

CS 320 Course Project Final Report

for

Expense Tracker

Prepared by

Group Name: KVC Inc.

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# Introduction

*<TO DO: Please provide a brief introduction to your project.>*

The Expense Tracker is a web application that helps users analyze their financial information through spending habits and aids users to formulate financial saving goals.

## Project Overview

< A brief description of the project.

TO DO: Write 1-2 paragraphs describing the project. >

The Expense tracker is a useful tool to offer users insight into managing their finances more efficiently by displaying user input financial information in an easy to read format. The information displayed contains a graph of different expenses,

Once the expenses have been totaled and displayed to the user, Expense Tracker also displays tips or recommendations on where the user may need to adjust their finances or show the user where they have been doing well with their finances.

## Definitions, Acronyms and Abbreviations

<Define all the terms necessary to properly interpret the report, including acronyms and abbreviations.

TO DO: Please provide a list of all abbreviations and acronyms used in this document sorted in alphabetical order.>

## References and Acknowledgments

<List any other documents or Web addresses to which this document refers. These may include user interface style guides, contracts, standards, system requirements specifications, use case documents, or a vision and scope document.

TO DO: Use the standard IEEE citation guide for this section.>

# Design

## System Modeling

< Update your UML diagrams in milestone 2, to reflect the real implementation of this software.

TO DO: Provide an updated version of the UML diagrams, including use case diagrams, sequence (or state) diagrams, activities diagrams, and class diagrams. If you don’t have an updated version, just mention: “our implementation strictly follows the design document (milestone 2)”. >

## Interface Design

<Provide several screenshots to illustrate your interface design.

TO DO:

For each subsystem, pick one or two representative screenshots and paste here.>

# Implementation

## Development Environment

<Describe the devleopment environment you were using for the project.

TO DO: List the programming lanagues, IDEs, tools, etc.>

IntelliJ IDE,

## Task Distribution

*<Describ how the implementation tasks are distributed among team members.*

*TO DO: For each team member, describe his/her main implementation tasks in this project.*

*If this is a one-person project, mention: “all the work presented here is done by \*\*\* (your name).” >*

Chayse:  
  
Kevin:

Vitaliy:

## Challenges

*<This section is optional. Describ the challenges in the implementation, if there are any, and how you dealt with them.*

*TO DO: If you don’t have anything to fill in, just leave this section blank.>*

# Testing

## <*This section is a summary of your testing report>*

## Testing Plan

<Describe your testing plan for the project.

TODO: Give a list of items or functions you want to test, and also a schedule for performing the testing. >

Functions to test:

Linked List Constructor

AddtoList()

TotalExpenses()

TotalByCateg()

Speed test

## Tests for Functional Requirements

<Describe your test results for the functional requirements.

TODO: Provide a list of use cases or functions you have tested, as well as the testing results (whether or not the system passed the tests).>

Linked List Constructor Passed

AddtoList() Passed

TotalExpenses() Passed

TotalByCateg() Passed

## Tests for Non-functional Requirements

<Similar to the Section 4.2, but this section is for the non-functional requirements. >

Speed Test, program should be able to handle large amounts of expenses in under 10ms

Test adding 200 expenses and calculating their total in under 10ms Passed(2ms)

## Hardware and Software Requirements

<Describe the hardware and software requirements for performing the tests. >

All testing is done using the testing suite created from mocha and chai.

# Analysis

<In this Section you need to analyze the effort that has been put on this project.

TODO: Describe how many hours (approximately) each team member spent on the project, for each milestone, which milestone takes the most effort and why. >

# Conclusion

<Conclude the document with what you have learned through working on the project.>

Appendix A - Group Log

< Describe how frequently the group meembers meet during the semester, and how effective the communication is. This is optional for one-person projects.>