

## newfeatures Collect Data

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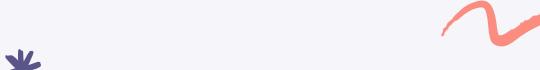


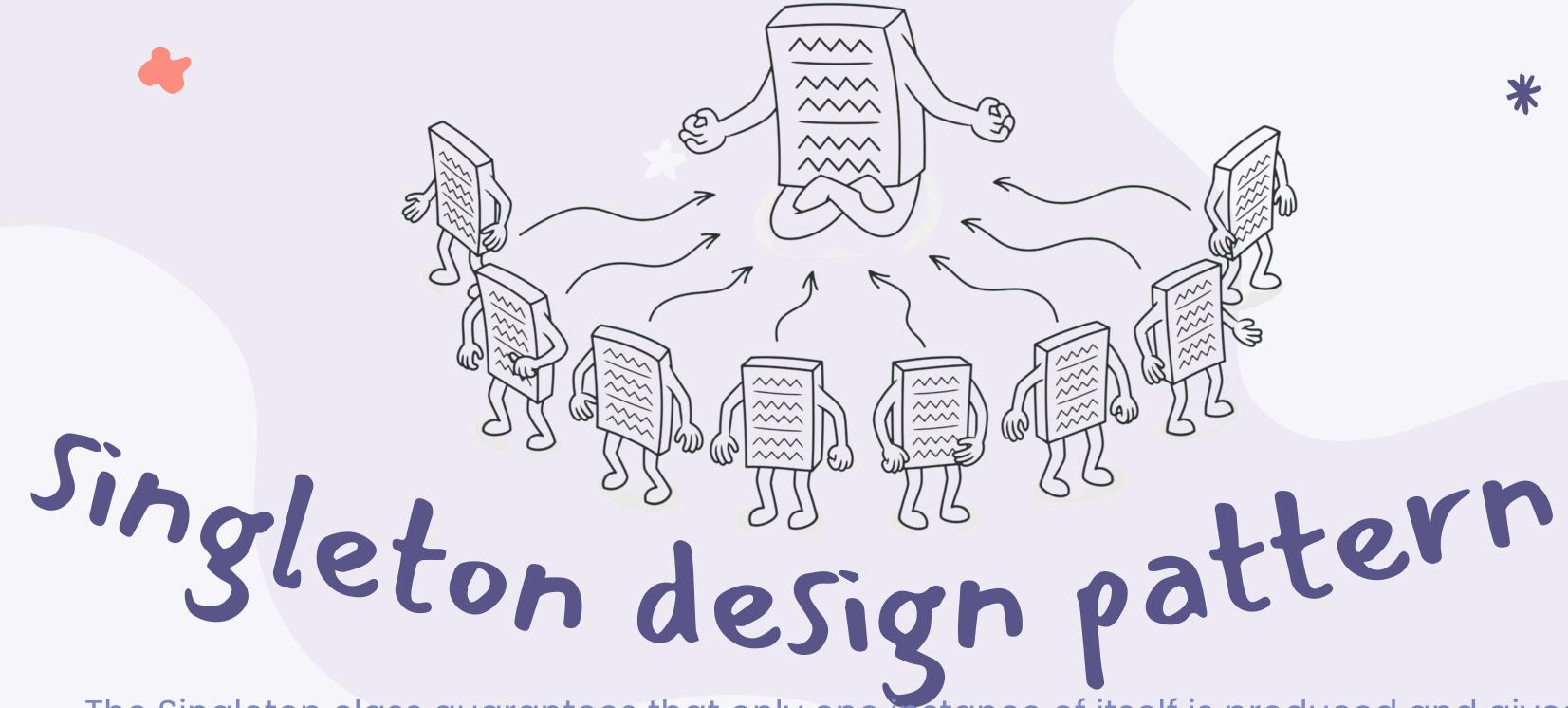
## Collect data



1	Entity Name	Delivery Volume	Entity Speed	Trip Distance	Entity Strategy	Battery Status	Trip Duration
2	Drone	3	30	2926.19	dijkstra	332.605	169.869
3	Robot 1	1	30	453.583	astar	0	17.8008
	Robot 2	1	30	360.945	dfs	0	18.6003
	Robot 3	1	30	390.054	dijkstra	0	19.7543





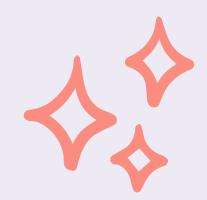


The Singleton class guarantees that only one instance of itself is produced and gives a global access point to that instance.









## Back-end Implementation

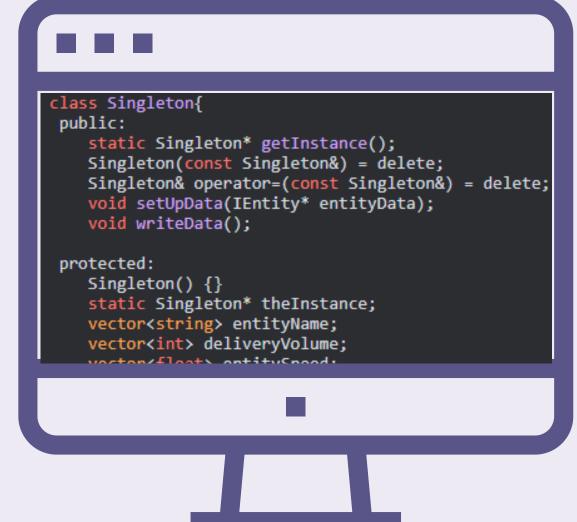
Key methods:

**theInstance**: A static reference to the Singleton class's unique instance.

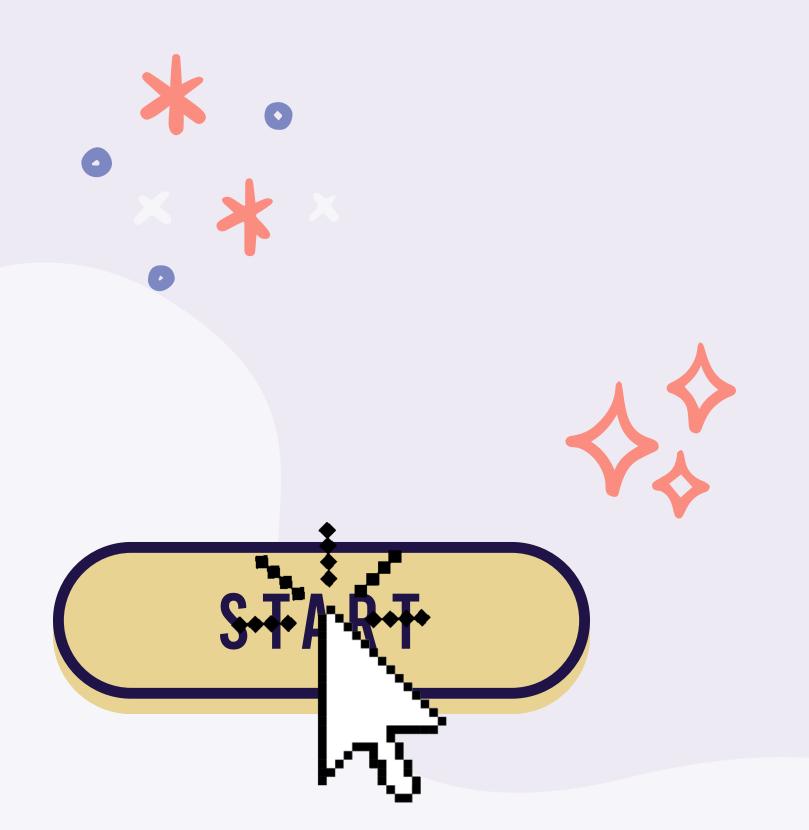
**getInstance()**: A static method that returns the Singleton class's unique instance.

setUpData(IEntity\* entity): The function accepts an IEntity pointer as an argument and set up the method of collecting data

writeData(): The modified data is written to a CSV file using this function.







## Front-end implementation \*

cmd = "writeCSV": The receive command in transit\_service.cc function