contents for this project. Here are the list:

• Header

• Footer

• Form

- Textbox
- Button
- Hyperlink
- •Sidebar
- •card-info

CSS:

Skelton library is being used for CSS part of designing. Check http://getskeleton.com/ to use this library. Also I used raw CSS for some animations and other stuff.

Here is the list of some contents:

- Shaping body for divs
- Text alignment
- Fonts
- Background Color and div color
- Background Image
- Sidebar
- submit-btn
- \bullet banner
- ${\color{red} \bullet} contact {\color{red} -} wrapper$

@keyframes moveBanner

JavaScript:

Generally, for exchanging data with the server I used client. js file. Data are transmitted via JSON file format. Also JavaScript ES6 library is used here. (Example: =>)

Here are some contents I used:

- Asynchronous function
- Await Operator
- window. onload
- document.querySelector
- setTimeou
- insertRow, insertCell
- append
- JavaScript Animation

Server-Side Programming

"Web browsers communicate with web servers using the Hyper Text Transfer Protocol (HTTP). When you click a link on a web page, submit a form, or run a search, an HTTP request is sent from your browser to the target server. The request includes a URL identifying the affected resource, a method that defines the required action and may include additional information encoded in URL parameters." I used JavaScript of Server side. Node. js based Web Framework Express. js is used here. For database, I used NeDb

framework. Which is very lightweight for beginners. Also it a cousin of MongoDB framework. Which is very popular among the community.

Website Deployment

This is step-up part I wanted to add in this document. I used Github.

Github Link

https://rashid-mustafa.github.io/Exam.final/?fbc1id=IwAROCbanCdAQMUrjIMLufDauB4Q0404hN_X9Vu3Ty6dcSmG5hUE0z1aKrHWo#

Summary

This project surpasses or redirects from our objective of the project in many way. But I wanted to do a project like this. I learn many thing while doing this task. I want to do more development works in future. The knowledge I gained here will le ad the path.