

**DEAKIN University**

**Creative Geelong Co-Op platform**

**Team 12A**

Group Members:

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3. Christiane Smith
4. Muhammad Qureshi
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Project Vision

The client is looking for a website to create a platform for the local creative community of Geelong to advertise and sell their work. There isn't a solution for such a specialized shop in Geelong area. This solution that will be created will allow clients to post their work on to a personal shop page and a public shop, where users can browse or search for specific items they are looking for. The users can purchase creative items from clients and then during checkout part of profits will be given to creative Geelong. This website will help and encourage the up and coming creative minds of Geelong to create and sell their art, by giving them a platform to develop a name for themselves with an easy and convenient place to sell. The Ultimate goal for this project is to create a functional website for clients of creative Geelong so they have a platform to advertise their work. This will increase client base, increase profit for creative Geelong and their clients, also create a community support.

Context

Our website will provide clients a space for them to list and sell their products online. The users and clients will have separate logins which leads to different controls. Will allow users to search and browse through client’s products. Adding products to a cart where they can purchase more than one product at a time from different sellers. The website will also keep users up to date with all information from creative Geelong.   
There are similar solutions already such as eBay or gumtree these solutions don’t specialize is creative products to sell on their websites they have great search functions and excellent way in promoting sellers which we really want to push on to our app but lacks that specialization we are after.

There is also Esty which is a place for small businesses or home creators to make and sell their products, I find the website is very messy and there is also a lot of bad products to be bought, I find the specialization is great but also doesn’t allow for such a specific region of where the products are from.  
The users that will be using this website will be sellers from a local area in Victoria and all will have a similar goal of selling products they have created, the other type of user that will be using the solution will be buyers who are with looking for a specific type of art or browsing and like to support local creative minds.

Value Proposition

The core business value propositions of this project are:

* We will differ widely across projects.
* Our website designed a more attractive headline than previous one.
* Our website has the optimized search engine for customers
* Our website provides the filter to clients for helping them to select products
* After user typed their email on our website, we can collect these email address then we will send promotions to their email.
* We have the online survey to help sponsor to improve their quality of service and our quality of service.
* User can save time when they go shop online with our website. Because our Website does not need to users to sign up their account, they can enjoy the online shopping without complicated process of sign up
* They will lose their customer base if their solution is not clear, simple to use and attractive solution will bring in more clients and customers as they are introducing an online platform for clients to book and sell their product. This in turn will increase profits to Creative Geelong.

Core Idea / User stories / Requirements

As a Small Business owner, I would like to have an online platform, so I can advertise and increase sale margins.  
I would be able to access the website securely such as I will be logging in, accessing items and securely accessing credit card details. I can also go through my Items and change their details as well as quantity.

As a Buyer, I would like to create account securely. I would like to login securely. I would like to go through items as well as its details and quantity. I would like to add Credit Cards/ PayPal account securely for buying items. I would like to access shopping cart for checkout and add items in it.

As a Young Adult, I would like to be encouraged and easily make money off being creative. I would like a platform where I can sell my products without of the hassle by going around on the street trying to sell them. I want a space where I can customize and give my personal touch.

The core idea is to create a website, which will help buyers, and sellers to access a platform where they can lookup items and sell them. Idea is also to make easy user interface of website.

This website will give chance to sellers to sell their items and make money. The Buyers can get their wanted items from the website.

Product Backlog

Home

* As a user I might see the products Deals
* As a user I want to see create account option
* As a user I want to see login option
* As a user I want to see search bar
* As a user I want to see things that I interested at the front page
* As a seller I want to have a different homepage with users

News

* As a user I want news about the items which are on sale
* As a user I want news about items which are newly listed
* As a user I might want to see promotion deals sent to my email
* As a seller I want to know the latest news and policy from the platform

Login Page/ Product Page/ Profile Page (include seller and user)

* As a user I want to ensure my login details are secure
* As a user I would like to be able to access my personal profile
* As a user I would like to login securely
* As a user I want to see my previous purchase record.
* As a user I want to change my personal information after login.
* As a seller I want to add my product to the platform
* As a seller, I want to update the quantity and price of my products at any time.

Shopping Cart

* As a user I want to be able to view items in my shopping cart
* As a user I want to view the quantity of the item

About us

* As a user I want to see details of website like a small summary.
* As a seller I want to see details of website like a small summary.

Contact

* As a user I want a feedback form.
* As a user I want to see the contact information
* As a user I want to view the email address
* As a user I want to refund the item if the item does not match the description
* As a seller I want to see the reviews and comments from buyers
* As a seller I want to know the contact method of the platform

Project Target Outcomes and Timeline

* Create an attractive website that is able to be easily navigated with appropriate information and content viewable in browsers. In addition, it will be a responsive website meaning it can be used on different devices e.g. mobile, tablet etc. (Sprint 2)
* UI design plan, including site map, UX design (wire-frame) (Sprint 1)
* Databases connected to website, which can be queried by search function. (Sprint 3)
* Account Creation and log in using database. Security involves but is not limited to not having the password in plain text, password requirements (at least 8 characters, special characters, capital letters), and where the user’s usernames stored an encrypted version of the password will be kept helping counter intrusion. (Sprint 3)
* Working shopping cart using cookies. Payment purchases can be paid securely via credit card or option to pay cash. (Sprint 4)
* Editable client page/s that will allow client to upload their products on the website.   
  (Sprint 4)

Constraints

Given the limited initial time, we will focus and scope the area of investigation tightly.

**Access to users** - knowing exactly what the user’s needs and wants are that are going to accessing and using the website.

**Contact and availability** - We experienced some limitations surrounding contact and availability. This is because some team members and the client were based in different location. As a result, location to an extent, restrained physical engagement between the whole group and the client.  
  
**Resources** – there are financial restraints while creating this project. As students, we do not have access to certain paid services that big companies have such as data basing hosting, website hosting and paid project management services.

**Technical capabilities of the team** – There is no one in our team who specializes in database development. Although most team members have a basic understanding of the way databases are created, there may be limitations to how well the database can be structured.

Project Execution Plan

### Resources needed:

* **Team, roles, and a brief summary of what each team member will be working on over the project lifespan**

**Dominic Eames** – Product Management/ Database Developer  
Team leader, will be in charge of running weekly meetings assigning weekly tasks for team to complete. Developing and validating databases that are needed in order for the website to function as intended.

**Marial Machut** – Security Analyst/Web Developer

As a security analyst, I will make sure that, any sensitive information (systems and data/database) of this project are encrypted and align to the business standards. I will make sure that, any tool, data, code, etc. that our team will be using on this project is well researched and up-to-date. I will also be doing a general web development and Security sub-tasks with security and web development members.

**Christiane Smith** – Front end Security Developer

As a front-end security developer, my focus is mainly around securing the stored data such as the access/login data, and creating security rules. This will include validating and sanitizing the input and making sure no plain text is in the password text box. Validating and sanitizing the submitted data is vital to avoid SQL injections.

**Muhammad Qureshi** – UI front end web development   
As UI Front End Web Developer, I will be making website UI using HTML and CSS  
coding. The things I will be working on are pages, logo, tables. The pages like: Home, Products, Create Account, Login, Profile. I will be making sure that Back End code works with all the fields.

**Chengzu Dong**-UI design/Business analyst

I will design a website wireframe for our project. Also, I would like to analysis who is our competitor. How our performance of website is better than others. And I will investigate what is user needs and how it will fit into the website for improving the experience of users.

**Tao Ge**- Web Developer

My responsibility is to design and implement the various functions of the website. And use the most appropriate technology to achieve various functions. The goal is to bring the best shopping experience to customers.

**Ziran Chen**- Backend security/Business analyst

For the backend security, I will be responsible for the safety of data storage or communication, the information will be stored cloud based, I will find a way to keep cybercrimes away from the website. In addition, as a business analyst, I will compare different online shopping websites, and find the most suitable model for Creative Geelong.

***Project Management -*** *Scrum Agile, Trello, Slack, Skype, One Drive*

**Website -** Html, JavaScript, CSS, PHP, Dreamweaver and framework(bootstrap), XML, XSL, Microsoft Azure

**Security –** Kali Linux

**Database –** SQL, Microsoft Azure

Project Timeline

***Sprint 1 (weeks 5-8)***

**Aim –** aim of this sprint  
Designing Site Map  
Design UI   
Making UI in Dreamweaver and implementing CSS.  
Adding items into the website e.g. logo, images, and details of items.  
  
**Security: Design security rules**

* Ensure logins are secure: passwords (at least 8 characters, at least 1 special character, one capital letter etc.),
* Validating checking the users input. This is especially necessary with user logins. This will be done by ensuring the data requested of the user trying to use the system, matches the data they have submitted.
* No special characters in text fields that are submitted to the database.
* Sanitize all input
* No plain text in password
* Make sure the information that obtain from cookie is safe
* Will conduct a simulated security testing to find out vulnerabilities before the final product launching and handover.

**Sprint backlog -** Details of the user stories/items sprints

**Specific focus** areas are:

* Technologies to use

HTML, PHP, JavaScript, CSS, Photoshop.

* User stories details.

**Target Outcomes** – what the sponsor will be getting at the end of the sprint  
the sponsor will receive a copy of all UI documentation and created prototype of UI Design. List of all planned Databases and the information they will hold. This will also include security rules listing the security requirements.

**Usage Scenario** – How the user would be able to use our deliverables/outcomes.  
The users will be able to advertise their item on the platform.

The users will have a secured system to do login, transactions and different actions confidently

Our client will be making little profit on the platform usage

The local users will be promoting their art skills

***Sprint 2 (Weeks 8-12)***

**Aim –** Aim of this sprint  
Designing and implementing working shopping cart.

Creating Databases (seller information, client information, order)

* The database holds the seller information (Name, ID, phone number, email address, location, home address ，product ，Product quantity ，Product price )
* The database holds the client information (Name, ID， phone number, email address, location， address )
* The database holds the order information （Seller name ，seller ID ，client name, client ID. order number ，Payment ，Address ）

Pseudocode for login, account creation and payment. (includes sellers and buyers)

**Test**

* website Test
* functional Test
* database Test

**Specific focus** areas are:

* Technologies to use

PHP， XML XSL，SQL ，CSS. JavaScript

* User stories details.

**Target Outcomes** – what the sponsor will be get at the end of the sprint

The sponsor will get a demo of the new website, after that the sponsor may know what the product is they really want, then the sponsor will decide the next move.

**Usage Scenario** – How the user would be able to use your deliverables/outcomes

Project Management

The following will be performed to help manage the project:

1. A weekly 30-minute standup meeting each Wednesday at 5pm. Within these meetings the team presented: what was done during the week, what will be done next week and discuss any current thoughts/problems.
2. Weekly meeting with supervisor/client  
   The weekly meeting with the supervisors is on Fridays at 3pm over skype for business.
3. Demo of Sprint outcomes on Wednesday 5pm for both sprints.
4. Handover documentation, end of week 12 - 25/5/2018

Artifact Management

The following approach will be taken to capturing the knowledge, source code and value created throughout this Project:

We are using OneDrive for all group documents that will be kept and backups for all work stored on the OneDrive. Trello Board linked with other software we are using to manage the project. The board is shared with everyone in the group and also the supervisor. We are using Bitbucket for code dumps we are using throughout development it also links to our Trello board for easy links and organization. All connected to slack with mobile versions downloaded, also connected on skype for those who can't make meetings in person.