**Retirement Income Calculator User Documentation**

**SDEV230 – Fall 2024**

**Axcess Enterprise**

**Table of Contents**

[Introduction 3](#_Toc184196642)

[Installation 4](#_Toc184196643)

[User Input 5](#_Toc184196644)

[Results 6](#_Toc184196645)

[Details 7](#_Toc184196646)

Summary 8

Introduction

This document is intended to provide instructions to those who would like to see what their income will consist of once they retire. This can be used to see if a user should add more to their retirement fund yearly, or see how many years it may take for them to reach the goal they have set.

This Retirement Income Calculator Documentation document contains the following information:

● Instructions for installing and launching the application

● Information the user must input

● Explanation of results

● Summary

Installation

You can access the Retirement Income Calculator application via any integrated development environment (IDE) capable of compiling and interpreting the C++ language. Examples of compatible IDEs include VisualStudioCode, CLion, and NetBeans. Axcess Enterprise recommends the use of VisualStudioCode, which the team used for all testing during the development process.

Follow the steps below to install and run the Calculator:

1. Download the zip file containing the game code.
2. Extract all compressed files from the zip file and save them to the desired location on your network or local machine.
3. Open the calculator in your chosen IDE.

*Simply launch the IDE, locate and select the folder containing the decompressed game code, and click Open.*

User Input

**Information the User Provides:**

* Annual Contribution
  + How much yearly the user is adding into their retirement fund
* Interest Rate
  + How much interest the retirement fund is accruing
* Years Until Retirement
  + How many years until the user plans to retire
* Years During Retirement
  + How many years the user plans on using the retirement income

Results

**Explanation of Results:**

* Future Value
  + This value represents the total of the user’s retirement fund including the yearly additions with compounded interest
* Monthly Rate
  + This value represents the monthly income that will pay out to the user during their retirement, based on the amount of years they plan on being retired

**Details**

**Requirements:**

* Simplicity
  + Keeping the program simple for our users was an important requirement, as too much unnecessary input requirements can cause confusion and overall problems with the program
* Customization
  + Allowing users to adjust the years, payments, and interest makes the program extremely customizable and therefore more appealing to a wide spread demographic

Summary

The Retirement Income Calculator designed by our group Axcess Enterprise was created with the intention to give users the power to make educated decisions about how much annually they are putting into their retirement fund, see the difference various interest percentages make, choose what age they would like to retire, and see what their monthly income based on current inputs would look like for their retirement.

The Retirement Income Calculator was designed with the intention to be simple and direct for users, to avoid confusion that often clouds around financial apps or calculators. Accompanied with our user manual, the income calculator is simple to navigate, and the results are extremely digestible.