MVC & CSS
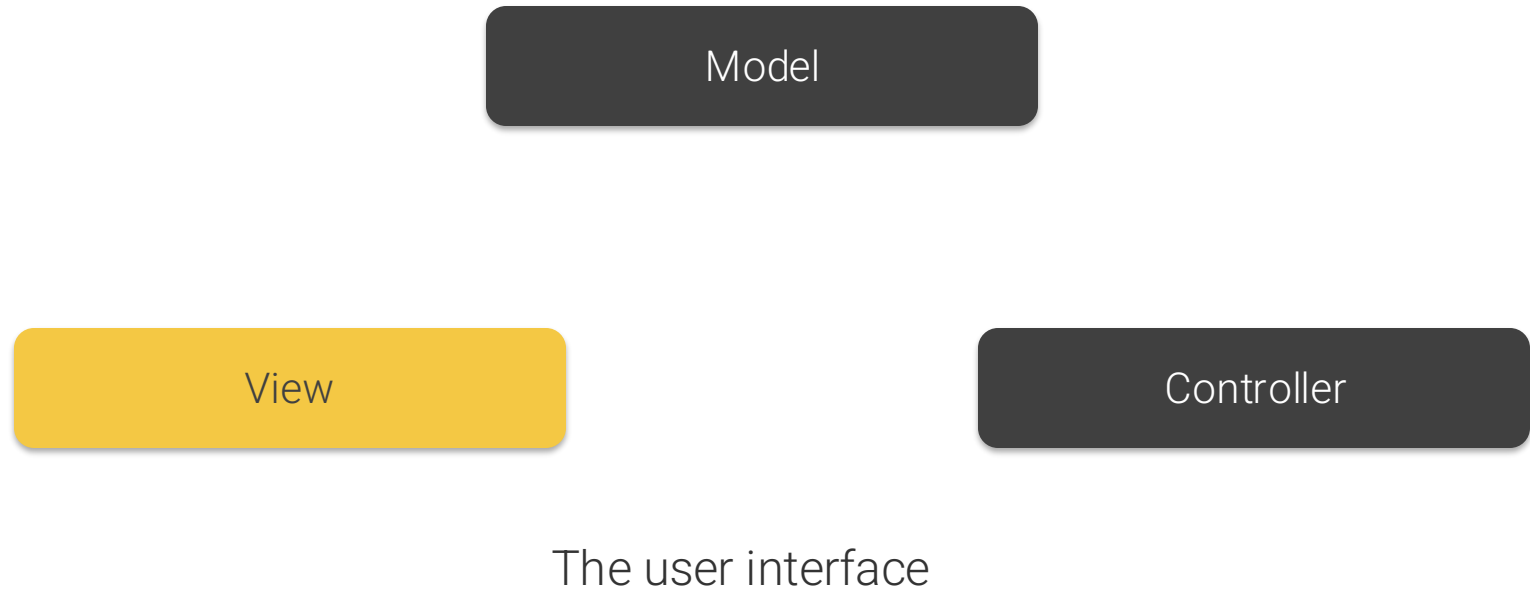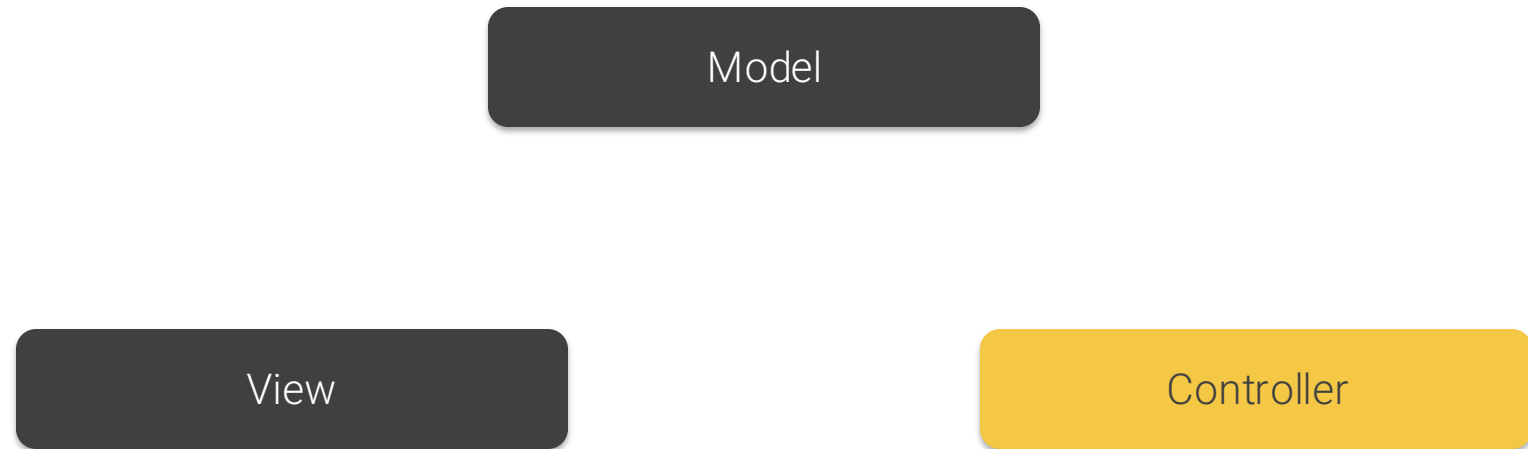
MVC pattern

Model

View

Controller

- Software design pattern commonly used for developing GUI.
- Divides the related program logic into three interconnected elements.
- Aims to allow code reuse and parallel development.
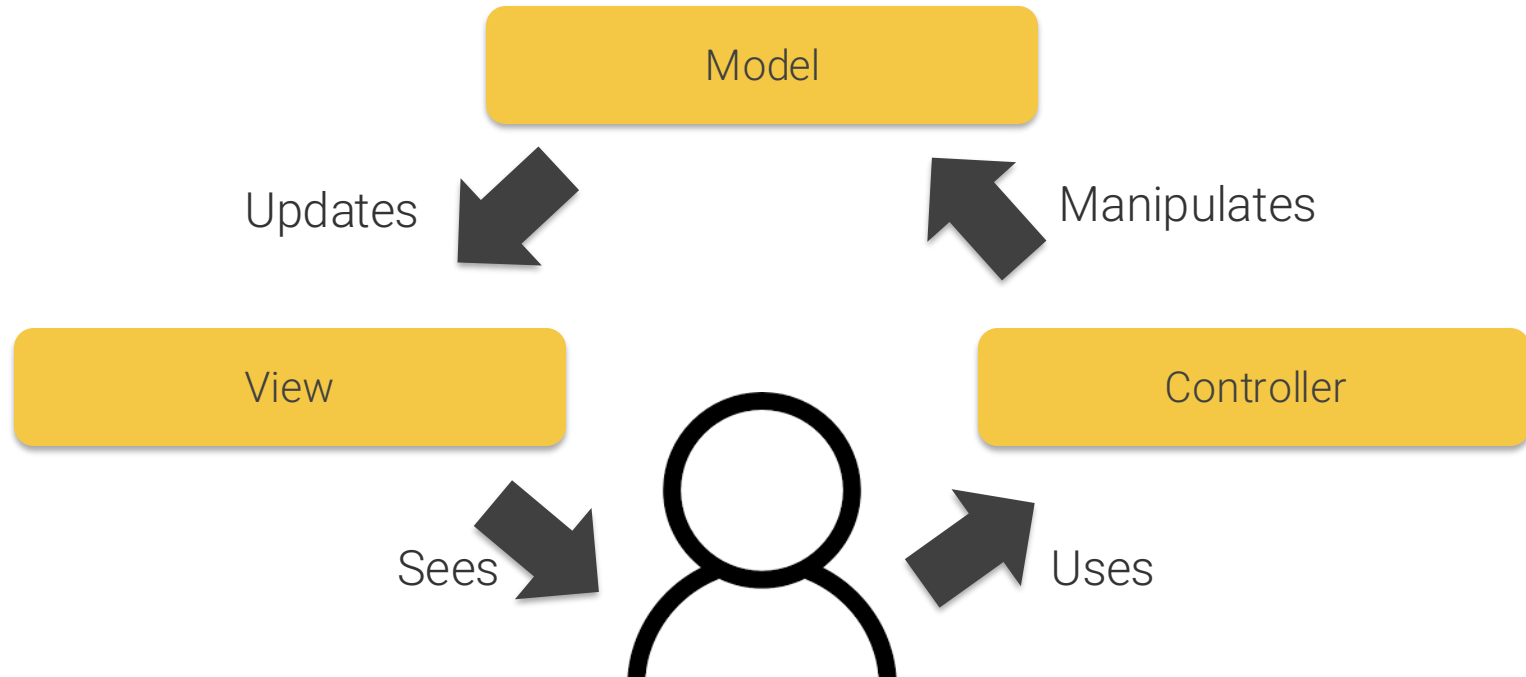
Model

View

Controller
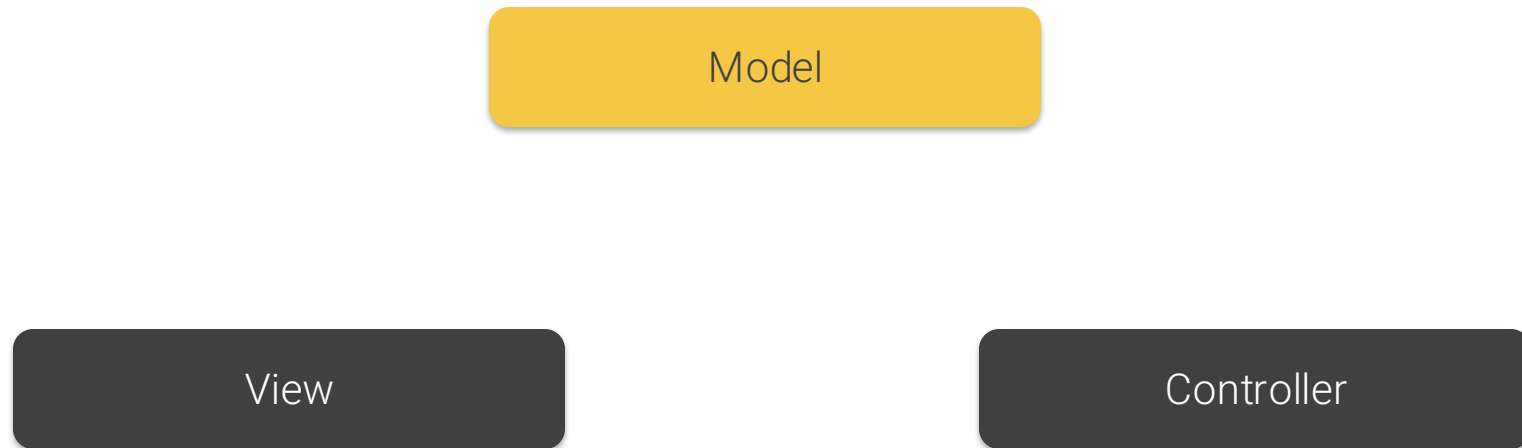
- It is the application's dynamic data structure,
- Independent of the user interface.
- It directly manages the data, logic and rules of the application.

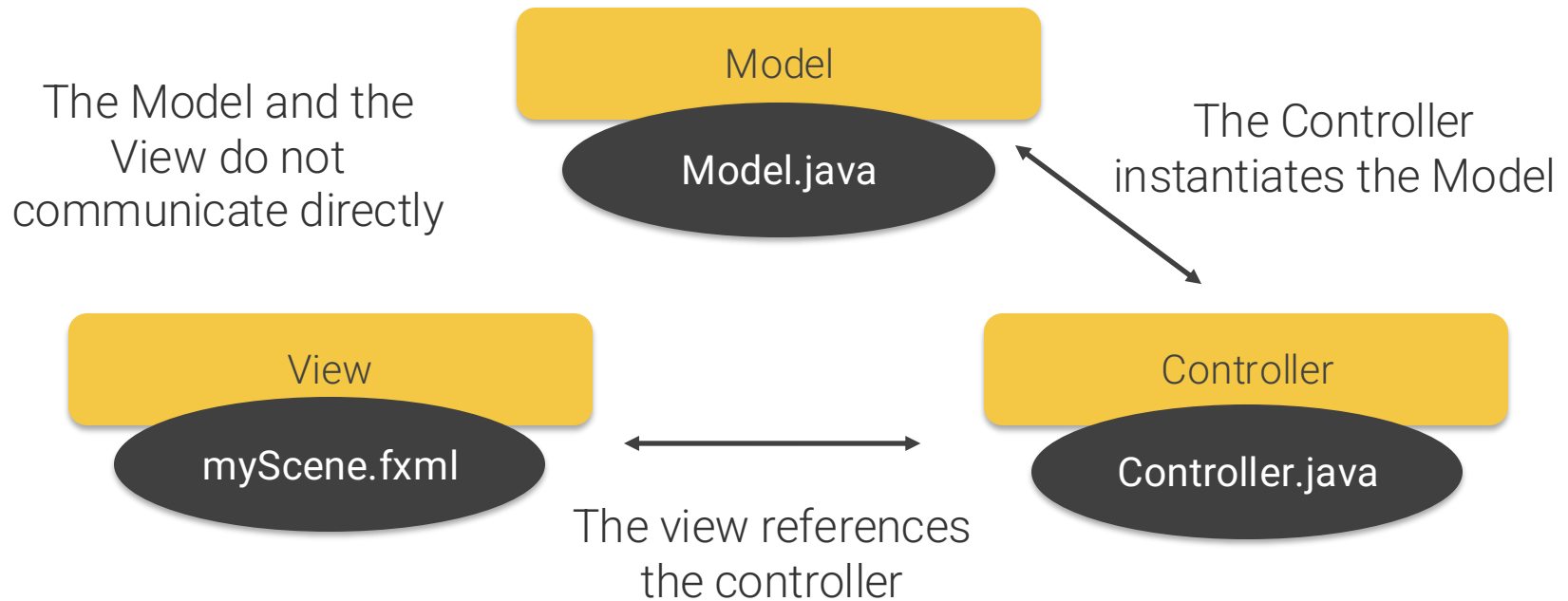Model

View

Controller

The user interface

Model

View

Controller

Accepts input and converts it to commands for the model or view.

Interactions within the MVC pattern

Model

View

Controller

Updates

Manipulates

Sees

Uses

MVC in JavaFX

MVC Workflow

Model

Model.java

The Model and the View do not communicate directly

The Controller instantiates the Model

View

myScene.fxml

Controller

Controller.java
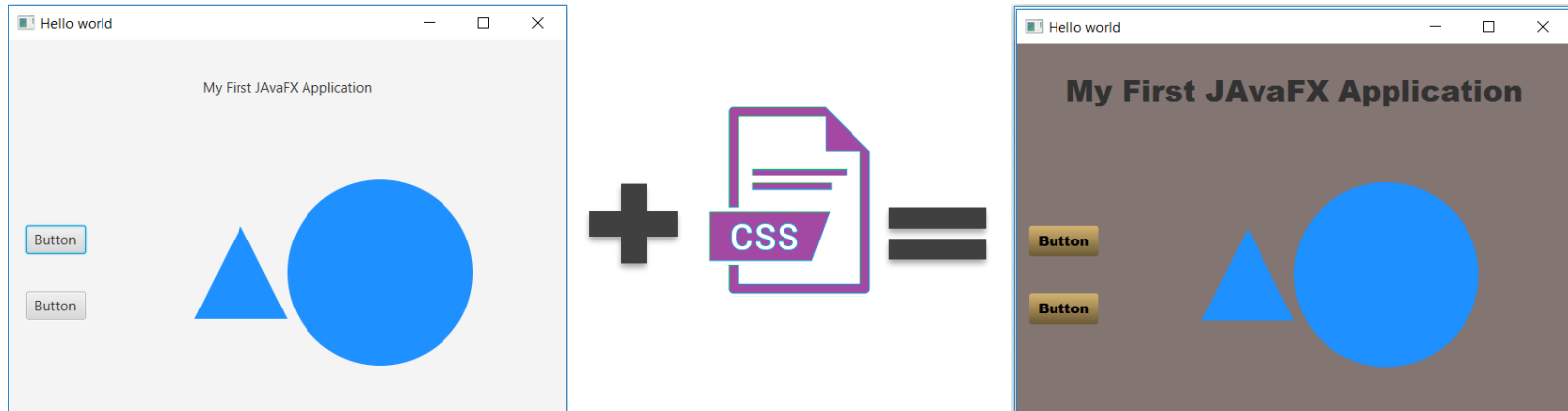
The view references the controller

JavaFX MVC DEMO

CSS in JavaFX

Cascading Style Sheets

- Design language
- Enables the separation of presentation and content
- Widely used to handle the look and feel part of web pages

- Also can enhance the JavaFX GUI applications

JavaFX CSS DEMO

"Existen tres posibles respuestas a un diseño:
Si, No y WOW!.
WOW es a lo que hay que aspirar."

Milton Glaser, diseñador gráfico