Master Class: Taking MATLAB Development to the Next Level
Model View Controller

MODEL

updates

manipulates

VIEW

sees

uses

CONTROLER

USER
Small Scale – Model View Controller

Files on your computer

MODEL

MATLAB

Engineer, scientist, quant

Development

VIEW

CONTROLLER
Large Scale – Model View Controller

MODEL

VIEW

CONTROLLER

Infrastructures

On-premises

Private cloud

Public cloud

Backend Sources

Relational, NoSQL, Graph databases. Data Mart/Warehouse/Lake. Big data, Hadoop Cloud data: AWS RDS, Dynamo, Cosmos, S3, BLOB

Operational and transactional systems

Large Scale – Model View Controller
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Matlab Classes

Advanced Software Development

Object-oriented programming; code performance; unit testing; external interfaces to Java®, C/C++, .NET and other languages

The high-level language in MATLAB® includes features for developing and sharing code, such as error handling, object-oriented programming (OOP), and a unit testing framework. You also can integrate MATLAB applications with those written in other languages.

Creating Classes
Create new types of objects to use in MATLAB

Calling External Functions
From within MATLAB, call functions in other languages, such as Java, C/C++, .NET, and Python®

Calling Web Services
From within MATLAB, communicate with Web services

Toolbox Distribution
Create and share toolboxes; add documentation

Exception Handling
Capture and retrieve data on causes of errors
Table Filter

MODEL
Table Data Filters

updates

views

VIEW
Table View
Plots

manipulates

uses

CONTROLLER
Filter Settings

USER
updates

manipulates
Takeaways

- Advanced Software development means ‘Think how you will use your tools’
- Organise your work (save time)
- Think of the future
- Ask for advice
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MathWorks Consultants

- Industry-experienced specialists
- “Insider” access to product development
- Experts on using MathWorks tools effectively

Why Choose MathWorks Consulting Services?

- Reduced Development Time
- Reduced learning curve
- Increased Efficiency
- Proven Solutions
Overview of MathWorks World Wide Consulting Services

MathWorks Consulting Services

Get up and running fast. MathWorks Consulting Services - industry experience and MATLAB and Simulink expertise.

Watch video

Questions?
» Contact Consulting

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Getting Started

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