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

**Assessment 1: Project Proposal**

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**Submission date**

**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.

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# Title Cards going postal

# 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.

# **Goals**

* Connect the user not only on the digital level, but postal.
* Honour tradition of greeting-cards.
* Connect age group ~30+ with everyone above.

# **Client**

~30years **+**

* Moved to a different country for a job, wants to connect with family.
* Found the love of their lives and wants to invite for marriage ceremony.
* Kids on the way. So let everyone know.
* Sharing a holiday with your friends but can’t find the perfect card.

# **The Project**

The project definition:

**What is the project?**

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

**What will the end product do?**

* Allow users to upload, edit and share images or post (for a small fee)

**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

# 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.