David Calvin Blood

Meridian, Idaho 83642 (208) 800-9096 david.blood@mtchs.org

Career Goal:

To obtain a career starting and exiting businesses in the technology field

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Meridian Technical Charter High School www.mtchs.org
• Senior Graduation: 2022

• GPA: 3.84

• Software Developer Senior Focus Area

Related Experience:

Web Design 2019 to present

- Programmed webpages in HTML
- Upgraded websites with PHP
- Built website in Atom for Spray Sprinklers business

Computer Science 2019 to present

• Assembled a basic game with Java

Enabled website interactivity using JavaScript

Certifications:

OSHA 10 Hour General Industry	2021
Microsoft Office Specialist	2021
IC3 Certificate	2019

Job Experience:

Self-Employed Lawncare 2015 to 2021

Coordinated Lawncare

Managed an Employee

Swimmin' The Blues Swim Instructor 2019 to 2021

Reported to Parents

• Taught Classes

Spray Sprinklers Web Developer 2021

• Built Website

Skills:

Business Management	Eclipse IDE	Website Interactive JavaScript
Java	MS PowerPoint	Front-end Web Design
Atom IDE	MS Excel	Back-end Web Development

Honors/Activities/Services:

SkillsUSA	Member	2018 to present
 Computer Programming Contest 	Bronze Medal	2021
 Related Technical Math Contest 	Silver Medal	2021
Local Web Design Competition	Placed Second	2020
Sophomore Service Project	3 Week Project	2019
Eagle Scout Award	Plaque	2018

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References

David Gardner
Capital Eleven
Managing Partner
208 471 0007
David@capitaleleven.com

Karl von der Ehe Meridian Technical Charter High School English Teacher 208 288 2928 ext. 103 karl.vonderehe@mtchs.org

> Cody Miller Ultra Labs Founder 208 571 6351 cody@ultralabs.io

OFFICIAL TRANSCRIPT

Blood, David Calvin

MERIDIAN, ID 83642

Meridian Technical Charter High School

3800 N. Locust Grove Rd. Meridian, ID 83646

Meridian, ID 83646 Ph: 2082882928 Fax: 2082885685 http://www.mtchs.org

Grade: 12 Gender: M

Birthdate: 07/16/2004

Grad	le Level	Semester 1	Cre	dits	Gra	ade Level	Semester 2	Cre	dits	TEST	SCORI	ES
		ge Middle School					an Technical Charter High School				ACT	
9	Jileina	Spanish 1A	Α	1.0	9	15 Meridie	Advanced Technical Learning	Р	1.0	Composite	33.0	02/06/202
9		Spanish 1B	Α	1.0	9	020612BA	ACC HS Math 2B-Advanced	Α	1.0	English	33.0	02/06/202
18-19	9 Meridia	an Technical Charter High School			9	051604X	School To Work	Ρ	1.0	Reading	36.0	02/06/202
)20612AA	ACC HS Math 2A-Advanced	Α	1.0	9		Flexible Learning Time 2	Р	1.0	Math	28.0	02/06/202
		Flexible Learning Time 1	Р	-	9		Technology Tools B	Α	0.5	Science	34.0	02/06/202
		Technology Tools A	Α		9		CC English 1B	Α	1.0	L	mpass	00/00/000
		CC English 1A	Α	-	9		Spanish 2B	В	1.0	Math	0.0	00/00/000
		Spanish 2A	C	_	9		Earth Science B	A		Reading	0.0	00/00/000
		Earth Science A	A	1.0	9		Internet Core	Α	1.0	Language	0.0 SAT I	00/00/000
ı		Computing Core	Α	1.0	9	9	Freshmen Citizenship and	Р	1.0	Critical Reading		04/13/202
19-20	0 Meridia	an Technical Charter High School ACC HS Math 3A-Advanced	۸	1.0	١. ـ		Professionalism			Math		04/13/202
ı		US History-Comprehensive A	A A	1.0	19- ₁∩	-20 Meridia	an Technical Charter High School ACC HS Math 3B-Advanced	Α	1.0	Writing	0.0	04/13/202
		CC English 2A	A	1.0			US History-Comprehensive B	A	1.0	Composite		004/13/202
		Biology 1A	A	1.0		10	Sophomore Citizenship &	P	1.0	l '	SAT II	00 11 101202
	Online	Entrepreneurship	C	1.0	١'	10	Professionalism	•	1.0	American History	0.0	00/00/000
	Neb1	Web Design 1	A	1.0	10	100204B	CC English 2B	Α	1.0	Biology	0.0	00/00/000
ı		an Technical Charter High School				140104X	•	Α	1.0	Chemistry	0.0	00/00/000
11 ()31614A	Physics-Conceptual A	Α	1.0			Biology 1B	Α	1.0	English Composition	0.0	00/00/000
		CC English 3A	Α	1.0		BUS1	Business 1	Α	1.0	English Proficiency	0.0	00/00/000
		Calculus 1A-Advanced	Α	1.0	10	CS1A	Computer Science 1A	Α	0.5	Math Level 1	0.0	00/00/000
11 2	273004A	American Government A	Α	1.0	10	Online	Creative Writing	Α		Math Level 2	0.0	00/00/000
11 (CS1B	Computer Science 1B	Α	2.0	10	Web1B	Web 1B	Α	0.5	Physics	0.0	00/00/000
21-2	2 Meridia	an Technical Charter High School			20-	21 Meridia	an Technical Charter High School			Spanish (reading onl	y) 0.0	00/00/000
		CC English 4A	Α	1.0			Physics-Conceptual B	Α	1.0	Spanish w/Listening	0.0	00/00/000
12 2	205605A	Calculus II A-Advanced	В	1.0	11	100304B	CC English 3B	Α	1.0	Writing	0.0	00/00/000
12 (CS3A	Computer Science 3A	Α	2.0	11	11	Junior Citizenship & Professionalism	Ρ	1.0		ISAT	
					11		Calculus 1B-Advanced	Α	1.0	Math	0.0	00/00/000
					11		Employment Preparation	Α	1.0	Language	0.0	00/00/000
					11		American Government B	Α		Reading	0.0	00/00/000
					ı	BUS2A	Business 2	A	1.0	Science	0.0	00/00/000
					11		Citizenship (Civics) Test	P	0.0			
					11	CS2	Computer Science 2	Α	1.0	GPA INFO	RMATIC	ON
					111	Web3	Web Design 3	Α	1.0	Grade S1 S2	20	
										09 3.7333 3.818 10 3.6667 4.000		
										11 4.0000 4.000		
										12 3.7500	,,,	
										Sumi		_
										Total Units Earned:	52.0)
										Total Units Attempte Cumulative GPA:	d: 52 3.86	336
										Graduation Date:		20/2022
										Class Rank:		out of 40
										GRADE	SCALF	
					l					A 4.00	JUALL	
					l					B 3.00		
					l					C 2.00		
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										*Competencies not r	,	
1					l					Not Includ	ed in G	PA
l					l					P Passing		
										R Retake		
										GPA is weighted bas	sed on c	redit hours
										Some courses not in		



Meridian Technical Charter High School 3800 N. Locust Grove Meridian, ID 83646 Phone: (208) 288-2928

Fax: (208) 288-5685 www.mtchs.org

Junior Pre-Internship Evaluation Form Computer Science/Web Development

Student Calvin	Blood (X)	Date 4/20/21
Evaluated by	Duane Erickson (D)	

Juniors:

- 1. Please rate yourself on the following checklist for your skills related to your career pathway.
- 2. Have your Tech Teacher rate you on the following checklist and sign.
- 3. Schedule a meeting with your Tech Teacher to discuss your skills and abilities.
- 4. Scan the completed form with rubric (2 pages) to add to your PDF Portfolio.
- 5. Submit completed form to Ms. Deitchler for the Employment Prep class grade.

TECHNICAL SKILLS	Not Applicab		Exposure Only	Limited Competence/ Novice	Competent Proficient/ Apprentice	Mastered Journeyman/ Trainer
Web Development	•				•	
Front-end web design using HTML5 and CSS3					X D	
Front-end web design using WYSIWYG (Wix, Dreamweaver)					X D	
Write JavaScript to provide interaction with web page elements					X D	
Write JQuery to provide interaction with web page elements				X D		
Design, build, and/or maintain web sites using CMS (WordPress)		X	(D		
Create web mockups (Photoshop)	Х		D			
Logo & Icon design (Illustrator)				X D		
Create UX/UI designs (Adobe XD)	Х	D				
Write php to dynamically create web content				X D		
Write MySQL statements to work with databases and tables				X D		
Combine php and MySQL to create a database driven web site				X D		
Design Relational Database		X	(D			
Use cPanel (File Manager, php MyAdmin, MySQL Databases) to create, update, and/or manage websites					Х	
Software Development						
Develop effective solutions to problems using other resources (internet, books, journals)					X D	
Conduct trial runs of applications to be sure they will produce the desired information and that the instructions are correct					Х	
Correct errors by making appropriate changes and rechecking the program to ensure that the desired results are produced					Х	
Write object oriented code using Java					X D	
Write object oriented code using C#	Х	D				
Knowledge of additional programming languages, please list:	Х	D				
Use version control software – (git, svn)				X		
List other IT/Media skills and comments not listed above.						

Technical Skill Assessment Feedback Rubric

Performance Level	Insufficient Work Shown	Exposure Only	Limited Competence - Novice	Competent - Proficient/Apprentice	Mastered - Journeyman/Trainer
Definition of Performance Level	provide sufficient work to evaluate the essential content, knowledge, and/or skills needed to	With significant supervision and/or prompting the student can demonstrate, apply, or transfer the essential content, knowledge, and/or skills needed to demonstrate proficiency.	and/or assistance the student can demonstrate, apply, or transfer the essential content, knowledge and/or skills	apply, or transfer the essential content, knowledge, and/or skills on a new task or in a new situation.	
	demonstration of knowledge, Disjointed, Limited range of words.	demonstration of knowledge occurs only with the assistance of students/teacher, Evidence of knowledge is unstructured or simply reproduced from class	knowledge present, Recall information with minimal hints from students/teacher, Match or reproduce a skill, Identify skill/knowledge from a list. (Focus is on applying and enhancing knowledge and skill to work toward	knowledge to create or formulate new concepts is present, but demonstrates no consistency in the application of knowledge or skills use. (Focus is on broader strategic issues and moving toward self- knowledge)	
Examples	of clarity, one-word answers	questions have not been answered, answers may not be in complete sentences,	mostly followed, but there is no evidence of understanding. Written work lacks evidence of basic usage concepts or may lack structure	followed and completed with correct information, but there is little evidence of analysis, creativity, comparing, assessing, etc. Written work	EX: Instructions have been followed and completed with correct information and there is clear demonstration of evidence showing analysis, creativity, comparing, assessing, etc.

NAME: Calvin Blood ✓

s w u

TECH PATHWAY TEACHER: Duane Erickson (D)

1. Rate yourself in each area by highlighting or circling the letter on the rating scale S, M, W, U.

S=Strength: Top 10% of personal skills. Displays at all time, without exception, a consistently high level of the job skill. (10 pts)

M=Meets Expectations: Maintains an effective and consistent level of performance of the job skill. (9 pts)

W=Work in Progress: Displays inconsistency in the performance of the job skill and frequently falls below acceptable. (8 pts)

U=Unsatisfactory: Regularly fails to meet required outcomes requiring intervention, repetition of duty or completion by others. (0 pts)

2. After rating yourself, email to your technology pathway teacher to have them rate you in each area by highlighting or circling the letter on the rating scale (above) S, M, W, U.

	on oning the letter on the rating soule (above) o, in, iv, o.								
Co	mm	unic	ation						
S	M		U	Reports Accurately and Concisely					
S		W	Ü	Comprehension - Pays attention and catches on to ideas and situations					
S	ď	W	Ü	Follows intent of oral directions/instructions					
s	M	W	Ü	States information in a concise, clear and logical order					
S	M	W	Ü	Formulates and clarifies questions					
S	M	W	Ü	Answers questions accurately					
S	V	W	Ū	Uses appropriate vocabulary/grammar					
S	M	w'		Uses non-verbal body language appropriately					
S	M	W	U	Presents information effectively to groups					
Ø	М	W	U	Read, comprehend and apply new material					
Int	erpe	ersoi	<u>nal</u>						
S	M	W	U	Believes and respects selfConfidence					
S	M	W	U	Tact - Is careful not to hurt others feelings or cause anger especially when expressing opinions					
S		W	U	Enthusiasm - Demonstrates desire to learn and please; eager, earnest, zealous worker, positive attitude					
S	M	W	U	Cooperation - Demonstrates willingness to work as a team member and assist both internal and external customers					
S	M	W	U	Exhibits openness and respect for others					
S	V	W	U	Exercises flexibility, patience and tolerance when dealing with others					
S	D	W	U	Using suggestions about improving skills with a positive attitude					
S	M	W	U	Demonstrates ability to negotiate differences with others					
\$	M	W	U	Leadership - Gets others to cooperate and channel efforts towards a common goal					
S	Ø	W	U	Poise - Maintains self-control in actions, speech and emotions					
			ity Sk						
Ø	M	W	U	Produces type, quality and amount of work required					
S		W	U	Maintains punctuality and meets attendance requirements					
S	_	W	U	Continues difficult tasks until completed: Perseverance					
S	M	W	U	Initiative - Finds work to do without being told: is self-motivated, is first one to begin work					
S	M	W W	U	Accepts assignments/responsibilities					
8	M M	W	U U	Reliability - Completes tasks assigned without constant supervision					
S	M.	W	U	Takes responsibility for own actions whether positive or negative and performs any required actions Manages time effectively by prioritizing tasks					
S	Ø	W	U	Respects rights and property of others					
S	M	W	U	Adheres to policies and regulations of health, honesty and safety					
S	M	W	U	Presents a clean, professional appearance and follows company dress code					
S	M	W	U	Adaptability - Adjusts to changes in schedules, job assignments, supervisors					
S	V	W	U	Supports goals, objectives and mission of organization					
S	M	W	Ü	Knows basic employee/student rights, responsibilities and reporting procedures					
S	M	W	Ü	Suggest or make workplace improvements properly					
S	M	W	Ü	Keeps work area in a clean, organized, and safe condition					
S	M	W	Ü	Meets deadlines					
_	-		-						
Pre	oble	m S	olving	and Reasoning Skills					
Ş ∕	M	W	U	Recognizes problems that need to be solved					
S	M.	W	U	Identifies procedures or steps to completion (goals or milestones)					
S	M	W	U	Gathers resources					
8	M	W	U	Utilizes resources to solve problems and expand knowledgebase					
S	M,	W	U	Collects, organizes and interprets information					
S	M	W	U	Formulates alternative approaches					
S	V	W	U	Analyzes and selects most effective approach					
S	M	W	U	Periodically reviews progress of goals or milestones					
8	M	W	U	Corrects errors					

Summarizes conclusion and communicates results or final product

> CareerSafe®

presents

Certificate of Completion

to

David Blood

has completed the OSHA 10-Hour General Industry Course. All requirements have been satisfactorily met.

Trainer:	Andrea Foster Mack	Date:	February 02, 2021

As an OSHA authorized trainer, I verify that I have conducted this OSHA outreach training class in accordance with OSHA Outreach Training Program requirements. I will document this class to my authorizing OSHA training organization. Upon successful review of my documentation, I will provide each student his or her completion card within 90 days of the end of class.

www.careersafeonline.com



Microsoft Office Specialist - Associate

Calvin Blood

has successfully completed the requirements to be recognized as a

Microsoft Office Specialist - Associate

PowerPoint and PowerPoint 2019 Word and Word 2019 Excel and Excel 2019

Date of achievement: January 28, 2021 verify.certiport.com wnxbH-48uk

Satya Nadella
Chief Executive Officer







CALVIN BLOOD

Is hereby granted this certification for having demonstrated basic computer hardware, software and Internet knowledge and skills through the successful completion of the examinations comprising IC3.

Key Applications - Living Online - Computing Fundamentals

IC3 GS5 IC3 GS5 IC3 GS5

ROBERT WHELAN

Libert Doch

President and Chief Executive Officer Pearson VUE



MAY 8, 2019















Binary Tree

The Binary Tree project was a cumulation of several concepts from Computer Science 3. Using recursion and inheritance we had to build a Binary tree that could be traversed, searched, added to, and removed from. We also had to set up a method for the tree to randomly generate values if none were entered by the user. The Binary Tree was an enjoyable project because it required keeping track of what you are moving and juggling a lot of components. It took a lot of effort to get everything in the right spot, but once it worked, it was quite enjoyable to traverse the tree and see the program running.

```
public T find(T targetElement) throws NoSuchElementException{
    if(node == null){
        node = root;
    }

    Node<T> inner = node;
    if(inner.getValue().compareTo(targetElement)==0) {
        return node.getValue();
    }

    if(inner.hasLeftChild()) {
        previousNode=node;
        node=inner.getLeft();

        //System.out.println(node.getValue());
        try {
            if(find(targetElement)!=null) {
                return node.getValue();
            }
        } catch(NoSuchElementException e){
        }

    }

    node=inner;
    if(inner.hasRightChild()) {
        previousNode=node;
        node=inner.getRight();

        //System.out.println(node.getValue());
        try {
            if(find(targetElement)!=null) {
                return node.getValue();
            }
        } catch(NoSuchElementException e){
        }
    }

    previousNode=inner;
    throw new NoSuchElementException();
}
```

```
Binary Tree Generated

Would you like to (a)dd values, (r)emove a value, (f)ind a number, (p)rint information, or (q)uit the interface?

information to get:
    selected (n)ode's infromation
    m(i)nimum value in tree
    m(a)ximum value in tree
    (s)ize of the tree
    (p)rint the entire tree
    (d)eselect node
    (q)uit information

pr

11

1-0

1-1

1-0

1-2

1-2

1-23

1-24

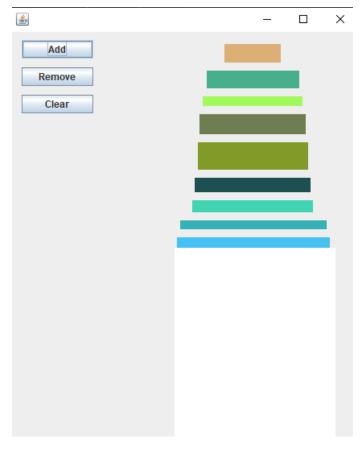
1-25

1-29

1-29
```

Pez Dispenser

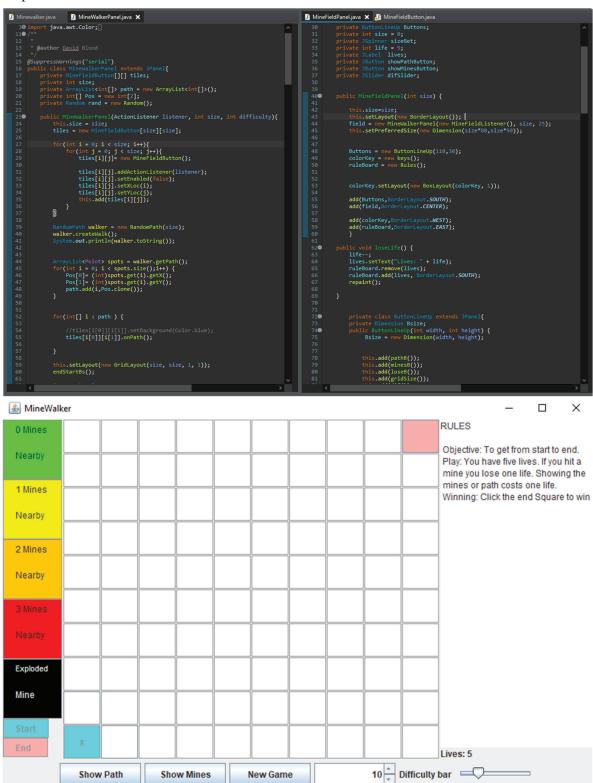
The Pez Dispenser Project was a test of my knowledge of stacks and queues. We had to use either a stack or a que to build a GUI that acted like a Pez dispenser with one difference. The Pez pieces were of random size and had to be sorted by width when they were added. This required a sorting algorithm, which was fun to build and implement. The Pez Dispenser was challenging because I also had to make sure the Pez pieces didn't overflow the container, which was tough when you didn't know how many would fit in it. The result of the project was a fun GUI that you could add and remove blocks from.



```
×
setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
setBounds(100, 100, 450, 550);
contentPane = new JPanel();
contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
setContentPane(contentPane);
contentPane.setLayout(new BoxLayout(contentPane, BoxLayout.X_AXIS));
ButtonPlace.setMaximumSize(new Dimension(200, 32767));
contentPane.add(ButtonPlace);
ButtonPlace.setLayout(null);
out.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
          if(candies.size()>0) {
               candyLand.removeAll();
               candies.remove(0);
               for(Pez treat : candies){
    JPanel wrapper = new JPanel();
    wrapper.setPreferredSize(new Dimension(200, treat.getHeight
    wrapper.setBackground(new Color(238,238,238));
}
                    wrapper.add(treat);
                    candyLand.add(wrapper);
                    revalidate();
```

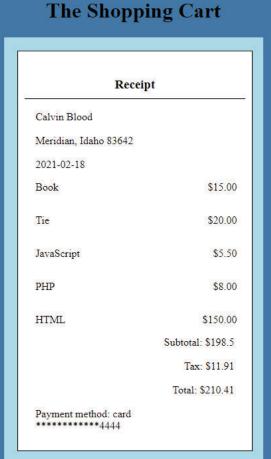
Minewalker Game

The Minewalker Game was the final project of Computer Science 1B, taken during my junior year of high school. The goal of the project was to create a functioning replica of the game using Java. The Project was completed solely by me, and as a result I took several weeks to write the code, test, and debug. Some of the tools I used to complete the game were the java textbook provided to me, Stack Overflow, and Eclipse IDE. One of the most challenging things I had with this project was creating a path from start to end and guaranteeing it was mine free. To solve this problem, I generated an array list of points and used code from an older project to generate the path and stored the points of the path in the array list, to be accessed when assigning mines their values and colors. Overall, this project is one of my favorites, and one that I put more effort into



The Shopping Cart

The Shopping Cart was an assignment from Computer Science 2 in my junior year of high school. The assignment was one I quite enjoyed and did extra work on to make it work the way I thought it should work. I spent a little over a week writing all the HTML, CSS, PHP and even a little JavaScript. The purpose of the assignment was to be able to apply our knowledge of PHP. I used PHP to perform calculations and print out a receipt with all the information in the form. What caused me trouble on this assignment was my expanding shopping cart. I had attempted to use PHP to add items, but that only could add one item. I ended up using JavaScript to add item and price inputs.





Spray Sprinklers Website

I built a website for Spray Sprinklers The website is designed for signups for sprinkler blowouts, to increase Spray Sprinklers my client pool. I also keep the page up to date, so I devote time weekly or daily to working on it. When I built the site, I implemented a data structure and table that allows for the editing

include('header.html');

include('script.html');

<section id="contactform">
<h3>Contact Form</h3>

<label>Full Name:</label>

<label>Email:</label>

<form action="formmail.php" method="post" >

<input type="text" placeholder="Enter your full name" required name ="fullname"/>

<section id="main">

ContactUs.php

of requests and the marking done of completed ones. The development of the site took me two months, and I had several large problems along the way, including submission emails. One of the best ways I have found to resolve those problems was to refer to previous work and to research my problems. A lot of times I googled ways to do something differently, or how a specific method or tag works. You can check out the website I built at spraysprinklers.com.

```
<input type="email" placeholder="Enter your email" required name ="email"/>
 at spraysprinklers.com.
                                                                 <label>Phone:</label>
         script.html
                                                                 <input type="tel" placeholder="Enter your phone number" name ="phone"/>
 window.onscroll = function() {
                                                                 <label>Comments:</label>
                                                                 <textarea placeholder="Comments and Critiques" required name ="comments"></textarea>
 var header = document.getElementById("myNav");
                                                                <input type="submit" class="button" />
   if (window.pageYOffset > sticky) {
                                                                 <input type="reset" class="button"/>
    header.classList.add("sticky");
     header.classList.remove("sticky");
         header.html
<!doctype html>
<html lang="en">
                                                              include('footer.html');
                                                                                                  🗸 🔼 Lawn
                                                                                                         images
   <section id="header">
    <h1>Pro Mows</h1>
                                                                                                        about.php
                                                                                                        ContactUs.php
    <section id="logo"><img src="images/Lawnmower.jpg" alt="Calvin Blood lawn care temporary logo" /></section>
     <article><a id="home" href="index.php">
                                                                                                        footer.html
        Home
                                                                                                        formmail.php
     <article><a href="about.php">
                                                                                                        header.html
     <article><a href="Signup.php">
        Sign Up
                                                                                                        index.php
     <article id="contactUs"><a href="ContactUs.php">
                                                                                                         script.html
       Contact Us
                                                                                                         Signup.php
                                                                                                        styles.css
```