Project Report

Product Name	Advanced Certificate in Web Development
Qualification Name (NICF)	ITSF - Advanced Certificate in Information Technology (Application Development)
Product Name	Front End Web Development
Module Name (NICF)	ITSF - Front End Web Development

Student name	Assessor name	
Wildan Luqmanul Hakim		
Date issued	**Completion date**	**Submitted on**
	May 10, 2022	May 10, 2022

Project title	**Development of website for a Training Organization**

Learner declaration
I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.   Student signature: Date:

Content

1. Project Background

Website is a medium used to accommodate text data, images, sounds, and animations that can be displayed on the internet and can be accessed by computers connected to the internet globally. Website is a computer network-based information media that can accessible anywhere at a relatively low cost.

in this case the ABC Learning Center makes a website-based learning that will make it easier for peoples to access it anytime and anywhere, ABC Learning Center provides various courses such as Learn Java, Learn Python, and many others. at ABC Learning Center you will get a cheap course price, and of course with a reliable mentor who is ready to help you.

The competition is so tight that ABC Learning center continues to move forward to be the best in technology-based learning courses.

2.   Project Objective

ABC Learning Center's business goals:

- Improve branding image
- Increase the number of monthly qualified leads by 20%.
- Make course helpful for customers
- Make visitors fun with the course

ABC Learning Center's website goals:

- Easy to access and navigate to obtain latest information
- Accessible 24/7
- Making simple platform Lead generation

Tools & platform used

- Figma for wireframe and storyboard design
- Visual Studio Code for development
- Microsoft Word for document
- Microsoft Powerpoint for presentation
- Following, but not limited to, browsers are used
    1. Google Chrome

3.   Requirement Specification

Scope

- Display the content relevant to the courses
- Lead Generation Form
- Lead Administration

Out of Scope

- Integration with database
- User administration – login, logout, user registration,
- Search Engine Optimization
- Backup site
- Responsive page for administration

Functional Requirements

Following features and pages should be available in the website.

1. Common Content
    a. Header
    b. Footer
    c. Navigation
2. Home Page
3. About Us Page / Profile Page
4. Course Listing Page
    a. Learn Java
    b. Learn Python
    c. Learn .NET
    d. Learn Microsoft Office
5. Course Details Page
    a. Learn Java
    b. Learn Python
6. Course Schedule Page
    a. Learn Java Schedule
    b. Learn Python Shedule
7. Contact Us Page
8. Registration Course Page
    a. Full Name
    b. Email
    c. Contact Number
    d. Select Gender
    e. Select Course
9. Thank You Page
10. Lead Administration Page
    a. Add – to add new lead
    b. List – to list the leads
    c. Edit – to update the lead details
    d. Delete – to delete the leads
11. Sitemap Page
12. Privacy Policy Page

Non-functional Requirements

1. Branding
   a. ABC Learning Center logo
   b. ABC Learning Center domain name as abc.com
   c. ABC Learning Center corporate color scheme
2. Following browsers but not limited to are to be supported.
   a. Google Chrome
   b. Microsoft Edge
   c. Mozilla Firefox
   d. Safari
   e. Opera
3. Website must be able to scale when traffic volume increase.
4. Website must be available 24/7 with at least 99.9% uptime.
5. Website pages must load within 3 seconds.
6. All data store must be secured.

Technical Requirements

1. Software
   a. Tomcat 9/Apache 2.4
   b. Editor: Visual Code Studio
   c. Programming Languages: HTML, CSS, JavaScript, jQuery
2. Hardware
   a. Client (User) – Windows 10 and above. Mac 10.11 and above
   b. Server (Hosting Environment) – Windows Server

4.   Task 1

Task Statement:

Requirement specification for website, lead generation form and lead administration system.

Solution:

Scope

- Display the content relevant to the courses
- Lead Generation Form
- Lead Administration

Out of Scope

- Integration with database
- User administration – login, logout, user registration, reset password
- Search Engine Optimization
- Backup site
- Responsive page for administration

Functional Requirements

Following features and pages should be available in the website.

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   h. Contact Number
   i. Select Gender
   j. Select Course
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5. Task 2

Task Statement:

User Interface and Information flow

Solution:

This section is documented in the Project Presentation.

6. Task 3

Task Statement:

Developed HTML pages with screen capture.

Solution:

The HTML pages are documented in the Project Presentation.

7. Task 4

Task Statement:

UI Components developed using jQuery with screen captures.

Solution:

These components are documented in the Project Presentation.

8. Task 5

Task Statement:

Summary of effectiveness of Lead Generation form based on 2 metrics.

Solution:

Lead generation is a powerful tool for promoting or advertising products or services. Lead generation is a technique for attracting potential customers and guiding or showing them your products or services in a unique and interesting manner. ABC Learning Center's target customers in this case are those with an interest in the field of information technology. To attract potential customers, ABC Learning Center will use their website to promote and showcase their products/offers, such as showing the benefits of applying for the courses, showing what they will learn, showing the company's origins, privacy policy, and each course schedule and subjects.

The most important part of a website's landing page is to entice a potential customer (visitor) to stay and look at the products or services on offer. With its new website, the ABC Learning Center will include "call-to-action" features or a display image that will pique the visitor's interest and curiosity. If a visitor stays on the website and browses around, they can fill out the "registration form" on the home page, which is marked with "Read More Button".

When a visitor submits a registration form, the ABC Learning Center staff is able to view the information immediately and will contact the visitor for further coordination or arrangements.

Metrics for Lead Generation Form

- Filling out the Registration Form should take no longer than 2 minutes.
- To prevent unwanted data or errors, the registration form includes a validation feature.
- For easy access, the registration button is located on the home page.

9. Task 6

Task Statement:

Modifications to User Interface based on effectiveness

Solution:

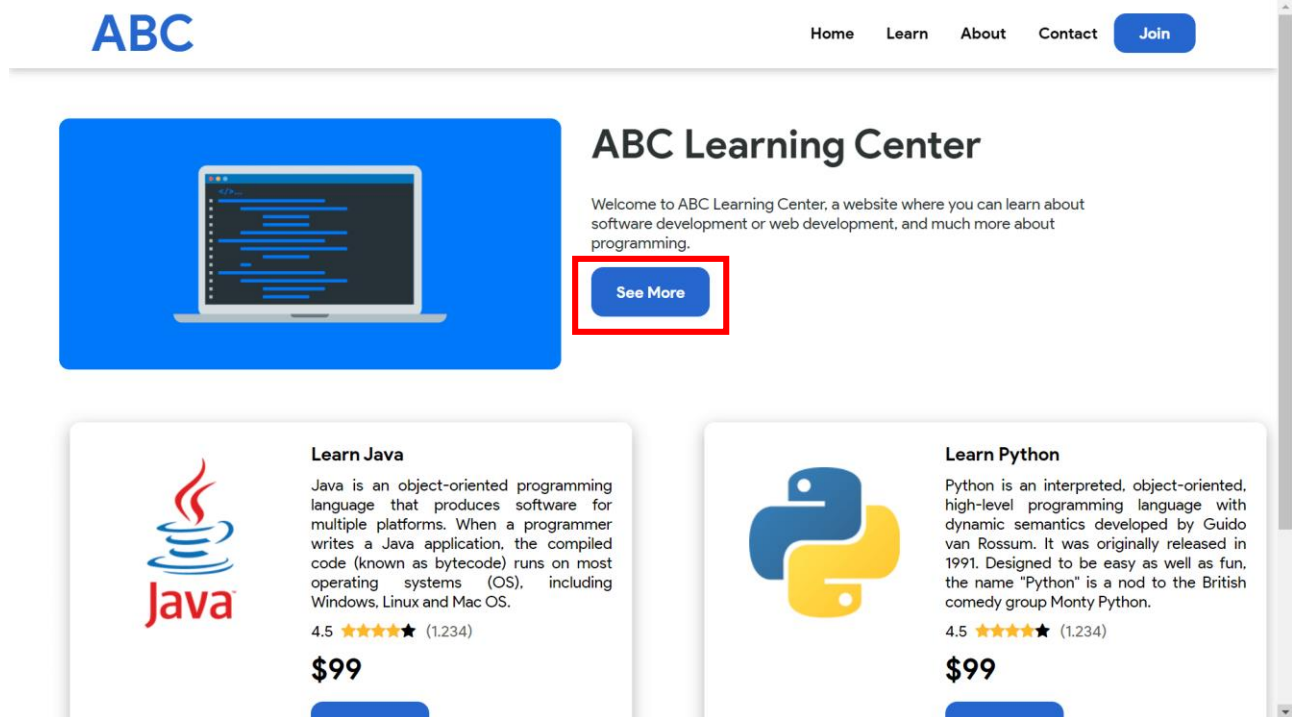This is discussed in the Project Presentation.

10. Task 7

Task Statement:

User Guide for the Lead Generation form & its administration.

Solution:

Lead Generation Form

1. At the Home page, click on the "See More" side of Laptop Picture

2. You will be redirected to Course Registration Page

3. Fill up the form to input the followings.
   a. Enter the full name
   b. Enter the email
   c. Enter the contact number
   d. Select the gender
   e. Select the course
4. Click 'Submit' button to submit the form into the system.

5. Upon submission, validation of fields will be done. If there's any mistake, a guide will be displayed as shown below.

6. If all entries are validated correct, You will be redirected to Thank You Page as shown below.

Lead Administration System

Leads Listing Page

List Leads

+ New

No	Name	Email	Contact Number	Gender	Course	Action	Delete
1	Wildan Luqmanul Hakim	wildanluqmanul@gmail.com	+6281224239054	Male	Learn Java	Edit	Delete
2	Asep Gemink	asepgemink12@gmail.com	085765640776	Female	Learn Python	Edit	Delete

Add Lead

1. Click on the "+New"

ABC

List Leads

+ New

No	Name	Email	Contact Number	Gender	Course	Action	Delete
1	Wildan Luqmanul Hakim	wildanluqmanul@gmail.com	+6281224239054	Male	Learn Java	Edit	Delete
2	Asep Gemink	asepgemink12@gmail.com	085765640776	Female	Learn Python	Edit	Delete

2. A pop-up form will be displayed as shown below.

ABC

+ New

No		Delete
1		Delete
2		Delete

Add Lead

Full Name

Enter Full Name

Email

Enter Email

Contact Number

Enter Contact Number

Select Gender

—SELECT—

Select Course

—SELECT—

Add

3. Fill up the form to input the followings.
   a. Enter the full name
   b. Enter the email
   c. Enter the contact number
   d. Select the gender
   e. Select the course

4. Click 'Add' button to create the new lead into the system.
5. Validation of fields will be done. If there's any mistake, a guide will be displayed as shown below.

6. Click 'close button' at the top right to cancel the creation of the lead.

Edit Lead

1. Click on the 'Edit' of row

2. A pop-up form will be displayed as shown below.

3. Make the required changes accordingly.
4. Click 'Edit' button to update the lead into the system.
5. Validation of fields will be done. If there's any mistake, a guide will be displayed as shown below.

6. Click 'close button' at the top right to cancel the modification of the lead.

Delete Lead

1. Click on the 'Delete' of row of the lead to remove.