

LiveData Class

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LiveData - Benefits

- Ensures your UI matches your data state
- No memory leaks
- No crashes due to stopped activities
- No more manual lifecycle handling
- Always up to date data
- Proper configuration changes
- Sharing resources

The LiveData class

- LiveData is an **observable data holder** class.
- LiveData is lifecycle-aware, meaning it respects the lifecycle of other app components, such as activities, fragments, or services.
- This awareness ensures LiveData only **updates app** component observers that are in an **active lifecycle state**.
- LiveData considers an observer, which is represented by the **Observer** class, to be in an active state if its lifecycle is in the STARTED or RESUMED state.
- LiveData only notifies active observers about updates.

The MutableLiveData class

- If you want to update data stored within LiveData, you must use **MutableLiveData** instead of LiveData.
- The MutableLiveData class has two public methods that allow you to set the value of a LiveData object, **setValue(T)** and **postValue(T)**.

References

- <https://developer.android.com/topic/libraries/architecture/livedata>