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Final Project SDEV 200

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**Problem:**

Took my device to a repair shop to get it fixed, they made use of book to keep the information of costumers who came to repair their device, upon going back to retrieve my device they couldn’t find the record book as there is a new one therefore it was hard to prove I own the device had to come back until the employee who collected my device was there.

**Solution:**

That day I noticed they had a computer however they were not putting their machine to use to help solve this problem, by creating an app. Therefore, I developed this application that keeps this recording tracking for my final java project. Graphical user interface, application

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**How to run the app:**

* To run the program, you must extract the zip file MobileRepairAPP
* After extracting open the folder and open the MobileSystem.java jGrasp file

Table

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* Prior build I had the file in a package which requires the program to be resaved on the user machine to be able to run, but after class and we learned in class example chapter 15 tutorial animationfx that swing GUI don’t require to be in package I implemented it in my project. Therefore, this file can be compiled and built as soon as you successfully open it without needing any further or additional process.

**How to enter data into to app:**

Once the GUI interface is loaded input the data/information required into the text fields click the print button to display results. Graphical user interface, application

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This porgram is structured to accept data in this form end result is below.

Graphical user interface, application

Description automatically generated

**IMPORTANT:**

Please note that data collected is validated to ensure that the most accurate information is collected from the customer, also no one tries to manipulate the application i.e., if a user tries to enter more than 10 digits in the phone number text fields you get error like this below:Graphical user interface

Description automatically generated

Or if a user attempts to enter a value other than numerical in the phone number text field Graphical user interface

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Same thing applies to the repair fee text field and paid text fields, while value entry on “balance due” text field is disabled because it inherits its value from Repair fee and Paid text fields which is calculated automatically from user entry. Graphical user interface

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Lastly the table stores every printed data to also have a record as well see below. To enter data continuously move away or minimize the print display form to allow you enter more info. Graphical user interface, application

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**Conclusion:**

All data collected is to ensure the right phone is given to the right person and serial number is a unique identifier that helps the store representative give the right phone to each customer in case they worked on phones with same model and color the serial number record help differentiate them to each customer.