

User Manual for Reusable Class TinyTool

Table of Contents

- Introduction
- System Requirements
- Installation Instructions
- User Interface Overview
- Using Reusable Class TinyTool
- Frequently Asked Questions (FAQ)
- Troubleshooting
- Contact Support

Introduction

Thank you for choosing Reusable Class Tinytool Software! This user manual is designed to provide you with comprehensive guidance on utilizing the features and functionalities of our software effectively. Whether you're a seasoned professional or a newcomer to the world of software development, this manual aims to make your experience seamless and productive.

System Requirements

Operating System:

- Windows 10 version 1607 or later

Hardware:

- 1 GHz or faster processor
- 512 MB of RAM
- 1 GB of available hard disk space (addition 176 KB for application itself)

Software

- Visual Studio version 17.8 or later
- Microsoft Windows Desktop Runtime version 8.0.4 or later

Installation Instructions

On Github

1. Go to this Github link: <https://github.com/Cjoynes2004/cis375Final>
2. Follow Github's instructions to clone the repository:
<https://docs.github.com/en/repositories/creating-and-managing-repositories/cloning-a-repository>

In Visual Studio

1. Open the project in the local repository
2. Right click on the solution in the Solution Explorer
3. Click "Build solution"
4. Right click the solution again, select "open folder in file explorer"
5. Navigate to bin, debug, then copy the net8.0 folder to your PC

On Your Device

1. Open the application file within the copied net8.0 folder

Alternatively, you can also email our software developer Chandler Joynes at cjoynes@umich.edu and request the software to be emailed.

Using Interface Overview

Upon opening the Reusable Class TinyTool, you will be greeted with a window displaying a title, some information and instructions, a class textbox, several questions regarding your Class, a button marked "Reusable?", and a button marked "Reset".

Using Reusable Class TinyTool

To use the software, follow the below prompts in order. While you are able to do these instructions out of order, doing so may have faulty results.

1. Fill in the name of your class.
2. Answer all of the questions regarding your class. If your answer is "Yes", check the box. If not, leave the box blank.
3. When finished with the questions, press the "Reusable" button.
4. If your class is reusable, a prompt will appear below the button stating so. If it is not, the same prompt will state so and include any questions that were unchecked. **Note:** you do not have to have all of these answers checked, just the majority.

5. If you would like to examine another class, click the reset button to uncheck all of the boxes and clear the name.

Frequently Asked Questions (FAQ)

How many questions must be checked for the class to be reusable?

- 10 out of the 15 questions, including the 3 required questions, must be checked for the class to be reusable.

What are the required questions?

- The required questions are question 1 (Is the primary purpose of the object/class clearly defined?), question 8 (Is the class modular and hides information?), and question 11 (Can you integrate the object/class into your program without making significant changes?).

What if I am unsure about the answer?

- If you are unsure whether the answer to the question is yes or no, we recommend leaving the question blank, as it most likely means the answer is no.

Troubleshooting

If the answer to the Q&A is not what it should be according to the requirements detailed above, troubleshoot with the following steps:

- Is the class name typed into the box? If the result begins with “is” and not your class name, this is likely because the textbox in the top right corner is blank.
- Are there at least 10 checkboxes, including questions 1, 8, and 11? If not, those unchecked would be detailed in the result.
- If clicking the button does not display the result or resetting doesn’t clear the info, the program may be struggling to run. Consider restarting the device and testing again.

If none of the above steps listed work, reach out to us (see contact support section).

Contact Support

If you have any issues with the program and the above troubleshooting steps do not resolve the issue, reach out to our support team through the following contact information:

Email: cjoynes@umich.edu