Design Patterns

Model View and Controller

- **Model** - The model represents data and the rules that govern access to and updates of this data. In enterprise software, a model often serves as a software approximation of a real-world process.
- **View** - The view renders the contents of a model. It specifies exactly how the model data should be presented. If the model data changes, the view must update its presentation as needed.
- **Controller** - The controller translates the user's interactions with the view into actions that the model will perform.
- MVC Example Tutorial
- Calculator MVC documentation
- "MVC uses other design patterns, such as Factory Method (121) to specify the default controller class for a view and Decorator (196) to add scrolling to a view. But the main relationships in MVC are given by the **Observer**, **Composite**, and **Strategy** design patterns"
- Observer
- Composite
- Strategy