

Form Generator: Putting It All Together

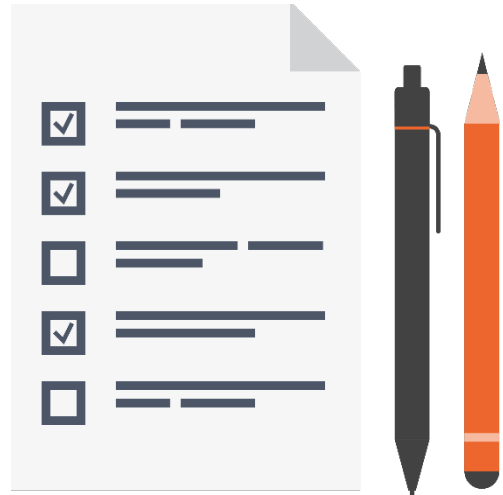


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Form Generator: Putting It All Together



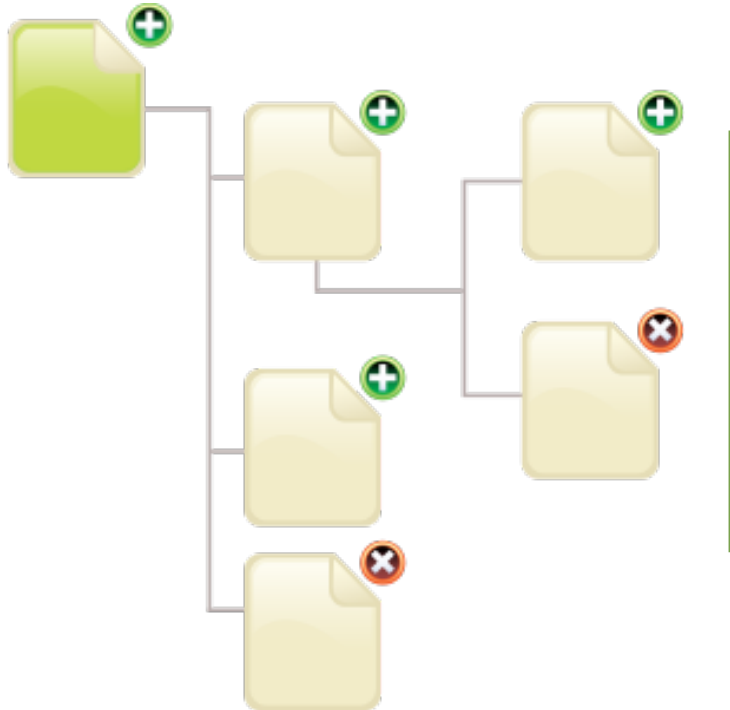
Application flow
Class reviews
MVC design pattern
Controller layer
Model layer
View layer
Best practices

The Big Picture: Application Flow



The directory structure
An MVC implementation
Controllers
Models
Views

The Directory Structure



Design concept
Relationships

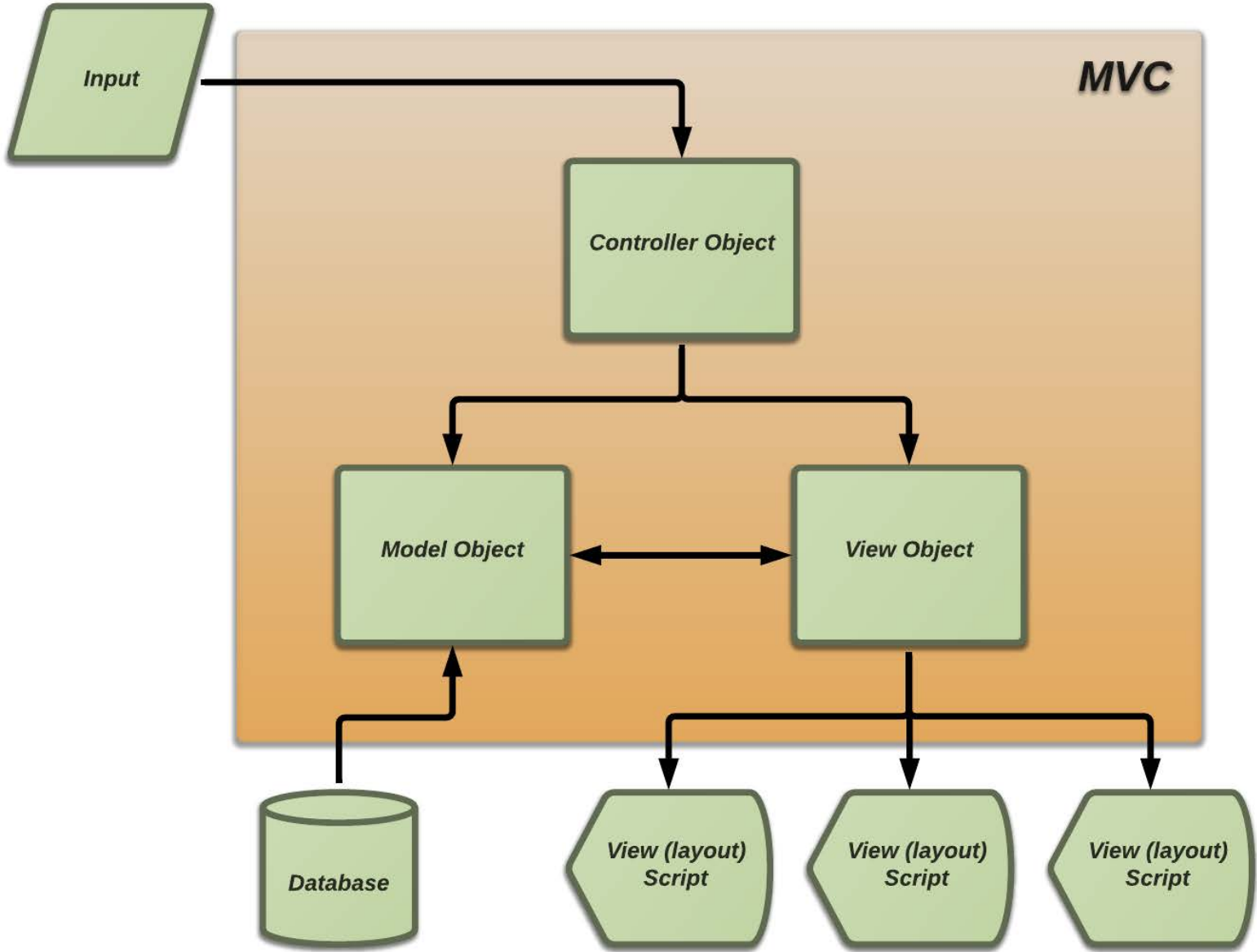
IDE place holder

An MVC Implementation

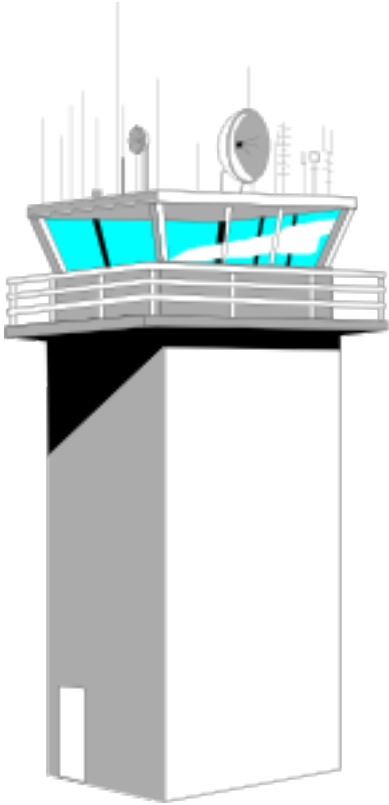


MVC design pattern
Models, views, and controllers

MVC Design Pattern

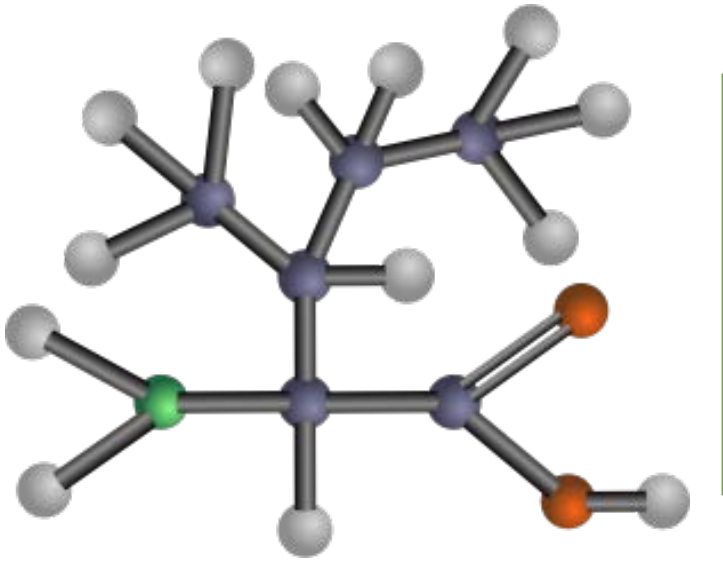


Control Layer



Handles request data
Sets up other components
Directs activities of other
components

Model Layer



All about data
Data retrieval responsibility

View Layer



Variable containers
Tailors output to various sources

File Reviews



Application configuration

The controller

The model

The view

Application Configuration



Centralized configuration
Application level configuration

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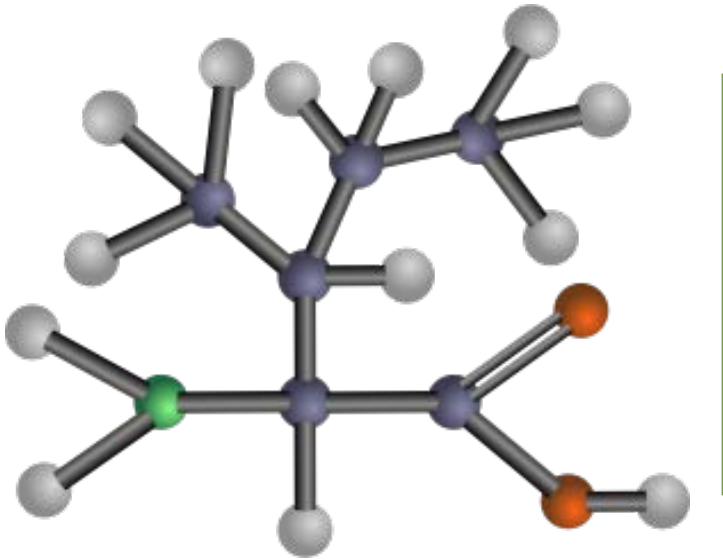
The Controller



Initializes the application
Handles the request

IDE place holder

The Model



Interacts with the data source
Provides tailored results

IDE place holder

The View



Variable container
Generates output with layouts

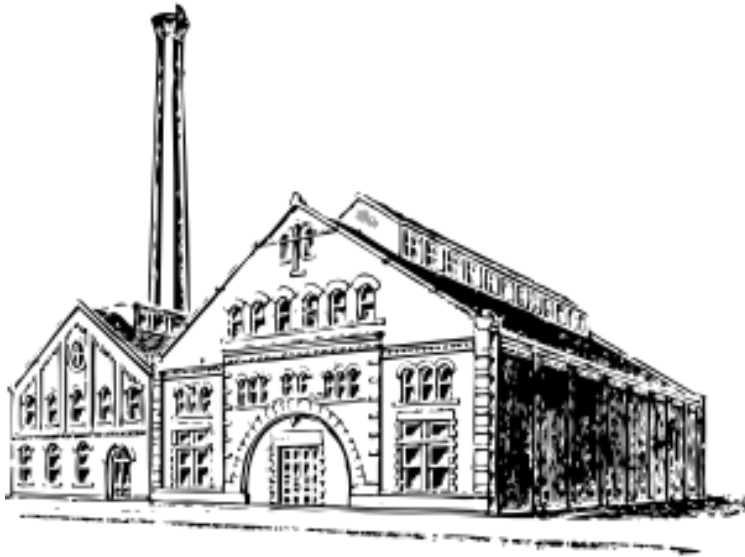
IDE place holder

File Review (continued)



Object factory service
The form class
Input classes
Validators
Layouts

Object Factory Service



Static methods and properties
Class factory for singletons

IDE place holder

Form Class



A diagram of a form class, represented as a light gray rounded rectangle with a darker gray border. Inside the rectangle, there are six text labels followed by horizontal input fields: "Name", "Second name", "Initials", "Address", "Tel", and "Email". Each label is positioned to the left of its corresponding input field. A thin green vertical line is positioned to the right of the form class diagram.

Provides form tags and attributes
Generates fields
Directs input validation

IDE place holder

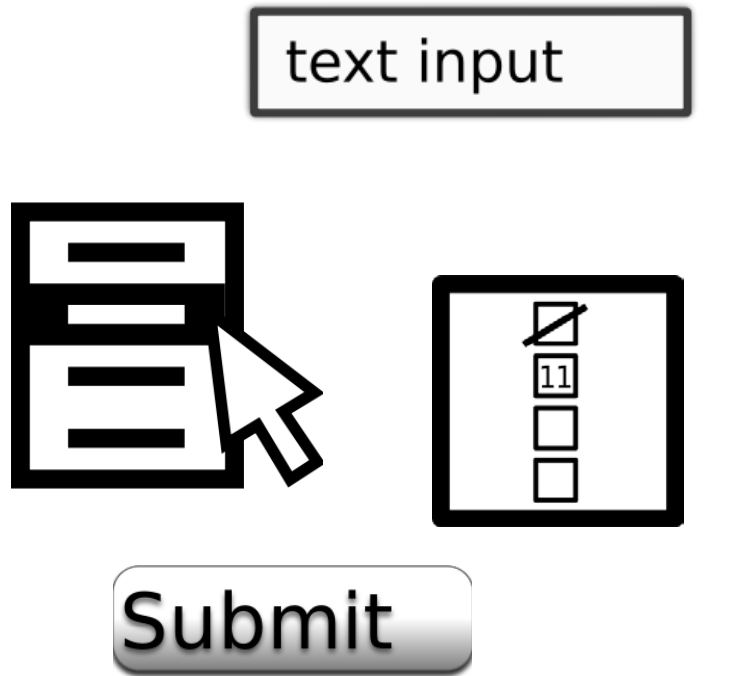
Session Class



Wrapper for `$_SESSION`
Handles session requirements

IDE place holder

Input Classes



Text
Check box
Select/Option
Submit

IDE place holder

Validators

True/False



Boolean
Email
In Array
String length

IDE place holder

Layouts



Register
Thanks

IDE place holder

Register Form Generation Walk Through



Initialize the form generation
Interact with a database table
Provide the response

IDE place holder

Register Form Process Walk Through



Receive the request
Validate the input
Save the new user
Generate a thank you

IDE place holder

Module Summary



The form generation application
MVC design pattern
Class definitions
Walk through