Statement of Work

Name of Company: Lidsyda Nouanphachan

Company Address: 3000 NE 4th St, Renton, WA 98056

Project Manager: CLASS CNE 350 Spring Quarter

 Prepared by: Lidsyda

Project Name: Web Server

The Scope of Work is Setting Up a Static Personal Website. **The Scope of Work must be consistent with the project timeline.**

OBJECT: STATIC PERSONAL WEBSITE

This project demonstrates how Raspberry Pi Zero can be used as a low-cost, energy-efficient

web server. The goal is to host a static personal website using HTML. The project shows basic

web development and server setup skills using lightweight Linux tools.

TASK LIST

Each task is assigned a number to facilitate easy reference in this document and throughout the project.

Task No.	Task	Description	Status date	Reporting Head
1	Prepare Raspberry Pi Zero	Boot into the existing Raspberry Pi OS already installed on the SD card	06/16/2024	Lnouanphachan
2	Connect to Network	Ensure the Pi is connected to Wi-Fi or Ethernet for local access	06/16/2024	Lnouanphachan

3	Update System (Optional)	Run "**sudo apt update && sudo apt upgrade**" to ensure everything is current	06/16/2024	Lnouanphachan
4	Install Web Server	Install Lighttpd or Apache2: **sudo apt install lighttpd or sudo apt install apache2**	06/16/2024	Lnouanphachan
5	Create Website File	Write your **index.html** file with a personal message using **nano** or another editor	06/16/2024	Lnouanphachan
6	Deploy Website	Move **index.html** to **/var/www/html/ (e.g., sudo cp index.html /var/www/html/)**	06/16/2024	Lnouanphachan
7	Test in Browser	Access the Pi's IP in your browser (http://<pi-ip-address>) and verify the site works	06/16/2024	Lnouanphachan
8	Take Screenshots	Capture: terminal commands, running webpage in browser, your HTML code	06/16/2024	Lnouanphachan

KEY PERSONAL LIST

Name of Key Personnel	Role/Title	Responsibilities
Lidsyda Npc	Network Technician	- Planned the project scope - Configured Raspberry Pi Zero - Installed web server (Apache2 or Lighttpd) - Wrote and deployed a static HTML site - Tested functionality and captured documentation - Prepared presentation and SOW

PROBLEM STATEMENT

I'm new to web development and Raspberry Pi projects, so I wanted to learn how to build and host a simple website using basic tools. My goal was to keep it easy, low-cost, and hands-on by using a Raspberry Pi Zero and simple HTML.

I faced some beginner challenges, like learning how to add an image to my website. But this project helped me understand the basics of setting up a web server and writing HTML while I kept learning new things.

Estimated Budget Cost of Project

Item	Description	Estimated cost (USD)
Raspberry Pi Zero (W or 2 W)	The main device used to host the website	$10 – $15
Wi-Fi connection (built-in or USB)	Used to access the Pi over a network	$5 – $10
Basic Peripherals (borrowed/shared)	Monitor, keyboard, etc. (used for setup)	$0 (already owned or shared)
Power Supply (5V micro-USB)	Power adapter for Raspberry Pi Zero	$5 – $10
MicroSD Card (16GB–32GB)	Storage for OS and website files	$7 – $12
Total Estimated Cost		$27-$47

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*The purpose of this document is to outline and explain the process of building and hosting a **static personal website using a Raspberry Pi Zero**. It describes the steps taken to install and configure a lightweight web server, write simple HTML content, and make the website accessible on a local network.*	

This SoW outlines the terms of our agreement. By signing below, I acknowledge that I am a representative of the identified party and agree to the terms.

CLASS CNE 350 Spring Quarter

Name: Lidsyda Nouanphachan

Signature: _____*Lidsyda nouanphachan*_____

Date: _____06/16/2025_____