**Software Requirements and Design (SRD)**

Project Title: PixelPals  
Module: CS2TP Team Project  
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*(Right-click → Update Field → Update Entire Table once complete)*

# 1. Team Information

## 1.1 Team Members and Roles

*List each team member, their role, and main responsibility.*

## 1.2 Belbin Roles

*Identify each member’s Belbin role and how it supports the team.*

## 1.3 Team Logo and Identity

*Insert logo image here and describe colour scheme / brand identity.*

# 2. Project Description

## 2.1 Project Overview

*Briefly describe what your project is about, its purpose, and context.*

## 2.2 Vision and Objectives

*Write a short statement outlining your overall goal and measurable objectives.*

## 2.3 Target Audience

*Describe who your product is for (e.g. children, parents, accessible users).*

## 2.4 Technologies and Tools

*List programming languages, frameworks, and tools used.*

# 3. Functional Requirements

## 3.1 Introduction

*Explain what functional requirements are and how they apply to your project.*

## 3.2 Requirement List (FR1–FR5)

*List and describe each functional requirement (FR1, FR2, etc.).*

# 4. Non-Functional Requirements

## 4.1 Performance

*State any speed, responsiveness, or load time requirements.*

## 4.2 Security

*Explain how you’ll protect user data and ensure secure access.*

## 4.3 Usability and Accessibility

*Describe how your design accommodates different users and devices.*

## 4.4 Maintainability

*Discuss coding practices, documentation, and scalability.*

# 5. Use Cases and Design

## 5.1 Use Case Diagram (optional)

*Insert your use case diagram or describe it.*

## 5.2 Use Cases – Products

*Describe product browsing, searching, and filtering features.*

## 5.3 Use Cases – Login & Basket

*Describe login, account, and basket management features.*

## 5.4 Interface Wireframes

*Insert screenshots or sketches of your interface design.*

## 5.5 Database Design (ERD)

*Insert your ERD diagram and explain relationships between tables.*

## 5.6 Flow Diagrams (Admin/User Journey)

*Insert admin or user journey flow diagram.*

# 6. Project Management

## 6.1 Development Methodology

*Explain the methodology used (Agile/Scrum) and why it was chosen.*

## 6.2 Project Planning Tools (Trello)

*Include link/screenshot of your Trello board and describe how it was used.*

## 6.3 Communication and Collaboration

*Describe how your team communicated (e.g., Discord, in-person meetings).*

## 6.4 Version Control and File Management (GitHub)

*Include your GitHub repository link and discuss how you managed versions.*

## 6.5 Design and Technical Overview

*Summarise key design or technical decisions.*

# Appendices

## Appendix A – Entity Relationship Diagram

*Insert ERD diagram here.*

## Appendix B – Admin Flow Diagram

*Insert admin flow diagram here.*

## Appendix C – Wireframes and Brand Design

*Insert wireframe images and brand colours/fonts here.*

## Appendix D – User Journey Diagram

*Insert user journey diagram here.*

## Appendix E – Product Grid (optional)

*Insert product grid design or screenshots here.*

## 5.7 Site Map

This section presents the PixelPals website site map, illustrating the complete navigation structure. It highlights how users move between pages such as Home, Products, Basket, and Account. Each branch represents a major user flow or feature area.

Home

├── Products

│ ├── Categories

│ └── Product Detail

├── Basket

├── Account

│ ├── Login / Register

│ └── Profile & Orders

└── Admin (protected area)

This hierarchy demonstrates how users will navigate through the application. The final visual site map diagram is included in Appendix F.

## Appendix F – Site Map

Insert your final site map diagram (image or exported screenshot from Figma or Draw.io). Reference this appendix in Section 5.7.

## 6.6 Team Section Responsibilities

The following table details which team member is responsible for each SRD section.

|  |  |  |
| --- | --- | --- |
| Section No. | Section Title | Assigned Member(s) |