**Software Requirements and Design (SRD)**

Project Title: PixelPals  
Module: CS2TP Team Project  
Date: 19.10.2025  
Version: Draft 1.0

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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.*