

Week 5: b. MVC example

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Model-View-Controller (MVC) Design Pattern

TA Exercise
1. percentage pie chart
2. color chooser (MVC together)

MVC

Based on the **divide and conquer** principle:

Model

Holds the abstract data (e.g. a number) and methods to handle it.

View

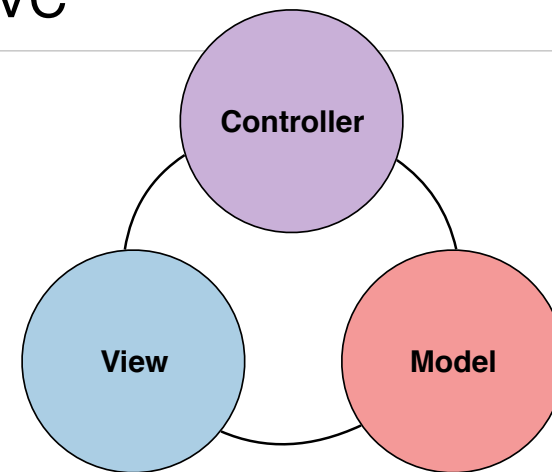
Defines the visual representation of a data (e.g. a slider to represent a number).

Controller

Manages the user input and sets the application behavior (e.g. adds a listener to the slider that updates the number).

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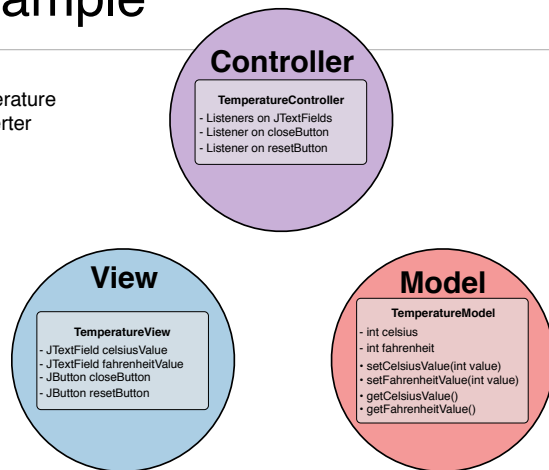
MVC



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Example

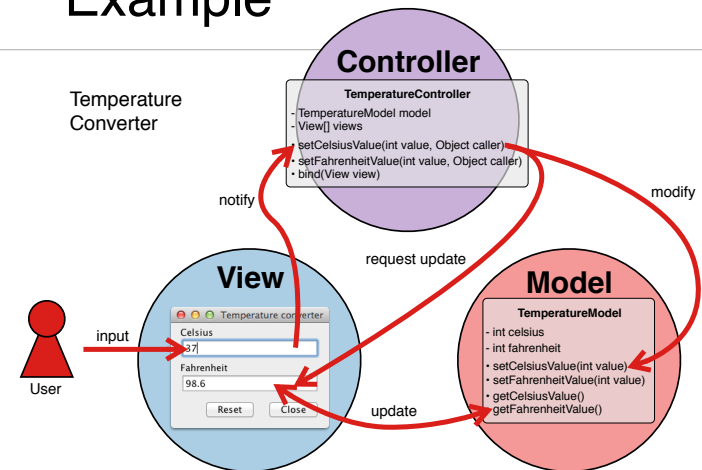
Temperature Converter



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Example

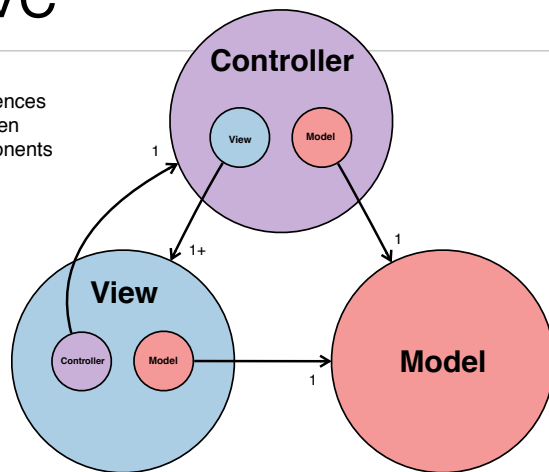
Temperature Converter



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MVC

References between components



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In-class exercise

In-class exercise

Go to our website:

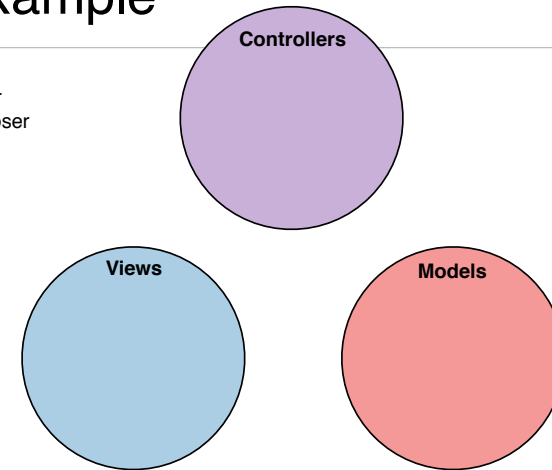
<http://www.lri.fr/~anab/teaching/HCID-ProgIS-2015/>

we start will start with TA on Colour Chooser

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Example

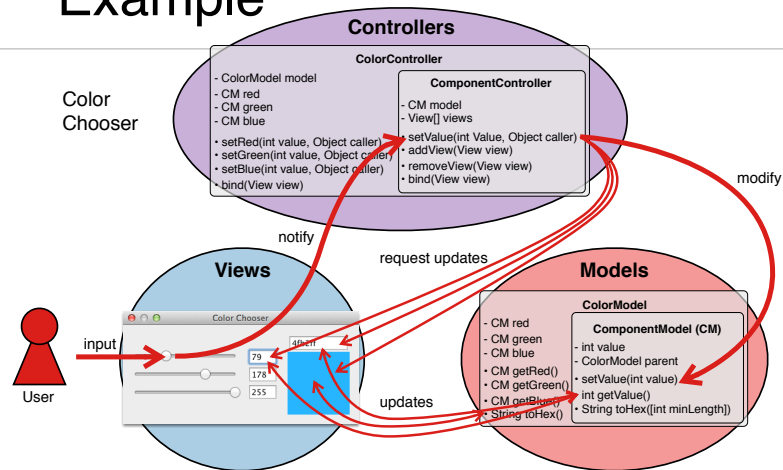
Color
Chooser



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Example

Color
Chooser



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