

Façade

Linda Marshall

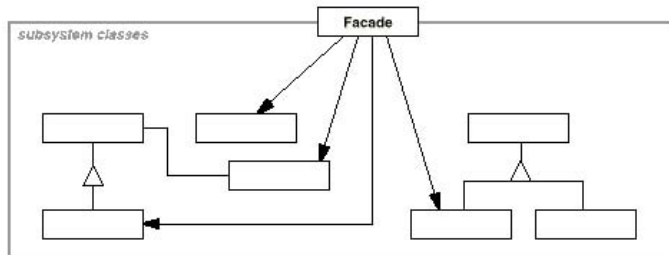
Department of Computer Science
University of Pretoria

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Name and Classification: Façade,
Structural - delegation

Intent: “Provide a unified interface to a set of interfaces in a subsystem. Façade defines a higher-level interface that makes the subsystem easier to use..” (GoF:185)

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- **Facade:**
 - Knows which subsystem classes are responsible for a request.
 - Delegates client requests to appropriate subsystem objects.

- **Subsystem classes:**

- Implements subsystem functionality
- Handle work assigned by the Façade object.
- Have no knowledge of the façade and perform operations independent of the façade.

- **Adapter** wraps to provide the expected interface, while Façade wraps to provide a simplified interface.
- **Template Method** defers steps to subclasses, Façade delegates steps to the different classes comprising a system.

- **Mediator** abstracts arbitrary communication between colleague objects. That is, it provides a central point through which communication takes place. Façade abstracts the interface to subsystem objects to make them easier to use; it doesn't define new functionality, and subsystem classes don't know about it.

