

Project 6

PROJECT CHECKLIST

Item	Possible Points	Earned Points	Notes
Program design for Project <ul style="list-style-type: none"> • User input is validated as specified using the Validator class • Displays appropriate error messages for invalid data • AddressBookEntry class has appropriate instance variables as specified • AddressBookEntry class has a constructor, get methods as specified, and set methods for each instance variable • The AddressBookEntryApp class contains the <code>main()</code> method, displays the menu, and processes the user entries correctly • The results are formatted correctly 	5	5	Okay Note: Experienced JAVA programmers do not use the <code>==</code> and <code>!=</code> operators when comparing boolean values. So instead of: <code>if (isValid == true)</code> they would code: <code>if (isValid)</code> Instead of: <code>if (isValid != true)</code> they would code: <code>if (!isValid)</code>
Design Diagrams: <ul style="list-style-type: none"> • A correct class diagram is provided for all classes • Design documentation reflects actual logic of code • All methods are documented (one diagram for each method; you may have more than one diagram on a page) • No diagram is larger than one page (8 ½ by 11 inches with ½ inch margins on all sides) • If using flowcharts to diagram the logic: <ul style="list-style-type: none"> ○ Each flowchart begins and ends with a terminator symbol Note: the main method beginning terminator contains the word <code>main()</code>. The main method ending terminator contains the word <code>return</code>. Because you do not write the code that calls the main method, you will not have any flowcharts where the beginning terminator contains the word <code>START</code> and the ending terminator contains the word <code>END</code>. ○ The appropriate symbol is used ○ Only one task per process symbol (the rectangle); each variable declaration should be in its own symbol; show the entire formula for calculations ○ Every symbol (except a terminator) has at least one flowline leading to it and one and only one flowline leading from it. • If using structured pseudocode to diagram the logic: <ul style="list-style-type: none"> ○ The pseudocode is appropriately indented ○ Each variable declaration is on its own line ○ The entire formula is shown for calculations ○ Selection and iteration blocks have a clear beginning and ending • If using Warnier Diagrams to diagram the logic: <ul style="list-style-type: none"> ○ Braces are appropriately labeled ○ Each variable declaration is on its own line ○ The entire formula is shown for calculations 	5	3	Several diagrams are not complete. Some do not have an ending terminator. Some have symbols that do not have flowlines leading from them. Each method in a class should have its own logic diagram. The instance variables are shown in the class diagram; their declaration is not included as part of the logic diagrams. Note: The constructor for a class is a method. You should have included the constructors in your class diagrams.

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Following course standards: <ul style="list-style-type: none"> • Code standards: <ul style="list-style-type: none"> ○ Code restricted to 80 columns ○ Follows naming conventions for classes, variables, methods, and constants ○ Appropriate comment block at top of program file (may use javadoc conventions) ○ Methods appropriately commented (may use javadoc conventions) ○ Variables have meaningful names ○ Braces align correctly ○ Control statements formatted correctly • All non-code files contain your name, the course code (CITP 190), and the project number at the top of the file. • All design diagrams are in one file. • All files are in standard 8 ½ by 11 inch format with at least ½ inch margins on all sides of the page. 	5	5	Okay
Proof <ul style="list-style-type: none"> • Includes formulas • Shows all test data 	3	3	Note: when giving proof for writing to a file, you should show what the file will look like after each addition.
Screen captures	2	2	Okay
Penalties: <ul style="list-style-type: none"> • Incorrect calculations • Output is not presented as shown (including spelling and spacing) • Code does not follow the standards • Not all test data was used • Reflects material outside what has been covered through Chapter 6 (Note: validating the format of the e-mail address or phone number is outside the material covered through Chapter 6) • AddressBookIO class is not used or has been modified • The final <code>address_book.txt</code> file is not included • Using a <code>continue</code> statement or misusing a <code>break</code> statement 	-20 for any of the items listed		
Total	20	18.0	