BN002/013/104/120/997 Year 2 Software Engineering and Testing

Assessment 1: Project Proposal

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Declaration

I hereby certify that this material, which I now submit for assessment on the programme of study leading to the award of Ordinary Degree in Computing in the Institute of Technology Blanchardstown, is entirely my own work except where otherwise stated.

Author: _____   Dated: _____

Author: _____   Dated: _____

Author: _____   Dated: _____

Title   Cards going Postal   by   **The Cards Company**

Intro

This project will offer the possibility to create digital postcard designs with custom backgrounds and texts. Once the user is happy with their design, they can share it online with their friends and family, or use the inhouse print service to send it to the desired mailing-list, closing a gap between the world of digital communication and analogue mailing.

Motivation

With the ability to use predefined templates as well as their own images, the customer can get the best out of sharing their own memes or sending their very personal postcards, to family. The easy-to-use-tool will allow anyone to become creative and participate.

- Digital and Analogue

- Intergenerational

- Communicative and Creative

Goals

IN:

- Login and user-management
- Image Modification Tool: Template and text
- Template Database
- User Digital Gallery
- E-Commerce: Cart, Payment, Shipping
- Print and send service

OUT:

- Loyalty system
- Refunding
- Reuse of already committed templates

Client

- Client: Service Host

- User: Customer buying products

- Admin: User and Database management

- Printer: Order-management

The Project
The project definition:

What is the project?

- Image Editor using user uploaded images
- Images can be shared via social media or mailed (for a fee)

What will the end product do?

- Allow users to upload, edit images
- Users will access their creations via their profile
- Users will be able to digitally share their creations or send them postal

What are the main components of the software system?

- Landing Page/Login
- Image Editor GUI
- Image upload mechanism
- User Profile
- Cart/Checkout
- Saved Images Page
- Payment System
- Persistent Storage Database
- Database-Server Connection

How will it be used?

- User arrives on landing page
- User registers on the system
- User Can then begin uploading and editing images or use a premade template
- User can then add the edited image or template to their cart and checkout
- The print service will access the orders and process them.
- The printers will send the customers order via mail.

Project Value and Benefits

The children moved away, founded their own families, maybe one get's married soon. This software is aimed towards everyone who has something to say in an artistic way, but with their target group split between online channels and the classic postal way.

Technical Requirements

This website will be built using:

Frontend

- HTML, CSS & JavaScript – All for structure, styling and to enhance useability

- PHP – To compartmentalize, collect and push/pull data from & to the database in order to save and display on the webpage

Backend:

- Laragon – As the web server stack

- SQL – Use as the DBL to display saved images, image editor contents, confirm user details on login and save user images/details.