Generic Typedefs

Type definitions in Dart allow the programmer to map a data type to another or even by assigning a name to a function of a specific return value and parameters. A generic typedef on the other hand leaves either its arguments or return data open for interpretation by the compiler by making those generic so that more than one data type can be passed to the function or returned by it.

Further reading:

- Dart Typedef - W3Schools | W3Adda
- Explore TypeDef In Dart & Fluter - Medium
- Take advantage of type aliases in Dart
- Creating an instance of a generic type in DART
- Prototype Syntax for Generic Methods

Examples

```dart
// a generic typedef is just like a normal type-def
// with one exception; that being the typedef accepts
// one or more generic types, denoted usually with
// single letters such as T and E. The generic
// type is then used inside either the return value of
// the typedef and/or its arguments
typedef OnPressedWithValue<T> = void Function(T value);
// and here is an example of a class that uses our
// generic typedef
class MyButton<T> {
  T value;
  final OnPressedWithValue<T> onPressed;
  MyButton(this.value, this.onPressed);
}
```