

# **ITEC240 Web Page Design: Individual Project Report**

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# 1.0 Organisation Background

The website, **Pixel Forge**, is designed as a comprehensive, fictional online hub for aspiring and experienced **game developers**. It aims to provide an accessible community and resource library covering all aspects of game creation tools, art, design principles, and engine usage.

## Basic Services Offered:

- **Educational Content:** Information on the "Learning Game Dev" page, covering basic topics.
  - **Engine Comparisons:** Detailed insights on popular game development engines in the "Game Engines" page.
  - **Resource Curation:** Curated lists of external tools, asset stores, and helpful communities on the "GD Resources" page.
  - **Community Engagement:** Option for leaving feedback about the site and getting in touch.
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# 2.0 Level 1: Planning and Design.

## 2.1 Project Purpose and Audience

**Purpose:** Build a functional, visually appealing website that serves both general visitors and registered users, acting as a knowledge base and community hub for game development.

**Target Audience:** Novice and intermediate game developers, hobbyists and students interested in learning new engines or discovering curated resources.

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## 2.2 Website Structure and Navigation

The website was structured for intuitive navigation and full coverage of its topic, with eight pages.

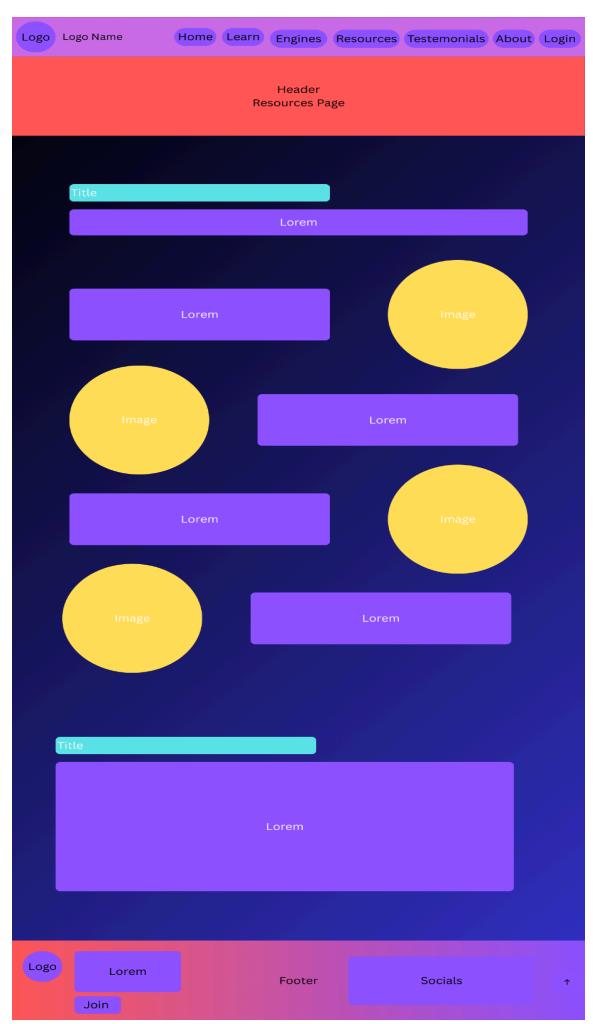
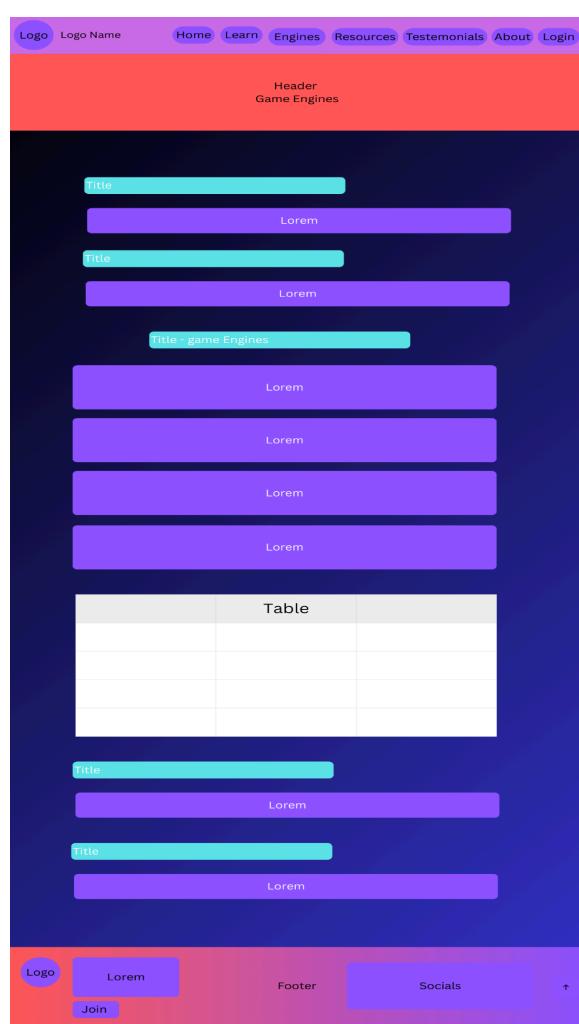
Page Name	File Name	Classification	Description
<b>Home</b>	<code>index.html</code>	Required	Introduction to Pixel Forge and the site's purpose/rules.
<b>About/Contact</b>	<code>About.html</code>	Required	Information on the project/organization and contact details.
<b>Game Engines</b>	<code>GameEngines.html</code>	Call to Action	Provides detailed information and comparisons of various game engines.
<b>GD Resources</b>	<code>GD_Resources.html</code>	Call to Action	Curates external links, tools, and learning materials.
<b>Learn Game Dev</b>	<code>LearnGD.html</code>	Supporting Content	Educational information covering game development basic topics.
<b>Register/Login</b>	<code>Login.html</code>	Required	Complete forms for user registration and login.
<b>Testimonials</b>	<code>Testimonials.html</code>	Required	User feedback displayed using a CSS Grid layout.
<b>Thank You</b>	<code>thankyouPage.html</code>	Acknowledgment	Dedicated page for form submission confirmation.

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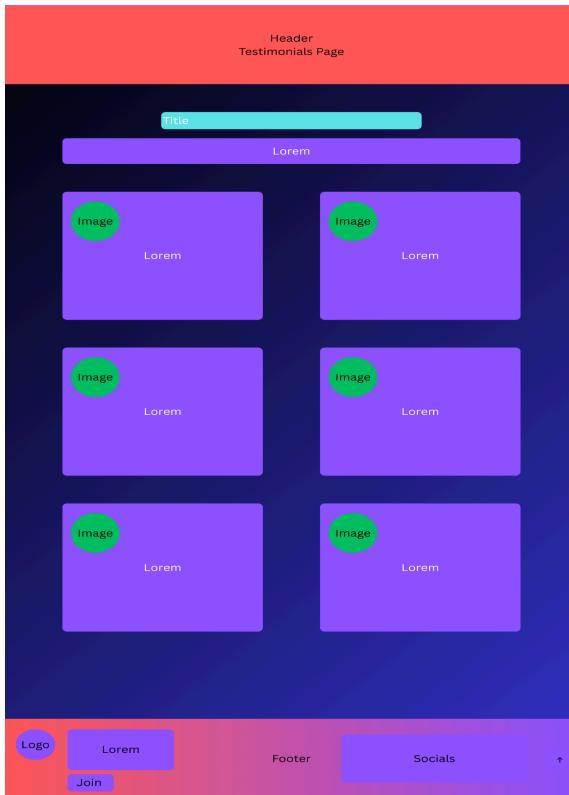
## 2.3 Wireframe Document

The wireframe demonstrates the layout of each page. I chose canva to create my wireframe due to its smooth, efficient mechanics and clean GUI. For each page I built a rough layout of what I'd like it to look like using simple shapes.

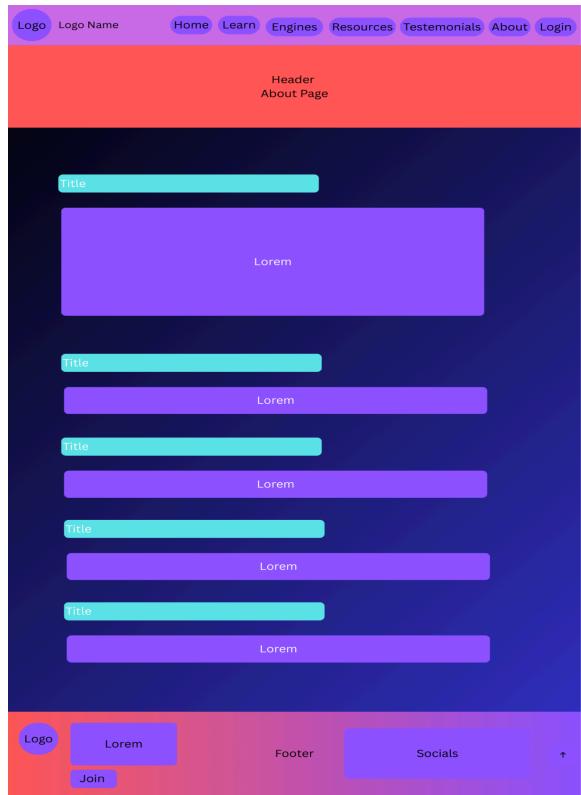
<h2>Homepage</h2> <p>This wireframe shows the layout of the homepage. It features a header with a logo and navigation links. Below the header is a red banner labeled "Header Homepage". The main content area contains three columns of cards, each with a title, a large purple "Lorem" placeholder, and a yellow circular "Image". At the bottom is a footer with a logo, social media links, and a "Join" button.</p>	<h2>Learning Page</h2> <p>This wireframe shows the layout of the learning page. It features a header with a logo and navigation links. Below the header is a red banner labeled "Header learning Page". The main content area contains four columns of cards, each with a title, a large purple "Lorem" placeholder, and a yellow circular "Image". At the bottom is a footer with a logo, social media links, and a "Join" button.</p>
<h2>Game Engine Page</h2>	<h2>Resources Page</h2>



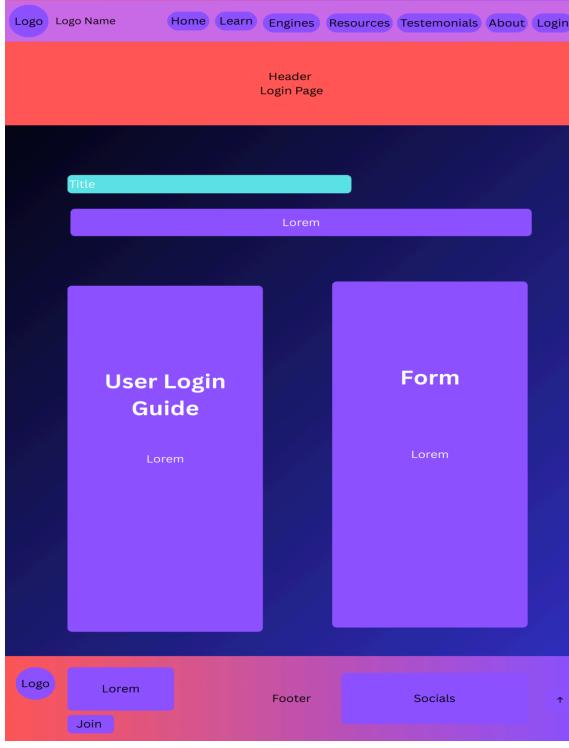
## Testimonials Page



## About Page



## Login Page



## 2.4 Design Choices (Color Palette and Typography)

Deliberate choices in color schemes and typography were made to establish a consistent, professional visual hierarchy.

Element	Description/Code	Justification
<b>Primary Color</b>	Dark Blue: <code>#030b1b</code>	Professional, tech focused appearance for background, headers, and footer.
<b>Secondary Color</b>	Purple: <code>#763ddb</code>	High contrast accents for navigation links, hover effects, highlights, CTAs etc.
<b>tertiary Color</b>	Bright tomato orange: <code>#FF6347</code>	High contrast accents title names, highlights ,etc .
<b>Text Color</b>	White: <code>#FFFFFF</code>	Ensures readability against dark backgrounds.
<b>Headings Font</b>	'Montserrat' (Sans serif)	Modern, clean, and strong for titles.
<b>Body Text etc Font</b>	'Open Sans' (Sans serif)	Readable and versatile for extended content.

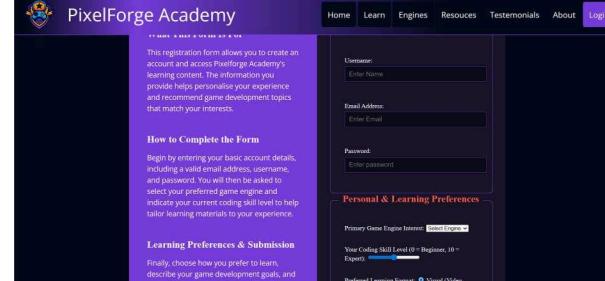
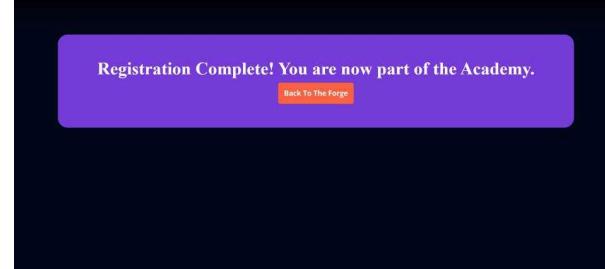
## **3.0 Levels 2 and 3: Implementation and Deployment**

The website was implemented using **HTML5** and **CSS3**, with a single external CSS file (`pixelForgeWebsiteStyling.css`).

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### **3.1 Website Screenshots and Functionality**

The following features were implemented successfully:

Functionality	Description	Screenshot
<b>Home Page</b>	<p>Semantic tags (<code>&lt;header&gt;</code>, <code>&lt;main&gt;</code>, <code>&lt;section&gt;</code>) are used.</p> <p>Presents welcome message and overview of Pixel Forge. The navigation bar is visible on all pages.</p>	
<b>Registration/Login Forms</b>	<p>Complete Registration form using <code>text</code>, <code>email</code>, <code>password</code>, <code>tel</code>, <code>checkbox</code>, <code>radio</code>. <code>&lt;fieldset&gt;</code> and <code>&lt;legend&gt;</code> separate Personal and Basic information.</p>	
<b>Form Acknowledgment</b>	<p>Upon submission, users are redirected to <code>thankyouPage.html</code>, confirming data capture.</p>	
<b>Testimonials Page</b>	<p>Uses CSS Grid layout. Each entry shows username, feedback, and optional star rating (☆☆☆☆☆).</p>	

<b>Navigation Bar</b>	Consistent <code>&lt;ul&gt;</code> based navigation with advanced CSS for smooth sitewide access.	
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### 3.2 Github Website link

[https://0kamibane.github.io/00075645\\_HackeemSoleyn\\_Website/](https://0kamibane.github.io/00075645_HackeemSoleyn_Website/)

# 4.0 Appendices

## Appendix 1: Screenshots of Validation

The http files and Css file were validated successfully

### Index.html

Showing results for index.html (checked with vnu 25.12.12)

Checker Input

Show  source  outline  image report

Check by   No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Document checking completed. No errors or warnings to show.

Used the HTML parser  
Total execution time 7 milliseconds.

### About.html

Showing results for About.html (checked with vnu 25.12.12)

Checker Input

Show  source  outline  image report

Check by   No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Document checking completed. No errors or warnings to show.

Used the HTML parser  
Total execution time 5 milliseconds.

### thankyouPage.html

Showing results for thankyouPage.html (checked with vnu 25.12.12)

Checker Input

Show  source  outline  image report

Check by   No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Document checking completed. No errors or warnings to show.

Used the HTML parser  
Total execution time 3 milliseconds.

### GameRngines.html

Showing results for GameEngines.html (checked with vnu 25.12.12)

Checker Input

Show  source  outline  image report

Check by   No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Document checking completed. No errors or warnings to show.

Used the HTML parser  
Total execution time 7 milliseconds.

## GD\_Resources.html

Showing results for GD\_Resources.html (checked with vnu 25.12.12)

Checker Input

Show  source  outline  image report  Options...

Check by  file upload  Choose File No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Document checking completed. No errors or warnings to show.

Used the HTML parser.

Total execution time 9 milliseconds

## LearnGD.html

Showing results for LearnGD.html (checked with vnu 25.12.12)

Checker Input

Show  source  outline  image report  Options...

Check by  file upload  Choose File No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Document checking completed. No errors or warnings to show.

Used the HTML parser.

Total execution time 6 milliseconds

## Login.html

Showing results for Login.html (checked with vnu 25.12.12)

Checker Input

Show  source  outline  image report  Options...

Check by  file upload  Choose File No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Document checking completed. No errors or warnings to show.

Used the HTML parser.

Total execution time 8 milliseconds

## Testimonials.html

Showing results for Testimonials.html (checked with vnu 25.12.12)

Checker Input

Show  source  outline  image report  Options...

Check by  file upload  Choose File No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Document checking completed. No errors or warnings to show.

Used the HTML parser.

Total execution time 5 milliseconds

## **pixelForgeWebsiteStyling.css**

W3C CSS Validator results for pixelForgeWebsiteStyling.css (CSS level 3 + SVG)

**Congratulations! No Error Found.**

This document validates as [CSS level 3 + SVG](#) !

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## **Appendix 2: Work Schedule and Work Distribution**

All work was completed individually.

<b>Phase</b>	<b>Estimated Time</b>
Planning & Wireframe	6 hours
Design & Styling (CSS)	15 hours
Implementation (HTML & Forms)	15 hours
Validation & Testing	5 hours
Deployment	2 hours
Report Writing Level 4)	3 hours

## **Appendix 3: Bibliography / References**

**Free Image Sources:**

- Pixabay
- FreePik

**Borrowed/Modified Code/Material, info used:**

Slaying The Dragon. (2022, November 14). *Learn Flexbox CSS in 8 minutes* [Video].

YouTube. <https://www.youtube.com/watch?v=phWxA89Dy94>

*W3Schools.com.* (n.d.). [https://www.w3schools.com/css/css3\\_flexbox.asp](https://www.w3schools.com/css/css3_flexbox.asp)

*W3Schools.com.* (n.d.-b). [https://www.w3schools.com/html/html\\_forms.asp](https://www.w3schools.com/html/html_forms.asp)

*W3Schools.com.* (n.d.-c). [https://www.w3schools.com/tags/tag\\_fieldset.asp](https://www.w3schools.com/tags/tag_fieldset.asp)