

**PROCUREMENT PLAN****TASK: Create Responsive CSS Using Media Queries**

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### Procurement Management:

Identify the software tools and services required for the project (e.g., libraries, frameworks, hosting services).

1. HTML/CSS

The main languages used for the content are HTML and CSS. Where HTML is used for the main structuring of the website, and CSS is used to style and give the visual presentation of the pages and their attributes.

2. WEB HOSTING SERVICE

The school domain was used to host the website on its server provided by the Southern Cross University server, the “.edu.au” domain.

3. VERSION CONTROL SYSTEM

According to the tasks allocated on Jira, Github was used for version control while carrying out the new tasks assigned to each member. Each member was assigned a branch for their version control.

4. DEVELOPMENT ENVIRONMENT

The text editor used was Sublime Text Editor.

5. BROWSER COMPATIBILITY

Browsers installed on the PCs that were used to test the compatibility was Brave Browser, Google Chrome and Edge.

Research and select appropriate tools and services, considering factors such as cost features, and compatibility.

The tools and services used to carry out the tasks assigned to each member for this project are:

### HTML/CSS

Cost:	Free (open source)
Features:	-HTML -CSS -RESPONSIVE DESIGN
Compatibility:	Compatible with Chrome, Firefox, Safari, Edge, Brave

### .edu.au

Cost:	Provided to SCU students
Features:	-Security Features
Compatibility:	Supports CMS platforms such as WordPress and programming languages such as PHP.

### GITHUB

Cost:	Free for the public repositories and paid for the private repositories.
Features:	-Track changes in the code -Collaboration with team members -Branching and merging capabilities
Compatibility:	Compatible with various IDEs and text editors, mainly used are Sublime Text and Visual Studio Code.

### SUBLIME TEXT -DEVELOPMENT ENVIRONMENT -

Cost:	Free or paid options are available.
Features:	-Syntax highlighting -Code completion -Extensions/plugins for added functionality.
Compatibility:	Compatible with multiple programming languages and frameworks.

### BROWSER COMPATIBILITY TESTING TOOLS

Cost:	Free options are available, such as a free trial on BrowserStack.
Features:	-Test website appearance across the different browsers used. -Live testing and screenshots.
Compatibility:	It supports Chrome, Firefox, Safari, and Edge.

## Request for Proposal (RFP)

### 1. Introduction and Background

This project aims to carry out the task according to User Story 1 which is to enhance the user experience of the previous project <https://24234155.it.scu.edu.au/index.html> hosted by the Southern Cross University server by implementing a more responsive design, giving users a better experience hosted by the southern cross university server by implementing a more responsive design giving users a better experience. This allows the website to be accessible across various devices and is visually appealing.

### 2. Scope of Work

Project Description: Enhance the existing website by implementing a responsive design and ensuring that the website will provide a viewing experience across various devices, including desktops, mobile devices, and tablets. The main objective is to improve the usability, engagement, and accessibility of users using mobile devices.

Deliverables:

- Audit current mobile experience
- Create responsive CSS using media queries
- Adjust the layout for mobile devices.
- Ensure all interactive elements are touch-friendly.

Timelines:

Project Kickoff	5/09/24
Completion of Mobile Experience Audit	10/09/24
Submission of Responsive CSS Stylesheets	11/09/24
Delivery of Adjusted Layout Designs	15/09/24
Implementation of Touch-friendly elements	20/09/24
Final Testing and Validation	03/09/24
Project Completion and Review	04/10/24



### 3. Technical Requirements

#### Functional Requirements:

- A Website should in a Nutshell have: • Responsive Design: Render fully across all devices (Desktop, Mobile, Tablet)
- User Authentication: User login and registration feature.
- Content Management: Provided the ability to admins to change content (texts, images) without any technical specialty.
- Interactivity – Ensure that the interactive elements such as forms, buttons and links are working fine and user-friendly.
- Searchability: Supplies a search function to aid users in quickly finding content. Responsive Design: The website must adapt seamlessly to various screen sizes (mobile, tablet, desktop).
- User Authentication: Implement user login and registration functionality.
- Content Management: Allow administrators to easily update content (text, images) without technical knowledge.
- Interactive Elements: Ensure features like forms, buttons, and links are functional and user-friendly.
- Search Functionality: Include a search feature to help users find content quickly.
- Analytics Integration: Integrate Google Analytics to track user behaviour and engagement.

#### Non-Functional Requirements:

- Speed: On a standard broadband connection, the website should take no more than 3 seconds to load.
- Secure: Use SSL, data-encrypted communication and user authentication administrative functions within the system.
- Accessibility - Compliance with WCAG 2.1 for accessibility. Performance: The website should load within 3 seconds on standard broadband connections.
- Security: Implement SSL encryption for data protection and secure user authentication processes.
- Scalability: The website should be able to handle increased traffic without performance degradation.
- Accessibility: Ensure compliance with WCAG 2.1 standards for accessibility.

#### Integration Requirements:

### 6. Evaluation Criteria

#### Selection Process

- Proposals will be reviewed by a committee composed of university staff members.
- Shortlisted vendors may be invited for an interview or presentation.

### 7. Vendor Information

Company Overview: Kat's Crochet, is a small crochet business that makes creative and custom orders for customers.

### 8. Cost Proposal

Payment Terms: The software used was free

### 9. Additional Information

Q&A Sessions: These will be held during the project presentation

Contact Information:

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### 10. Appendices

[..\GitHub\MANAGING-SOFTWARE-DEVELOPMENT-ISYS2006\Gant Chart Assessment 2 Group 1.xlsx](#)

<https://github.com/katdawg99/MANAGING-SOFTWARE-DEVELOPMENT-ISYS2006.git>

