



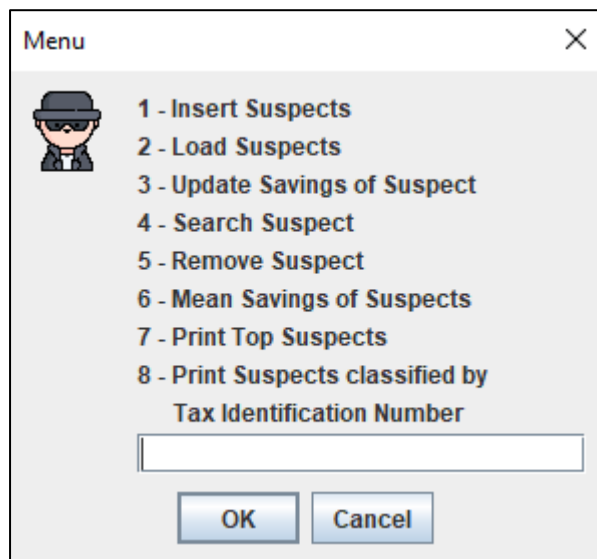
PROJECT REPORT

Anestis Dimou

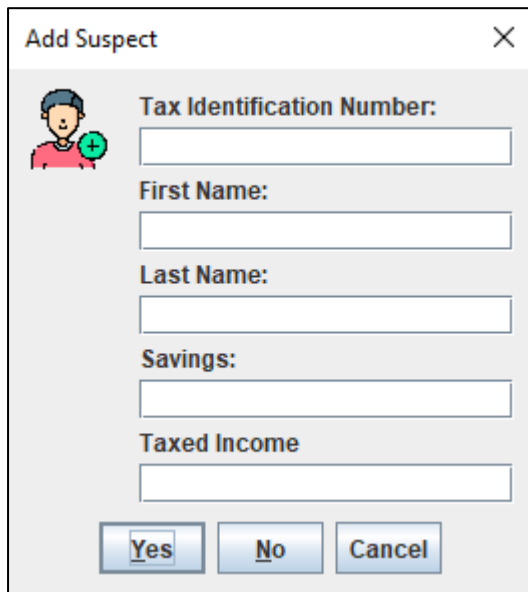
OUTPUT SCREENSHOTS

RandomizedBST_Main

Main Menu

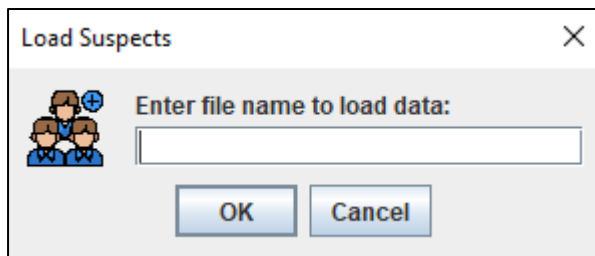


1. Insert Suspects



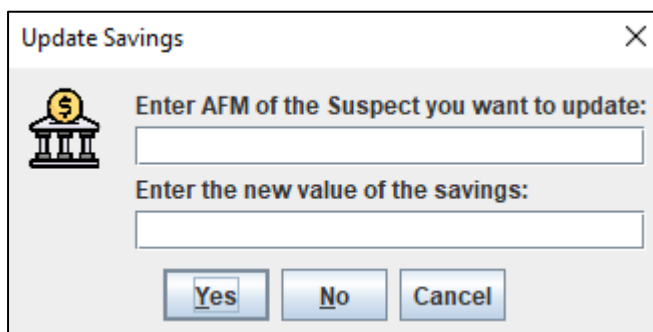
A dialog box titled "Add Suspect" with a close button (X) in the top right corner. On the left side, there is an icon of a person with a green plus sign. The dialog contains five text input fields, each preceded by a label: "Tax Identification Number:", "First Name:", "Last Name:", "Savings:", and "Taxed Income". At the bottom, there are three buttons: "Yes", "No", and "Cancel".

2. Load Suspects from a Text File



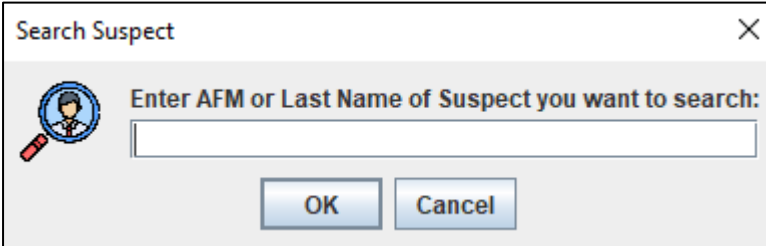
A dialog box titled "Load Suspects" with a close button (X) in the top right corner. On the left side, there is an icon of three people with a blue plus sign. The dialog contains a single text input field preceded by the label "Enter file name to load data:". At the bottom, there are two buttons: "OK" and "Cancel".

3. Update Savings of a Suspect



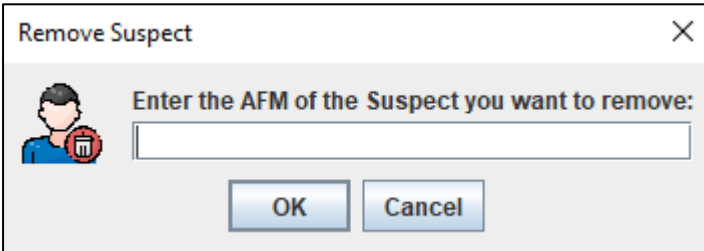
A dialog box titled "Update Savings" with a close button (X) in the top right corner. On the left side, there is an icon of a bank building with a dollar sign. The dialog contains two text input fields, each preceded by a label: "Enter AFM of the Suspect you want to update:" and "Enter the new value of the savings:". At the bottom, there are three buttons: "Yes", "No", and "Cancel".

4. Search Suspect



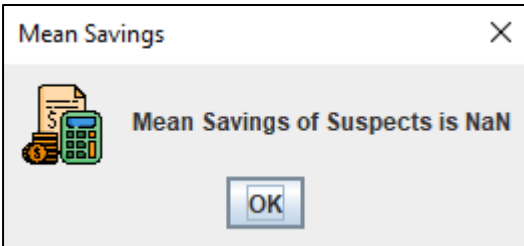
A dialog box titled "Search Suspect" with a close button (X) in the top right corner. On the left, there is an icon of a magnifying glass over a person's head. To the right of the icon, the text "Enter AFM or Last Name of Suspect you want to search:" is displayed above a text input field. Below the input field are two buttons: "OK" and "Cancel".

5. Remove Suspect



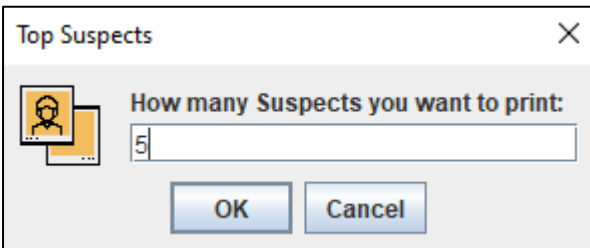
A dialog box titled "Remove Suspect" with a close button (X) in the top right corner. On the left, there is an icon of a person's head with a red trash can over it. To the right of the icon, the text "Enter the AFM of the Suspect you want to remove:" is displayed above a text input field. Below the input field are two buttons: "OK" and "Cancel".

6. Mean Savings of Suspect



A dialog box titled "Mean Savings" with a close button (X) in the top right corner. On the left, there is an icon of a stack of money and a calculator. To the right of the icon, the text "Mean Savings of Suspects is NaN" is displayed. Below the text is a single button labeled "OK".

7. Print Top Suspects



A dialog box titled "Top Suspects" with a close button (X) in the top right corner. On the left, there is an icon of a person's head and a document. To the right of the icon, the text "How many Suspects you want to print:" is displayed above a text input field. The input field contains the number "5". Below the input field are two buttons: "OK" and "Cancel".

Top Suspects



The Top 5 Suspects are:

1.

AFM: 1325

firstName: Alphonse

lastName: Capone

savings: 1000000.0

taxedIncome: 3000.0

2.

AFM: 3262

firstName: Vincenzo

lastName: Pipino

savings: 600000.0

taxedIncome: 10000.0

3.

AFM: 4566

firstName: Vincenzo

lastName: Peruggia

savings: 460000.0

taxedIncome: 12000.0

4.

AFM: 1110

firstName: Gino

lastName: Menghetti

savings: 270000.0

taxedIncome: 15000.0

5.

AFM: 5324

firstName: Frank

lastName: Torado

savings: 110000.0

taxedIncome: 13000.0

OK

8. Print Suspects classified by Tax Identification Number

