

Swinburne University of Technology

ASSIGNMENT PART 1 - GROUP 4

INDIVIDUAL REPORT

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I. INTRODUCTION

1. Website Introduction

The website that we built is a comprehensive online platform named TCAMV (first letter of all members' names) for e-learning that provides three different types of courses to users. The website has been designed to offer a wide range of courses to help users gain more skills and knowledge in three main fields: Computer Science, Business and Media & Communication.

2. Objective of the report

The purpose of this report is to analyse some main aspects of the website, including its design, functionality and content. The website shall be evaluated based on a range of criteria, such as website content, website style, key features and enhancements. Some recommendations for future improvements will also be discussed.

3. Structure of the report

3.1. Website content: Purpose and main content of each page, HTML technical details and website sitemap.

3.2. Website style: Website presentation, CSS technical details and website user interface.

3.3. Key features & Enhancements: Highlight the key/innovative features and describe the enhancements.

3.4. My contribution: List and discuss my main contributions.

II. WEBSITE CONTENT

1. Purpose and main content of each page

To make it simple for users to traverse the whole website, a navigation bar is located at the top. Every page of the website features it consistently, making it simple for users to find what they're looking for.

Every page has a footer that includes further details about the website, navigation links, social media connections, and help services.

1.1. Index page (index.html)

The index page has a simple, clean, and user-friendly design with an available-types-of-course, featured courses (links to product page), discount courses (image map), a short introduction about us (links to about page) and a customer testimonial section. It also includes a brief introduction to the company and links to its about page. Two key features of the website include a navigation menu and a few buttons that encourage users to explore more of it and learn more about TCAMV and our courses.

1.2. Product page (product.html)

The product page shows a total of nine courses and gives a detailed overview of each one, including a description, features, number of lessons, time required to finish the course, entrance level, author, and price. A table listing available dates for scheduling a consultation to assist in selecting the appropriate course is located at the bottom of the page, and a brief introduction to Swinburne University of Technology is included at the top.

1.3. Enquire page (enquire.html)

The contact form is showed on the enquire page with a list of contact information, including name, email address, phone number, address, postcode, etc., as well as a brief message textarea. This page uses all form control components, and an HTML form validator is utilised to make sure users enter the correct format and submit forms with valid data.

1.4. About page (about.html)

The about page includes a list of team members, some information about our major and contact information. This page uses some main elements such as <figure> for images and a definition list for members' information.

2. HTML markups utilisation

2.1. Basic elements

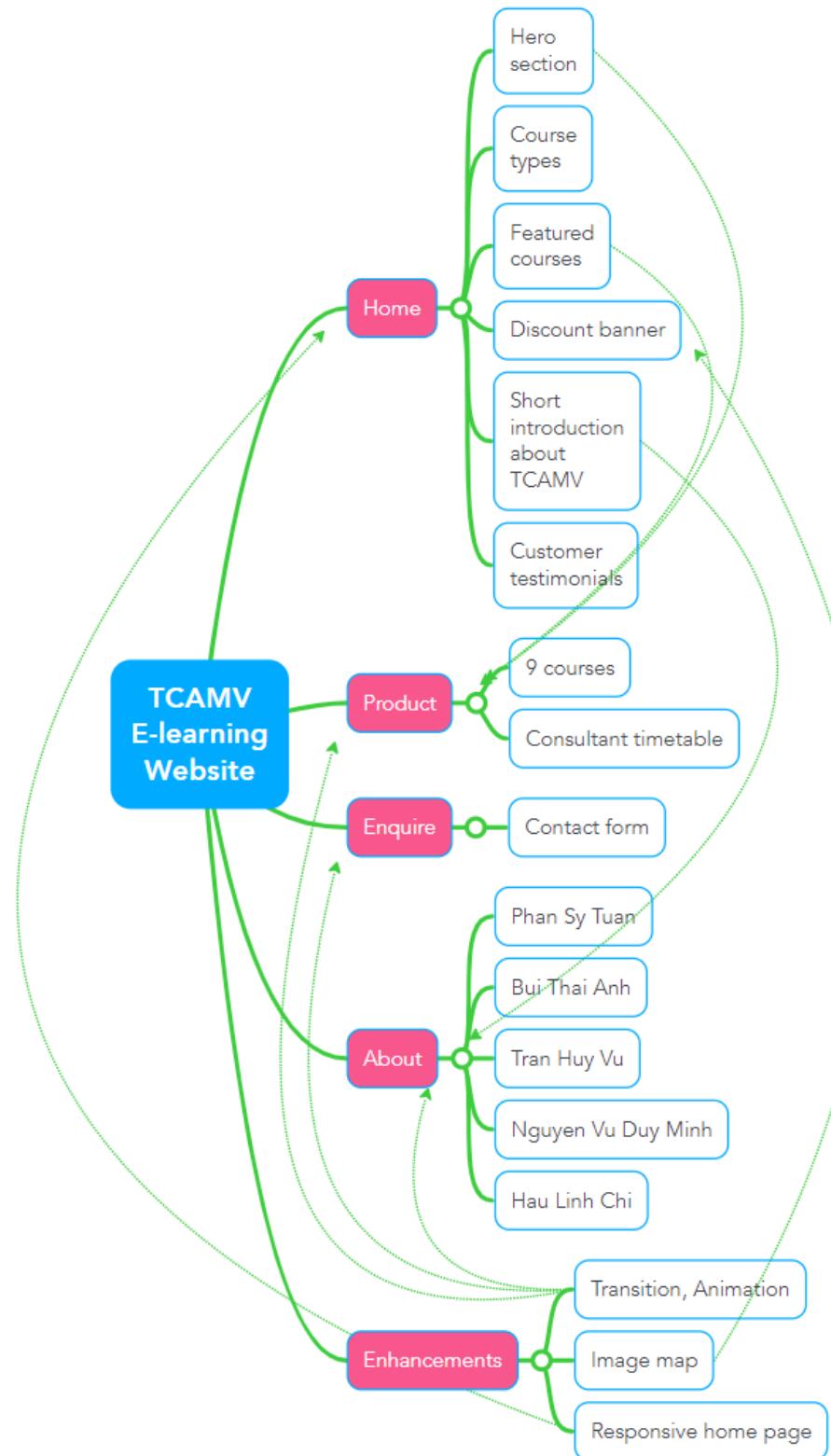
- Headings <h#>: Used to display important information and let the search engine know about the structure of the website (at least 2 levels of hierarchical structure of headings are applied on the product page)
- Paragraph <p>.
- Lists:
 - + Ordered list (product page) with every child item in the list is made using list items .
 - + Unordered list (product page) with every child item in the list is made using list items .
 - + Definition list <dl> <dt> (about page).
- Table: All other elements that define the rows and content are contained within the <table> element: <th>, <tr>, <td>.
- Image for embedding images.
- Anchor <a> for hyperlinks and connect pages.

- Form elements `<form>` and form control elements: `<input>`, `<label>`, `<select>`, `<option>`, `<fieldset>`, `<textarea>`.
- Figure: Specifies self-contained content, its content is related to the main flow but its position is independent of the main flow, and if removed it should not affect the flow of the document.

2.2. Structural elements

- Division `<div>` is used to designate a division or segment.
- Section `<section>` defines different sections.
- Footer `<footer>` defines the footer for a page or section.
- Navigation `<nav>` contains navigation links.

3. Site map



III. WEBSITE STYLE

1. Presentation of the website

1.1. Layout

In recent years, the usage of rounded borders has become increasingly popular. Our website used this style of design to create a softer, more welcoming look and feel for the website. The smooth hover effect is also applied to make the website more aesthetic and interactive for the users..

1.2. Colour palette

Another commonly used design feature in many websites is the clean color scheme, which often uses a simple color palette, frequently with white or light backgrounds, and is supported by strong and lively colors for accent elements. This creates a sleek and professional look that is both visually appealing and easy to navigate. The consistency of colour on every page helps create a consistent brand image making the website more interesting and engaging as well as improving the website's usability by providing clear visual cues and guiding users through the website's content.

Our website colour scheme:



1.3. Font style

As sans serif fonts are often easier to read on screens than serif fonts, we mainly use them on all pages. The display font is also used for a modern,

stylish, and unique style. The typefaces used on the website are listed below:

- Playfair Display (serif): used for some headings only.
- Rubik (sans-serif): used for almost all content of the website.

2. CSS markup utilisation

The CSS code for the website is contained within a single file named "style.css." To simplify the development and modification process, this file was broken down into smaller segments separated by comment lines.

To prevent repetitiveness and make it easier to style the website, various classes and IDs were used together to modify elements of the same type, making the user interface looks more consistent.

For standard CSS markups, the box model, various layout markups, typography attributes, color markups, and media queries for responsive design are utilised.

For more enhancement, some others CSS markups are applied such as the @keyframe rule, CSS grid, CSS animations and CSS transitions. CSS Grid is used to create complex and responsive/fluid layouts on the home page, while CSS Animations and CSS Transitions is for adding dynamic and interactive effects to a website (enquire and about page).

3. Website user interface

Home page:

The screenshot shows the homepage of the TCAMV website. At the top, there is a navigation bar with links for Home, Product, Enquire, About, and Enhancements. A search icon and a user profile icon are also present. Below the navigation, a large banner features a woman smiling and the text "Start your learning journey". It encourages users to learn anything from a wide selection of courses in three trending university majors: Business, Media & Communication, and Computer Science. There are buttons for "View all courses" and "About TCAMV".

The main content area has a blue background with white clouds. It displays "Course types" with three categories: Computer Science (laptop icon), Business (handshake icon), and Media & Communication (globe icon). Below this, there is a section titled "Featured courses" with eight course cards arranged in two rows of four. Each card includes a thumbnail image, the course title, a brief description, the number of lessons, the duration, the instructor's name, and a "View course" button.

At the bottom of the main content area, there is a "Show me more" button. The footer section has a dark background with a large "ALL NEW COURSES 50% OFF" banner featuring icons for Computer Science, Business, and Media & Communication. Below this, there is a "About TCAMV" section with a brief description and a "Learn more" button. The footer also includes a "What Our Clients Say" section with three testimonial cards. Each card features a client's profile picture, name, and title, followed by a short testimonial. The footer navigation includes links for Company (Home, Product, Enquiry, About, Enhancements), Get Help (Our Services, Privacy Policy, FAQ), Online Courses (Development, Business, IT & Software, Design), and Follow Us (links to social media platforms like LinkedIn, Facebook, and YouTube).

Product page:

The screenshot displays the Swinburne University of Technology website's product page. At the top, there is a navigation bar with links for Home, Product, Enquire, About, Enhancements, and a search bar. A promotional box on the right encourages users to "Sign up now!" and get 25% off.

The main content area is titled "COURSES" and features a grid of nine course cards against a blue sky and white clouds background. Each card includes a thumbnail image, the course title, a price, a brief description, the number of lessons and hours, the level, and the instructor's name with a profile picture. An "Add to cart" button is located at the bottom of each card.

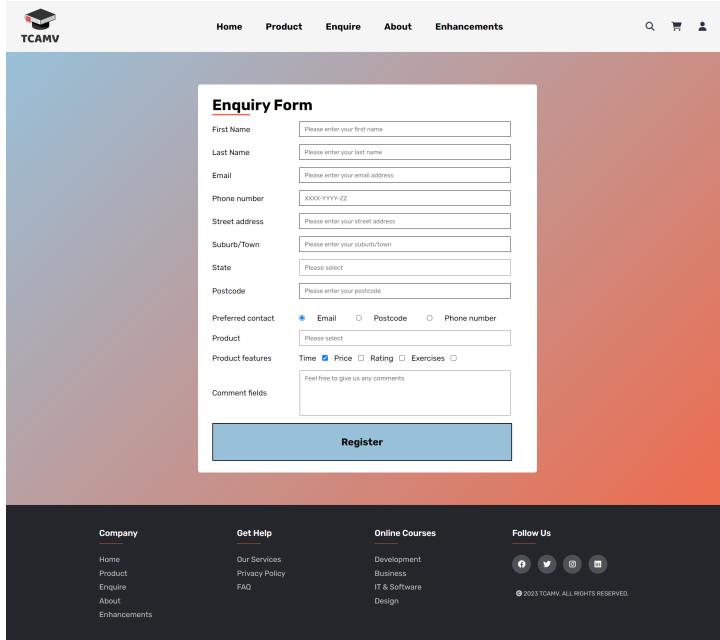
- Cinematography Basics: Filmmaking Style** (\$100) - 20 lessons (40 hours) | Level: Intermediate | Instructor: Riley Mason
- Public Relations Project and Campaign Planning** (\$100) - 10 lessons (48 hours) | Level: Intermediate | Instructor: Samir Hancock
- Principles Of Advertising** (\$100) - 10 lessons (48 hours) | Level: Intermediate | Instructor: Jenson Harrel
- Introduction to Programming** (\$80) - 6 lessons (43.5 hours) | Level: Beginner | Instructor: Roger Lara
- Networking Fundamentals** (\$100) - 8 lessons (50 hours) | Level: Beginner | Instructor: Amina Nixon
- Fundamentals of Data Visualisation** (\$100) - 10 lessons (48 hours) | Level: Intermediate | Instructor: Sean Liu
- Developing Teamwork Skills** (\$80) - 5 lessons (29 hours) | Level: Beginner | Instructor: Savannah Haynes
- The Art of Public Speaking** (\$100) - 8 lessons (35.5 hours) | Level: Intermediate | Instructor: Stuart Pittman
- Global Logistics and Supply Chain Management** (\$100) - 12 lessons (35.5 hours) | Level: Intermediate | Instructor: Hugh Riddle

Below the courses, there is a section titled "Don't know which course to choose?" followed by a "Book a consultation now!" button. A booking calendar table is provided for scheduling consultations.

Day/Period	8.00-9.30	9.30-11.00	11.00-12.00	12.00-13.00	13.00-14.00	14.00-15.00	15.00-16.00
Monday							
Tuesday							
Wednesday							
Thursday							
Friday							
Saturday							

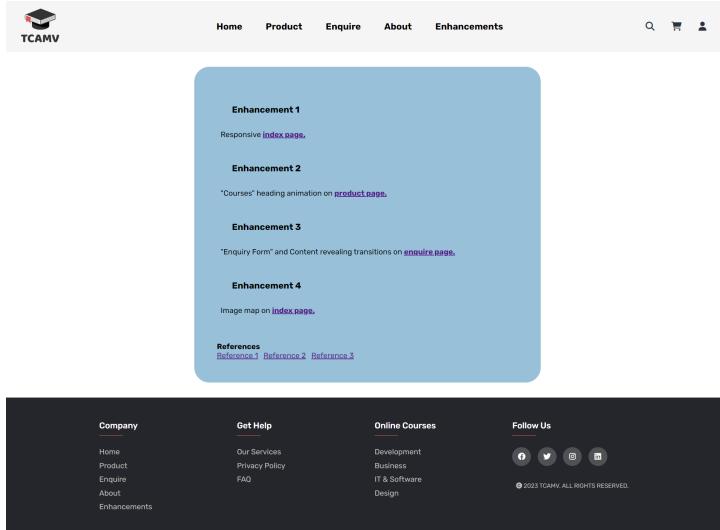
At the bottom, there are two questions with checkboxes: "How do you want to take the entry test? Quizzes Assessments Paper" and "Do you want to join our Discussion forums now? Yes No". The footer contains links for Company (Home, Product, Enquire, About, Enhancements), Get Help (Our Services, Privacy Policy, FAQ), Online Courses (Development, Business, IT & Software, Design), and Follow Us (social media icons). A copyright notice states "© 2023 TCAMV. ALL RIGHTS RESERVED."

Enquiry page:



The screenshot shows a web page titled "Enquiry Form". At the top, there is a navigation bar with links for Home, Product, Enquiry, About, Enhancements, and a search icon. Below the navigation is a large form field containing various input fields for personal information like First Name, Last Name, Email, Phone number, Street address, Suburb/Town, State, Postcode, Preferred contact (Email selected), Product, Product features (Time selected), and a Comment fields section. A "Register" button is at the bottom of the form.

Enhancement page:



The screenshot shows a web page titled "Enhancement 1" under the "Enhancements" category. It lists four enhancements: 1. Responsive index page, 2. Courses' heading animation on product page, 3. "Enquiry Form" and Content revealing transitions on enquiry page, and 4. Image map on index page. At the bottom, there is a "References" section with links to Reference 1, Reference 2, and Reference 3. The page has a similar navigation bar and footer as the Enquiry page.

About page:

The screenshot shows the 'About' section of the Swinburne University of Technology website. It displays five student profiles in a vertical stack, each consisting of a colored box (blue, yellow, orange, green, pink) containing the student's name, ID, degree, and email, followed by a circular profile picture.

Time	Day	Monday	Tuesday	Wednesday	Thursday	Friday
8.00 - 12.00		/	TME10006 - Network & Switching	COS10022 - Data Sciences	/	/
9.00 - 12.00		/	/	/	VVVI - Viviseum	/
13.00 - 17.00		/	TME10006 - Network & Switching	COS10026 - Inquiry Project	COS10022 - Data Sciences	/

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Swinburne Timetable

Company
Home
Product
Enquire
About
Enhancements

Get Help
Our Services
Privacy Policy
FAQ

Online Courses
Development
Business
IT & Software
Design

Follow Us

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IV. KEY FEATURES & ENHANCEMENTS

1. Key features

- Design: The website has a simple and modern style.
- Navigation bar: Users can conveniently navigate to all website pages using the navigation bar located at the top of each page.
- Course catalog: Information about the courses offered is included in the course catalog, with brief information available on the home page and more detailed information on the product page.
- Enquiry: An enquiry form is available on the enquire page, allowing users to ask questions directly to the TCAMV team.

2. Enhancements

The key features and enhancements of our website are transitions, animations, an image map and a responsive home page.

A static website can be transformed into a more dynamic and engaging platform by incorporating animation, transition, image maps, and a responsive home page. These enhancements can improve the user experience and encourage users to spend more time on the website.

2.1. Transitions

Adding transition effects to a website can improve its overall appearance and create a more engaging user experience.

2.1.1. “Enquiry Form” text transition

When the enquire page is loaded, the “Enquiry Form” moves from the right to the left using the @keyframe rule.

Enquiry Form

Enquiry Form

CSS code:

```
/*---Enhancement---*/
@keyframes slideinright {
    from {
        transform: translateX(40%);
    }

    to {
        transform: translateX(0);
    }
}

.vu14 {
    animation: slideinright 3s ease-in;
}
/*---End of Enhancement---*/
```

2.1.2. Content revealing transition

When the enquire page is loaded, each line of the form is revealed using the @keyframes rule.

For example:

First	<input type="text"/>	Please enter your first name
Last	<input type="text"/>	Please enter your last name
First Name	<input type="text"/>	Please enter your first name
Last Name	<input type="text"/>	Please enter your last name

CSS code:

```
/*---Enhancement---*/
.vu15 label::before,
.vu18::before,
.vu20::before,
.vu21 label::before {
    background: linear-gradient(135deg, #3d5a80, #ee6c4d);
}
animation: typewriter 3s ease forwards;
}

@keyframes typewriter {
    to {
        left: 100%;
    }
}
/*---End of Enhancement---/
```

2.2. Animations

Similar to transitions, animation effect helps improve the website's overall appearance and creates a more engaging user experience. Animation can be used to highlight important information or to draw attention to the “Courses” heading on the product page.

The “Courses” heading of the product page is animated with the @keyframes rule.

```
/*---Enhancement---*/
.TA_title {
    text-transform: uppercase;
    background-image: linear-gradient(-225deg,
        #231557 0%,
        #dffbfcc 29%,
        #ee6b4d 67%,
        #ffff800 100%);
    background-size: auto auto;
    background-clip: border-box;
    background-size: 200% auto;
    background-clip: text;
    /* text-fill-color: transparent; */
    -webkit-background-clip: text;
    -webkit-text-fill-color: transparent;
    animation: textclip 2s linear infinite;
}

@keyframes textclip {
    to {
        background-position: 200% center;
    }
}
/*---End of Enhancement---*/
```

2.3. Image map

An image map is used to create interactive elements on a website. By mapping different areas of an image, users can click on specific parts of the image to access different pages or information. This is used because this website is a static one with visual elements and graphics that are central to its content. The image map is applied on the course discount banner on the home page, with clickable areas on “View all” parts that link to the product page.

```
<!-- Discount/Image map Section -->
<!-- Enhancement -->

<div id="saleoff">
    

    <map name="imagemap">
        <area target="_self" alt="View all new discount
        Computer Science courses" href="product.html"
        coords="498,163,576,189" shape="rect">
        <area target="_self" alt="View all new discount
        Business courses" href="product.html"
        coords="674,230,752,254" shape="rect">
        <area target="_self" alt="View all new discount Media
        courses" href="product.html" coords="851,164,928,189"
        shape="rect">
    </map>
</div>
```

2.4. Responsive home page (except for the navigation bar, image map and footer).

A home page that can adapt to different screen sizes and devices. This feature/enhancement can optimise for different screen sizes, so users can easily access and navigate the home page from their desktops, tablets, or smartphones.

V. MY CONTRIBUTION

My contributions to the website are: home page user interface design and coding (hero, course types, featured courses section), image map enhancement (together with another team member), code merging and checking to ensure the website meets all the requirements.

- Home Page: My tasks included designing the layout, choosing the color scheme and coding the top half of the page. I worked closely with one other

team member to ensure that the design of the home page was cohesive and visually appealing

- Image Map Enhancement: This involved designing a banner and creating a map of different areas of an image, which users could click on to access different pages or information. I collaborated with one other team member to ensure that the image map was user-friendly and easy to navigate.
- Code Merging and checking: I put code together and checked the code that was written by other team members. This involved reviewing the code to ensure that it met the requirements for the website. I provided feedback and suggestions to other team members to help them edit and improve their code.

VI. CONCLUSION

1. Summary

In conclusion, the website is a great option for anybody looking to continue their education or develop their skills online because of its user-friendly design, simple navigation, and extensive course contents. Personally, I also developed better technical abilities, design concepts, problem-solving, collaboration, and project management skills as a result of working with my team to build this website.

2. Recommendations for future improvements

As this is an e-learning platform that supports everyone, my recommendation for improvements in the future is that it should include a responsive layout for all pages and more interactive features, such as assessment and feedback, discussion forum and live webinar or at least some hyperlinks to those platforms. It can be improved by using some more frameworks and JavaScript.