I will be implementing the decorator pattern. Specifically, I will be using the decorator pattern to create a
GUI which can be given a customizeable set of widget ``add-ons'' at run-time.

The 'Widget' and 'Decorator' classes were added specifically to implement the
decorator pattern.

```
  ┌──────────────┐              ┌──────────────┐
  │              │              │              │
  │   Widget     │───────────◇  │  Decorator   │
  │              │              │              │
  └──────────────┘              └──────────────┘
         △                             △
         │                  ┌──────────┴──────────┐
  ┌──────────────┐   ┌──────────────┐   ┌──────────────┐
  │              │   │              │   │              │
  │   TextArea   │   │   Border     │   │    Menu      │
  │              │   │              │   │              │
  └──────────────┘   └──────────────┘   └──────────────┘
```