

# DataEntry Class

Data Entry class encloses the table class. This is to differentiate the meta data from the actual data of the table. *Only the table class can have indexed member variables.*

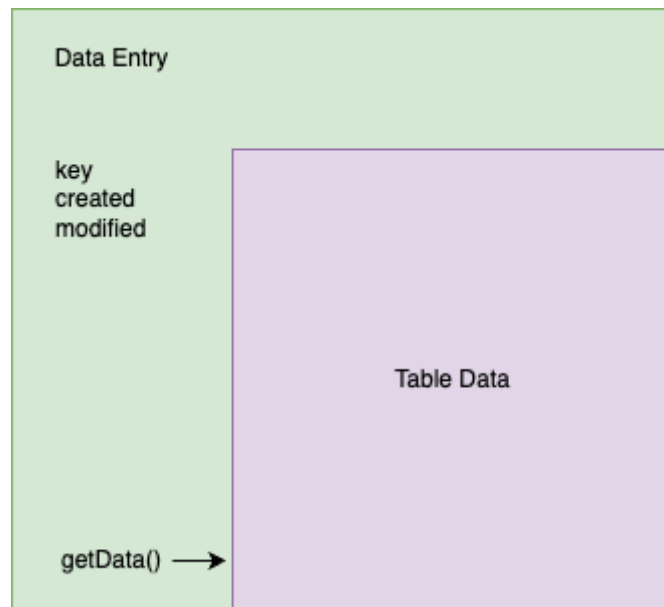
*Author class*

```
public class AuthorDE extends DataEntry<Author> {  
    public AuthorDE(Author obj) {  
        super(obj);  
    }  
  
    public AuthorDE(Create create) throws ClassNotFoundException, JsonProcessingException {  
        super(create);  
    }  
  
    public AuthorDE() {  
    }  
  
    public AuthorDE(String key) {  
        super(key);  
    }  
}
```

## DataEntry

```
public class AuthorDE extends DataEntry<Author>
```

DataEntry contains metadata definitions and in the case above the *Author* class contains table data definitions. Metadata is maintained by the NucleoDB database. Modified/Created dates are based on the ledger in the MQS.



# Constructors

Constructors are required for internal operations and instantiating a new DataEntry into the database.

Below is used when inserting a new Author table class into the database. This will also generate a new key using `UUID.randomUUID()`.

```
public AuthorDE(Author obj) {  
    super(obj);  
}
```

Below is used when a Create is read in from the MQS

```
public AuthorDE(Create create) throws ClassNotFoundException, JsonProcessingException {  
    super(create);  
}
```

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