

FINAL PROJECT HANDbook

Client Side Programming

Survival Guide For DJJJJ



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DJJJ

NSCC Ecampus Programing Year 1

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**Course:** PROG 2700 – Client Side Programming

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# Client Side Programming

## Project Overview

We are creating a simple interactive web App to track income expenses and savings

This is a personal budget and expense Tracker

* Record income and expenses – Users can log how much they earn and spend.
* Show spending categories – Users can categorize expenses (Food, Rent, Transportation, etc.).
* Calculate savings – The system will display the user’s remaining balance.
* Generate reports – Users can view a summary of their finances.

**We MUST submit a “Proof of Concept 2 DAYS before presentation, aka a working prototype.**

## **The Presentation**

The Presentation is 10 minutes long that consists of:

* How the system helps users track their finances
* Live demonstration of key figures
* Team roles and their contributions

# What do we need for this project

|  |  |  |
| --- | --- | --- |
| **Criteria** | **Points** | **Description** |
| **1. Functionality & Core Features** | **2** | Users can add income/expenses, categorize transactions, and see a financial summary. |
| **2. JavaScript Code Quality** | **2** | The code is well-structured, clean, and modular. |
| **3. UI/UX & Interactivity** | **1** | Users can easily navigate and interact with the system. |
| **4. Data Storage & Persistence** | **1** | Uses **Local Storage** to retain user data. |
| **5. Error Handling & Validation** | **1** | Prevents invalid inputs and provides meaningful error messages. |
| **6. CSV Export & Reporting** | **1** | Users can download financial data as a .csv file. |
| **7. Code Documentation & Readability** | **1** | Includes clear **comments**, and functions are well-organized. |
| **8. Presentation & Team Contribution** | **1** | The team clearly explains how the system works. |

# How the heck do we pass this in?

Submit your final project as a compressed ZIP file containing:

JavaScript & HTML files (Complete web application)

Project report (.pdf or .docx)

Presentation slides (.pptx or .pdf)

ZIP File Name: TeamName\_BudgetTracker.zip

Inside the ZIP Folder:

index.html (Main webpage)

script.js (JavaScript code)

style.css (Optional – if styling is included)

report.pdf (Final project report)

presentation.pptx (Client presentation slides

# The Group Policy (Ethos)

## Commitment to Participation

We will make an effort to contribute equally to our projects by attending meetings and fulfilling our responsibilities in tasks.

## Respect and Communication

We aim to promote open and respectful communication so that every team member feels comfortable sharing their ideas, concerns, and feedback.

## Accountability

Each of us is accountable for completing our assigned tasks in a timely manner. If an unexpected situation arises, it’s essential to inform the team early and collaborate on finding a solution.

## Quality

Our goal is to deliver high-quality work instead of hurrying, as rushing could lead to errors.

## Support

We will actively support each other by sharing our knowledge and offering help when someone is facing difficulties.

# The Group Policy Continued (Ethos)

## Conflict Resolution

In the event of disagreements, team members should tackle conflicts with a focus on solutions and aim for a compromise; if this fails, faculty intervention may be necessary.

## Transparency

We will keep each other informed and updated on our progress regarding the projects.

## Work-Life Balance

We will strive to avoid overworking ourselves and acknowledge the significance of taking breaks.

## Decision-Making Process

We will conduct group votes before making decisions. The majority will decide; in the case of a tie, the designated tiebreaker will make the final decision on the course of action.

# Who is taking care of what?

## Dawson

JS Programmer

## Jeremy:

HTML and CSS Design, JS Programmer

## Josh

Bug Catcher/Trouble Shooter/JS Programmer

## Judah

Bug Catcher/Trouble Shooter/JS Programmer

# Speculation of Project Development

## Week 1:

Day 1: Kickoff, assign tasks, create shared task board/tracker

Day 2-3 Work on OOP

Day 4-5: continue on OOP for two hours, switch to starting client side programming for two hours

Day 6-7: OOP build continues, assign light tasks for Linux project and C project

## Week 2:

Day 8-10: Finish Project 1 Proto Type (April 2nd)

Day 11-14 Full Sprint Client Side Development (Target prototype April 05)

Parllel Coding/set up for C Project

## Week 3:

Days 15-16 Push C project to April 09 deadline

Days 17-18 Work on Linux Project (april 12 deadline)

Day 19-20 (Review ALL PROTOTYPES, Start presentation prep)

## Week 4 April 13-16)

Refine All Projects

Fix Bugs

Finish Documentation

Rehearse Presentations

|  |  |  |
| --- | --- | --- |
| Project | Prototype Deadlines | Buffer/Polish |
| OOP | April 02 | April 07-13 |
| Client Side | April 05 | April 07-13 |
| C Project | April 09 | April 10-13 |
| Linux | April 12 | April 13-16 |

# Project Documentation Notes

## April 09

This project began when the Java and C project were nearing completion. Code from assignment 2 for client-side programming was recycled for this project. HTML and CSS by Jeremy were provided, and the Majority of the JavaScript code was provided by both Dawson and Jeremy and refined by Josh and Judah,

## April 10th

Dawson created a way to extract user input to save it as a transaction

## April 11th.

Dawson completed the finalization of functionality to the web application. List can successfully dynamically update.

## April 13th

Final Testing and polishing by Josh and Judah. Dawson succeeded in establishing the retention of data if the user needs to refresh the browser.

## April 15th

An additional polishing conducted by josh Judah and dawson as Jeremy provided reviewing when necessary while finalizing the presentation.