

CMSC203 Assignment 4 Documentation

Class: CMSC203 CRN 32689

Program: Assignment #4

Instructor: dr.ginberg

Summary of Description: /*

* Class: CMSC203

* Instructor: Dr.Grinberg

* Description: Plot Class: Implement methods for x, y, width, and depth fields in the Plot class.

PlotTestStudent: Write JUnit test methods for public Plot class methods.

Property Class: Define fields for property name, city, rent, owner, and plot in Property class.

PropertyTestStudent: Develop JUnit tests for Property class public methods.

ManagementCompany Class: Create fields for company name, tax ID, fee percentage, properties, and plot in ManagementCompany class.

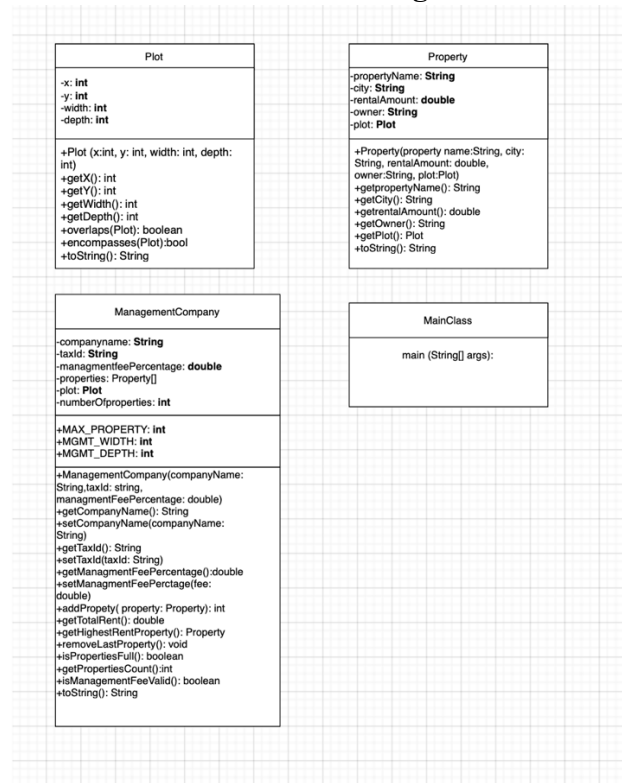
ManagementCompanyTestStudent: Construct JUnit tests for ManagementCompany class methods.

Due: 04/01/2024

Integrity Pledge: I pledge that I have completed the programming assignment independently.

I have not copied the code from a student or any source. Sousanna Chugunova

Part1: Part2: UML Class Diagram

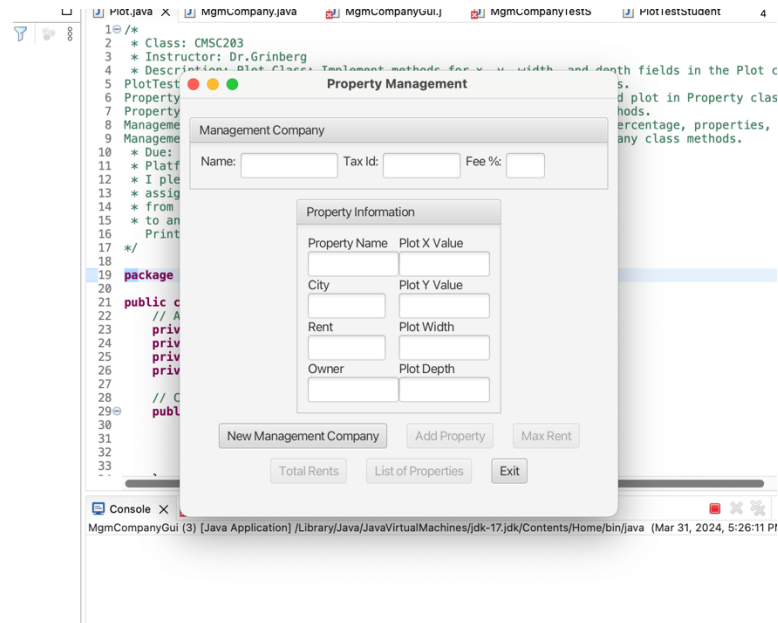


Part2: Screenshots:

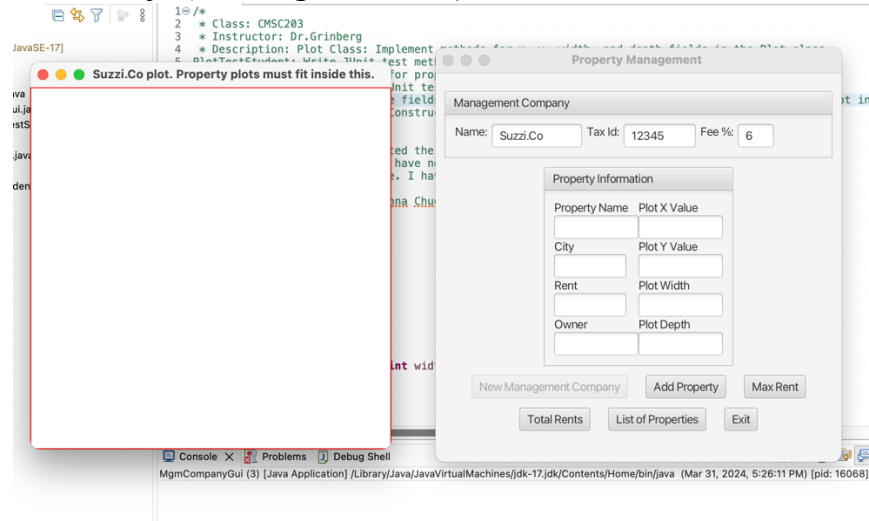
- a. Screen snapshots of the GUI with several properties (similar to screenshots in Assignment Description).

Expected output from running with GUI:

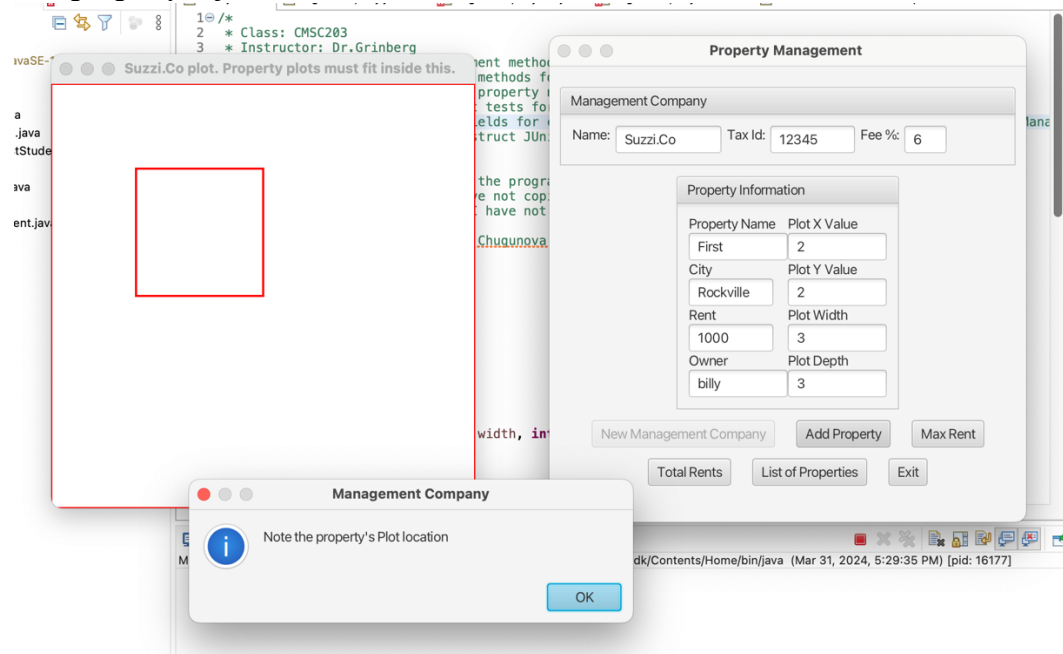
PropertyMgmGui.java at startup



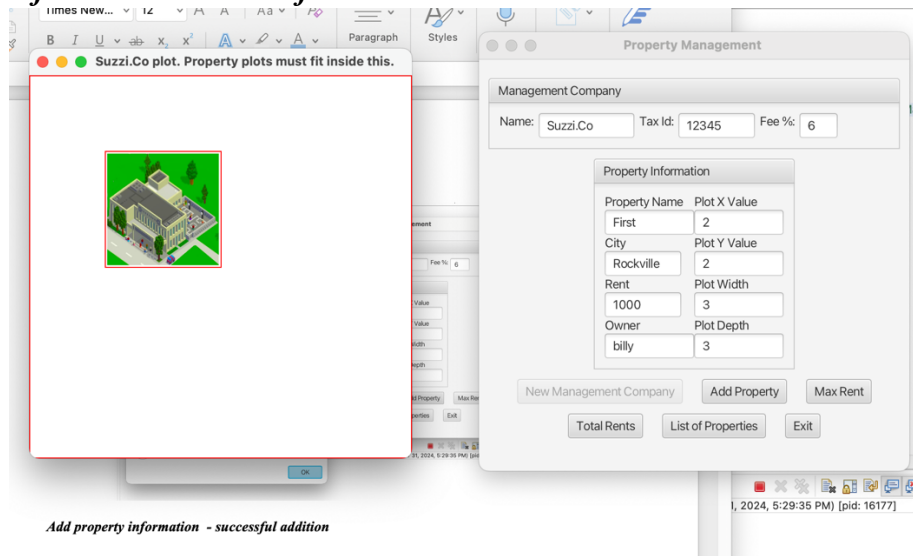
Add Management Co Info (Note Mgmt. Co Plot)



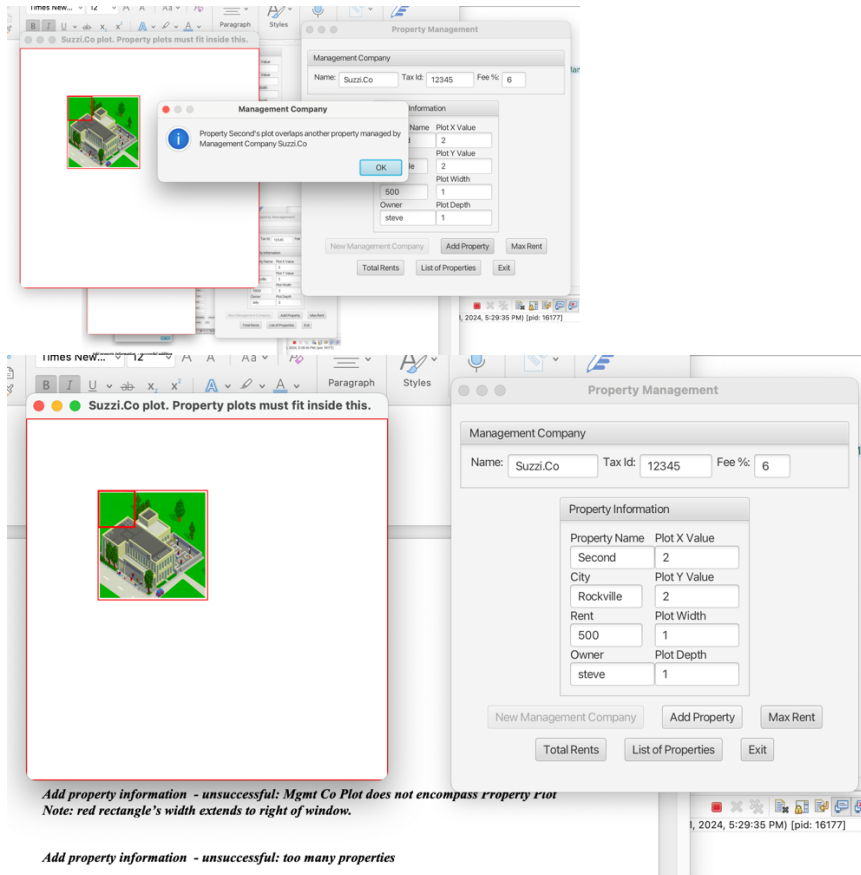
Add property information - the Plot outline



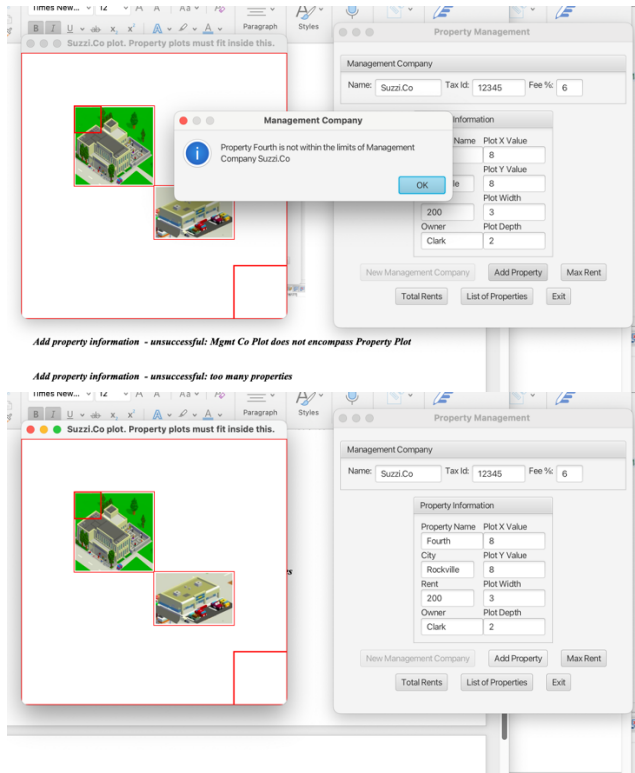
Add property information - successful addition



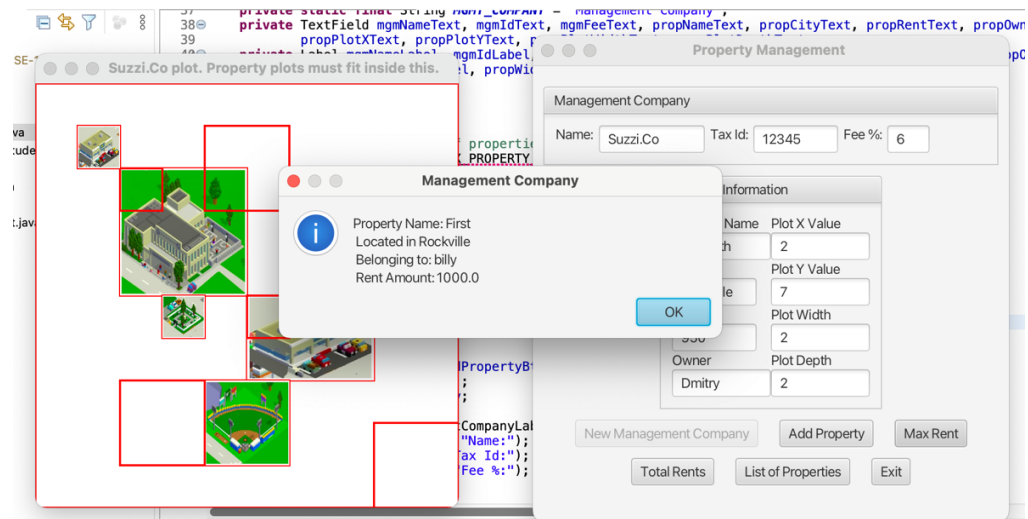
Add property information - unsuccessful: overlaps



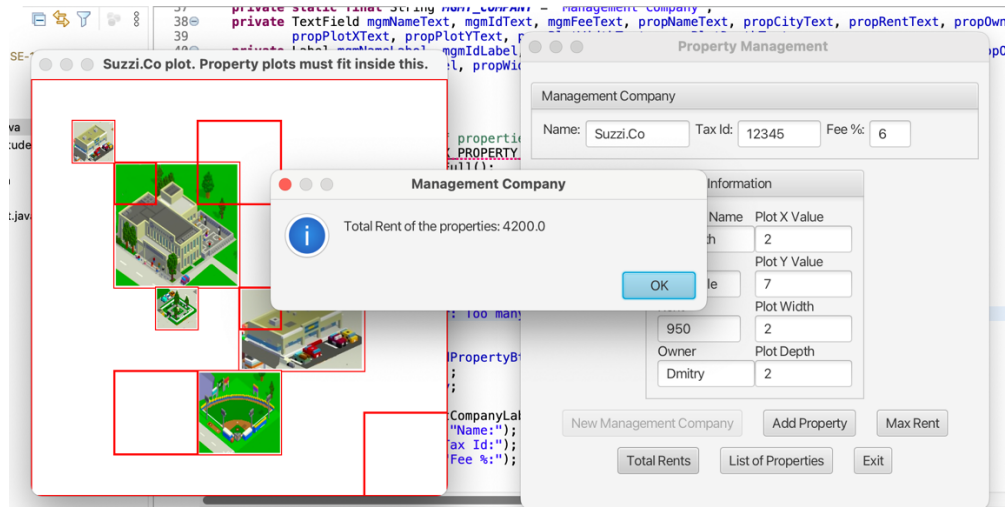
Add property information - unsuccessful: Mgmt Co Plot does not encompass Property Plot



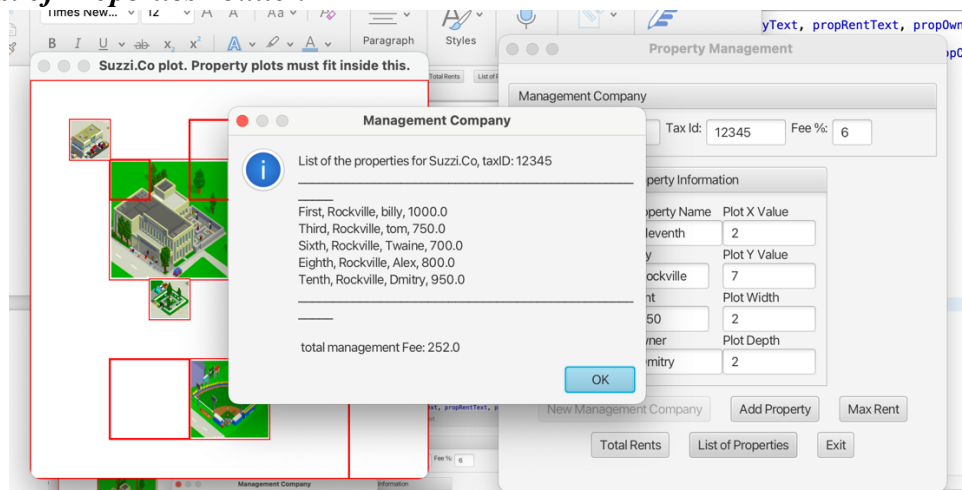
Result of “Max Rent” button



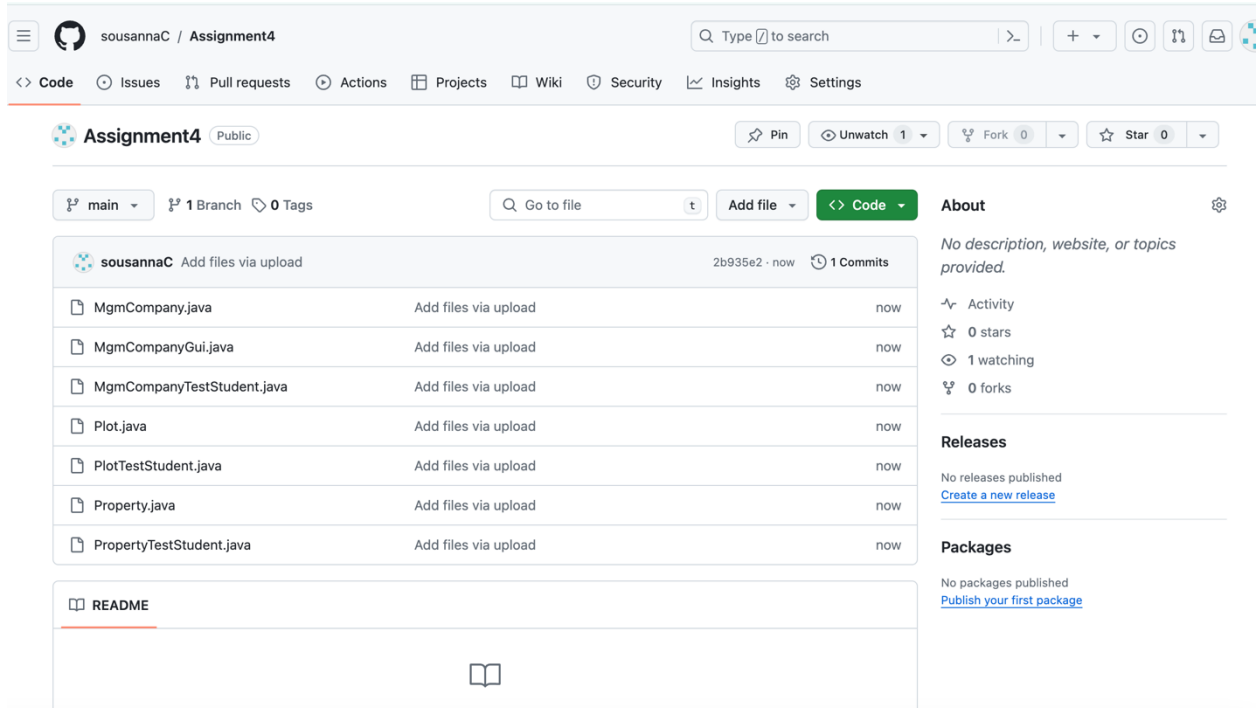
Result of “Total Rent” button



Result of "List of Properties" button



- b. Screen shot of src folder files in your GitHub repository.



Lessons Learned <Provide answers to the questions listed above>:

Write about your Learning Experience, highlighting your lessons learned and learning experience from working on this project.

What have you learned? **How to upload images to a GUI**

What did you struggle with? **Uploading images to GUI**

What would you do differently on your next project? **Learn how to upload images to GUI faster**

What parts of this assignment were you successful with, and what parts (if any) were you not successful with? **I was successful with uploading images to GUI. I struggled to upload images to GUI from directory**

Provide any additional resources/links/videos you used to while working on this assignment/project.

<https://www.youtube.com/watch?v=FdQX8sUNO-s>
<https://revel-ise.pearson.com/courses/65a85b0c800381387f52555b/pages/urn:pearson:entity:e2d5befa-c124-446e-b267-59d7b0ad1f6a?source=dashboard>

Check List: <Provide answers to the column Y/N or N/A >:

#		Y/N
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1.	Assignment files:	
	<ul style="list-style-type: none"> FirstInitialLastName_ Assignment4_Complete.zip 	Y
	<ul style="list-style-type: none"> FirstInitialLastName_ Assignment4.docx/.pdf 	Y
	<ul style="list-style-type: none"> Source java files 	Y
	<ul style="list-style-type: none"> JUnit Test Files 	Y
	<ul style="list-style-type: none"> FirstInitialLastName_ Assignment4_JavaFiles.zip 	Y
2.	Program compiles	Y
3.	Program runs with desired outputs related to a Test Plan	Y
4.	Documentation file:	
	<ul style="list-style-type: none"> Screenshots from IDE 	Y
	<ul style="list-style-type: none"> Screenshots of your GitHub account with submitted Assignment# (if required) 	Y
	<ul style="list-style-type: none"> UML Diagram 	Y
	<ul style="list-style-type: none"> Lessons Learned 	Y
	<ul style="list-style-type: none"> Checklist is completed and included in the Documentation 	Y