Opening Discussion

- Teach for America
- Project #2 (https://sites.google.com/a/trinity.edu/webapps/)
Facade

- Put a simple interface on top of a complex library.
- Most users don't need to see everything that can be done. They just need to be able to set things up and run them. The Facade does that.
Add functionality to an object by “decorating it”.

Typically this involves wrapping one object inside of another that has the same supertype, but performs different functionality.

The java.io library is a great example of this.

Scala mix-in traits can take this to a different level.
Old code has the wrong interface. Wrap it in an adapter with the interface you need.

This doesn't matter at all if you have full control over the code. Might be avoidable if you have full control over one side.

Really needed when you have to work with two pieces of code you can't completely change.
Abstract the construction of a complex object.
Have an interface that has methods for the different steps in construction process.
Concrete implementations do the right thing for those steps.
Closing Comments

- Cool stuff in the news?