

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.


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

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.

<div><h1>Homepage</h1></div>	<div><h1>Learning Page</h1></div>
<div><h1>Game Engine Page</h1></div>	<div><h1>Resources Page</h1></div>

Logo

Logo Name

Home

Learn

Engines

Resources

Testimonials

About

Login

Header
Game Engines

Title

Lorem

Title

Lorem

Title - game Engines

Lorem

Lorem

Lorem

Lorem

	Table	

Title

Lorem

Title

Lorem

Logo

Lorem

Join

Footer

Socials

↑

Logo

Logo Name

Home

Learn

Engines

Resources

Testimonials

About

Login

Header
Resources Page

Title

Lorem

Lorem

Image

Image

Lorem

Image

Lorem

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Lorem

Title

Lorem

Logo

Lorem

Join

Footer

Socials

↑

Testimonials Page

Header
Testimonials Page

Title

Lorem

Image

Lorem

Image

Lorem

Image

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Image

Lorem

Image

Lorem

Image

Lorem

Logo

Join

Footer

Socials

About Page

Logo

Logo Name

Home

Learn

Engines

Resources

Testimonials

About

Login

Header
About Page

Title

Lorem

Title

Lorem

Title

Lorem

Title

Lorem

Title

Lorem

Title

Lorem

Logo

Join

Footer

Socials

LoginPage

Logo

Logo Name

Home

Learn

Engines

Resources

Testimonials

About

Login

Header
Login Page

Title

Lorem

User Login Guide

Lorem

Form

Lorem

Logo

Join

Footer

Socials

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

3.1 Website Screenshots and Functionality

The following features were implemented successfully:

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

Navigation Bar	Consistent <code></code> based navigation with advanced CSS for smooth sitewide access.	 The screenshot shows the top of a website for 'PixelForge Academy'. It features a dark purple navigation bar with a logo on the left and links for 'Home', 'Learn', 'Engines', 'Resources', 'Testimonials', 'About', and 'Login' on the right. Below the navigation bar is a hero section with a background image of a group of people smiling. The text 'OUR MISSION AND VISION' is overlaid on the right side of the hero image.
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3.2 Github Website link

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

Options...

Check by

file upload ▼

Choose File

 No file chosen

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

Check

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

Options...

Check by

file upload ▼

Choose File

 No file chosen

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

Check

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

Options...

Check by

file upload ▼

Choose File

 No file chosen

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

Check

Document checking completed. No errors or warnings to show.

Used the HTML parser.
Total execution time 3 milliseconds.

GameEngines.html

Showing results for GameEngines.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.

Check

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

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

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

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

Testemonials.html

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

Checker Input

Show ☐ source ☐ outline ☐ image report

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](#) !

Appendix 2: Work Schedule and Work Distribution

All work was completed individually.

Phase	Estimated Time
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

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