

Cellphone Repair Tracker Application

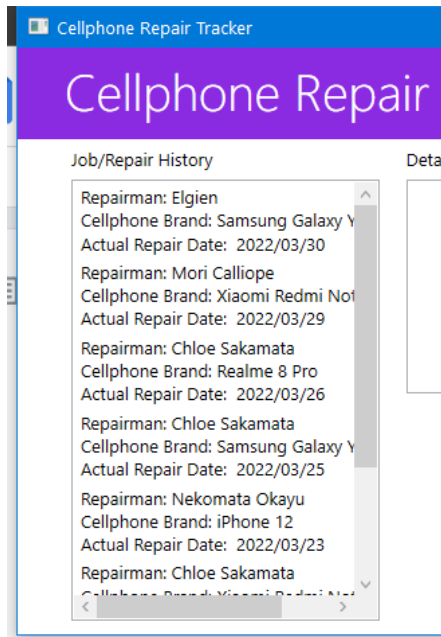
- Version 1 -

Documentation

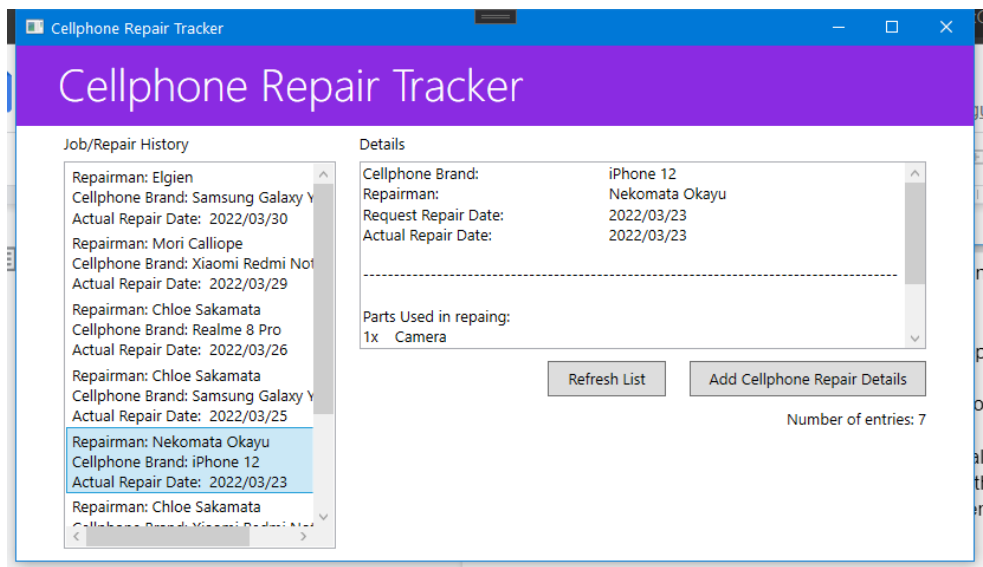
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This is a cellphone repair tracker that tracks the history of cellphone repair jobs in their store, like a record of repaired items. The app lets the user do the following tasks:

- See the entries of each cellphone repairs arranged by recent date, with summarized details such as the repairman, what cellphone is being repaired (Cellphone Brand), and the actual date where the repairs started (Actual Repair Date).



- See detailed information when clicking an entry.



- Add repair details, such as:
 - Cellphone Brand that was repaired,
 - The Repairman,
 - Parts Used, which consists of the part that is used and the quantity used of that part,
 - Services Used, such as installation, repair, etc.,
 - Request Repair Date, when the customer has requested a repair,
 - and Actual Repair Date, when the repairman had started fixing

Add Cellphone Repair Details

Cellphone Brand

Repairman

Parts Used

Use comma for multiple items. e.g.
2x Battery and 1x Tempered Glass:
Battery, Tempered Glass and 2, 1 respectively

Part/s

Type the part/s used. Use comma for multiple items.

Quantity of Each

Services Used

Use comma for multiple items. e.g.
Installed Battery and Installed Tempered Glass:
Installed Battery, Installed Tempered Glass

Request Repair Date

Select a date

Actual Repair Date

Select a date

Cancel

Save

- Show the total number of entries and refresh the list in order to reflect the repair detail/s added.

Refresh List

Add Cellphone Repair Details

Number of entries: 7

How to add Cellphone Repair Details

1

Type the Cellphone Brand that was repaired.
Type the Repairman that repaired the cellphone

Add Cellphone Repair Details

Cellphone Brand

Xiaomi Mi Mix

Repairman

Nekomata Okayu

Parts Used

Use comma for multiple items. e.g.
2x Battery and 1x Tempered Glass:
Battery, Tempered Glass and 2, 1 respectively

Part/s

Quantity of Each

Services Used

Use comma for multiple items. e.g.
Installed Battery and Installed Tempered Glass:
Installed Battery, Installed Tempered Glass

Request Repair Date

Select a date

15

Actual Repair Date

Select a date

15

Cancel

Save

!

When the Repairman's name only contains numbers (e.g. 68), will yield an error:

Formatting or input error

Repairman's name must have letters!

OK

When the Repairman's name has a number in-between, on the start, or end (e.g. Elg1en), will yield an error:

Formatting or input error

Repairman's name mustn't have numbers!

OK

When the Repairman's name contains at least one of these:
!@#\$%^&*()_[]{}<>?/\.,:~`

— it will yield an error:

Formatting or input error

Invalid name of the repairman!

OK

When the Repairman's name has a comma such as the case of Last Name - First Name - Middle Initial, it will throw an error because it would interfere during the loading and saving the entry as details are separated by commas.

Formatting or input error

Please don't type comma as it would interfere the text file when loading. Rather, use the "First Name - Middle Initial - Last Name" order.

OK

2

Type the Parts Used in repairing. It consists of two parts: the part/s used and the quantity of each part. For example: 2x Battery becomes Battery and 2 respectively when you type.

Add Cellphone Repair Details

Cellphone Brand

Xiaomi Mi Mix

Repairman

Nekomata Okayu

Parts Used

Use comma for multiple items. e.g.
2x Battery and 1x Tempered Glass:
Battery, Tempered Glass and 2, 1 respectively

Part/s	Quantity of Each
Battery	2

Type the part/s used. Use comma for multiple items.

Services Used

Use comma for multiple items. e.g.
Installed Battery and Installed Tempered Glass:
Installed Battery, Installed Tempered Glass

Request Repair Date

Select a date

15

Actual Repair Date

Select a date

15

Cancel

Save

2.1

If there are multiple Parts Used, separate them with a comma. For example: 2x Battery and 1x Tempered Glass becomes Battery, Tempered Glass and 2, 1 respectively when you type.

Add Cellphone Repair Details

Cellphone Brand

Xiaomi Mi Mlx

Repairman

Nekomata Okayu

Parts Used

Use comma for multiple items. e.g.
2x Battery and 1x Tempered Glass:
Battery, Tempered Glass and 2, 1 respectively

Part/s

Battery, Tempered Glass

Quantity of Each

2, 1

Services Used

Use comma for multiple items. e.g.
Installed Battery and Installed Tempered Glass:
Installed Battery, Installed Tempered Glass

Type the part/s used. Use comma for multiple items

Request Repair Date

Select a date

Actual Repair Date

Select a date

Cancel

Save

!

When typing Parts used with multiple parts/items, make sure that each part that is used corresponds to a quantity, i.e, typing: Battery, Tempered Glass and 2 respectively will yield an error.

Doesn't match

The number of parts used and its corresponding quantities doesn't match.

OK

It is also true in the reverse. If there is only one part used but has multiple quantities i.e. typing: Battery and 2, 1 respectively will yield the same error as above.

3

Type the Services Used, like installed (this part), repaired (something), etc.

Add Cellphone Repair Details

Cellphone Brand

Xiaomi Mi Mix

Repairman

Nekomata Okayu

Parts Used

Use comma for multiple items. e.g.
2x Battery and 1x Tempered Glass:
Battery, Tempered Glass and 2, 1 respectively

Part/s

Battery, Tempered Glass

Quantity of Each

2,1

Services Used

Use comma for multiple items. e.g.
Installed Battery and Installed Tempered Glass:
Installed Battery, Installed Tempered Glass

Installed Battery

Request Repair Date

3/30/22

Actual Repair Date

3/30/22

Cancel

Save

3.1

If there are multiple Services Used, separate them with a comma. For example: Installed Battery and Installed Tempered Glass becomes Installed Battery, Installed Tempered Glass respectively.

Add Cellphone Repair Details

Cellphone Brand

Xiaomi Mi Mix

Repairman

Nekomata Okayu

Parts Used

Use comma for multiple items. e.g.
2x Battery and 1x Tempered Glass:
Battery, Tempered Glass and 2, 1 respectively

Part/s

Battery, Tempered Glass

Quantity of Each

2,1

Services Used

Use comma for multiple items. e.g.
Installed Battery and Installed Tempered Glass:
Installed Battery, Installed Tempered Glass

Installed Battery, Installed Tempered Glass

Request Repair Date

3/30/22

Actual Repair Date

3/30/22

Cancel

Save

4

Type the Request Repair Date, the date where the customer has initiated a request to repair.

Type the Actual Repair Date, the date where the repairman repaired/used a service on the requested repair.

Add Cellphone Repair Details

Cellphone Brand

Xiaomi Mi Mlx

Repairman

Nekomata Okayu

Parts Used

Use comma for multiple items. e.g.
2x Battery and 1x Tempered Glass:
Battery, Tempered Glass and 2, 1 respectively

Part/s

Battery, Tempered Glass

Quantity of Each

2,1

Services Used

Use comma for multiple items. e.g.
Installed Battery and Installed Tempered Glass:
Installed Battery, Installed Tempered Glass

Installed Battery, Installed Tempered Glass

Request Repair Date

3/30/22

Actual Repair Date

3/30/22

Cancel

Save

!

When the Actual Repair Date is before/less than the Request Repair Date, it will yield an error.

Date error

✖

Specified argument was out of the range of valid values. (Parameter 'Actual repair date is less than the requested repair date.')

OK

5

Click Save to save the Cellphone Repair Details. It will ask if you want to continue adding or exit the Add Cellphone Repair Details Window.

Add Cellphone Repair Details

Cellphone Brand

Xiaomi Mi Mlx

Repairman

Nekomata Okayu

Parts Used

Use comma for multiple items. e.g.
2x Battery and 1x Tempered Glass:
Battery, Tempered Glass and 2, 1 respectively

Part/s

Battery, Tempered Glass

Quantity of Each

2,1

Services Used

Use comma for multiple items. e.g.
Installed Battery and Installed Tempered Glass:
Installed Battery, Installed Tempered Glass

Installed Battery, Installed Tempered Glass

Request Repair Date

3/30/22

Actual Repair Date

3/30/22

Cancel

Save

Add Cellphone Repair Details

Cellphone Brand

Xiaomi Mi Mix

Repairman

Nekomata Okayu

Parts Used

Use comma for multiple items. e.g.
2x Battery and 1x Tempered Glass:
Battery, Tempered Glass and 2, 1 respectively

Part/s

Battery, Tempered Glass

Quantity of Each

2,1

Services Used

Use comma for multiple items. e.g.
Installed Battery and Installed Tempered Glass:
Installed Battery, Installed Tempered Glass

Instal

SS

Request Repair Date

3/30/22

Actual Repair Date

3/30/22

Cancel

Save

Success!

Details are saved.
Do you want to input another record?

Yes

No

6

Click Referesh List to update the list box on the left side

Cellphone Repair Tracker

Cellphone Repair Tracker

Job/Repair History

Repairman: Elgien
Cellphone Brand: Samsung Galaxy Y
Actual Repair Date: 2022/03/30
Repairman: Nekomata Okayu
Cellphone Brand: Xiaomi Mi Mix
Actual Repair Date: 2022/03/30
Repairman: Mori Calliope
Cellphone Brand: Xiaomi Redmi Not
Actual Repair Date: 2022/03/29
Repairman: Chloe Sakamata
Cellphone Brand: Realme 8 Pro
Actual Repair Date: 2022/03/26
Repairman: Chloe Sakamata
Cellphone Brand: Samsung Galaxy Y
Actual Repair Date: 2022/03/25
Repairman: Nekomata Okayu
Cellphone Brand: iPhone 12

Details

Cellphone Brand: iPhone 12
Repairman: Nekomata Okayu
Request Repair Date: 2022/03/23
Actual Repair Date: 2022/03/23

Parts Used in repaing:
1x Camera

Refresh List

Add Cellphone Repair Details

Number of entries: 8

Where is the file that holds the Cellphone Repair Details?

It is on \CellphoneRepairTracker\CellphoneRecords.txt

Projects > CellphoneRepairTracker				
Search CellphoneRepairTracker				
Name	Date modified	Type	Size	
CellphoneRepairDetailsTest	3/23/22 01:04	File folder		
CellphoneRepairTrackerApp	3/30/22 01:07	File folder		
PartTest	3/20/22 10:34	File folder		
TextFileHandlerTests	3/21/22 23:19	File folder		
CellphoneRecords.txt	3/30/22 10:06	Text Document	1 KB	
CellphoneRepairTrackerApp.sln - Shortcut	3/23/22 07:41	Shortcut	2 KB	

What is the format of the data saved in CellphoneRecords.txt?

It is like a CSV (Comma Separated Values) file but on the Parts Used and Services Used, they are separated by a vertical bar, but stored in one comma entry i.e.

Tempered Glass|1|Rubber Casing|1,Installed Tempered Glass|Installed Rubber Casing.

This design was used in order to hold multiple Parts Used and Services Used.

A Cellphone Record Tracker Entry Format in Text File

