



WEB ENGINEERING

.Net

Week 3 - Day 8



UI

Recap Questions

The following questions will be asked to the participants for review:

What is

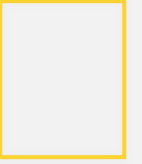
- jQuery Syntax
- jQuery Selectors
- Manipulating HTML DOM with jQuery
- CSS Manipulation
- Animation (fade, slide, hide, show)

Learning Objectives

By the end of this session, the students will have developed an understanding of:

- ▶ Creating a rich user interface using jQuery UI





jQuery UI Widgets

Widgets

Widgets are feature-rich, stateful plugins that have a full life-cycle, along with methods and events. These are the most used widgets:

Accordion

Progress Bar

Autocomplete

Tabs

Dialog

Tooltip

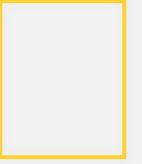
Button

Slider

Date Picker

Spinner

Menu



jQuery UI Effects

Effects

The internal jQuery effects contain a full suite of custom animation and transition for DOM elements.

jQuery UI adds support for animating colors and class transitions, as well as providing several additional easings.

Hide

Show

Add Class

Remove Class

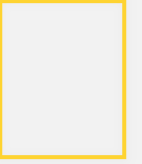
Switch Class

Toggle Class

Color Animation

Effect

Toggle



jQuery UI Utilities

Position

It is used to set the position of the element.

Homework

Students will practice exercises of the topics covered today from this link:

[jQuery DOM Practice Exercises](#)

&

<https://api.jquery.com/animate/>



Learning Objectives

By the end of this session, the students have practised

- ✓ Hide/Show, Fade, and Slide
- ✓ jQuery Animation
- ✓ Manipulating CSS with jQuery
- ✓ Creating a rich user interface using jQuery UI

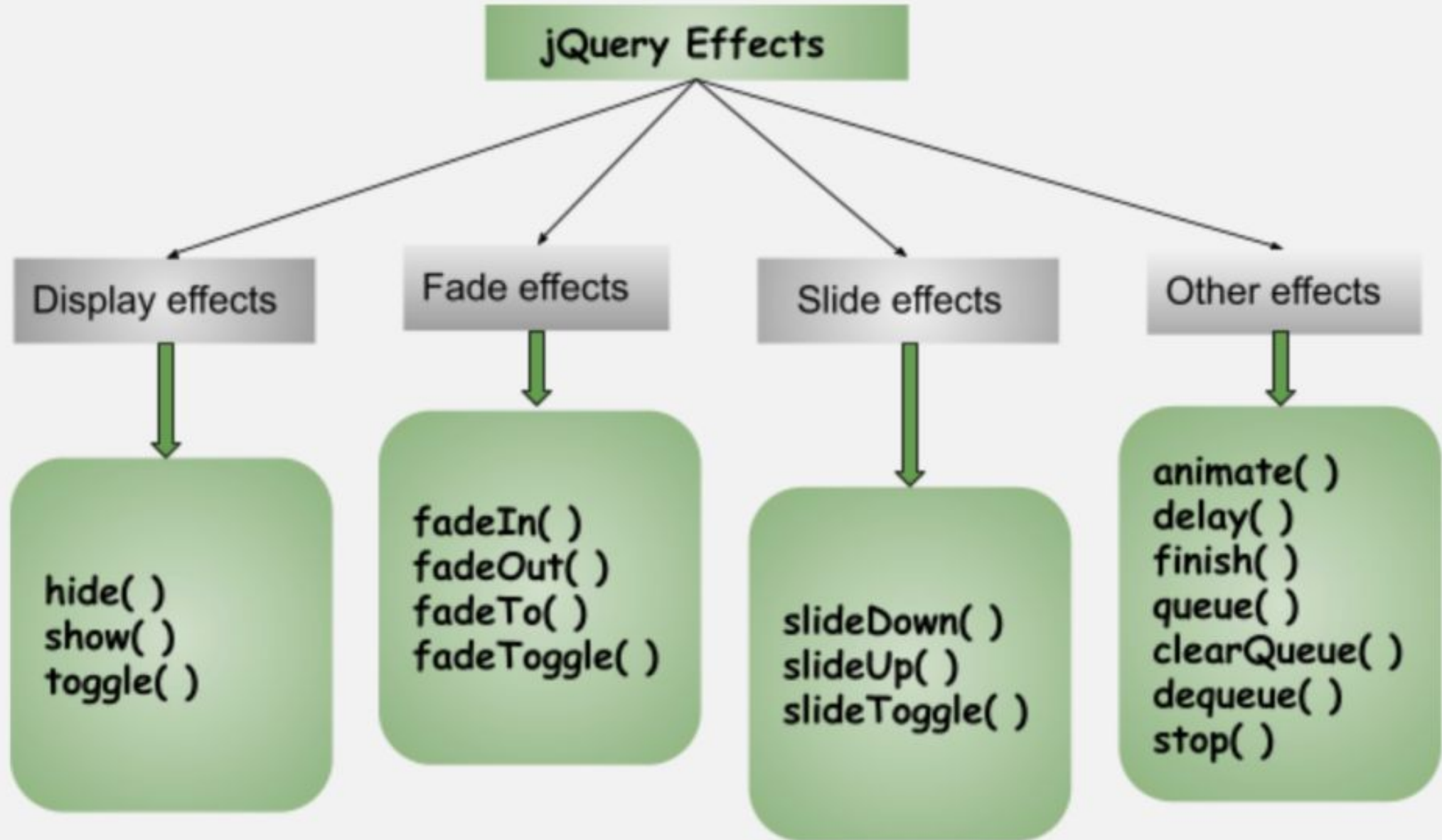


Recap Questions

The following questions will be asked to the participants for review:

What is

- jQuery Animation
- Fade
- Hide
- Slide
- CSS Manipulation





Visual Studio 2019 : Basics

Learning Objectives

By the end of this session, the students will have developed an understanding of:

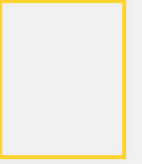
- ▶ Your First VS2019 Project - Console Application
- ▶ Developing, Executing and Debugging Application



This presentation includes:

- Create a Visual Studio project.
- Create a C# console app.
- Debug your app.
- Close your app.
- Inspect your complete code.

Create a Simple C# Console

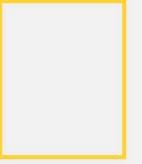


Create a Project

Create a Project

Click on the following links to view and practice the code step by step:

- [How to create a project](#)

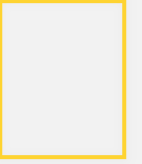


Create the App

Create the App

Click on the following links to view and practice the code step by step:

- [Explore integer math](#)
- [Add code to create a calculator](#)
- [Add decimal functionality](#)

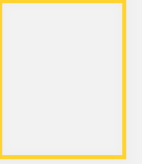


Debug the App

Debug the App

Click on the following link to view and practice the code step by step

- [Debug the App](#)
- [Fix the "divide by zero" error](#)
- [Fix the "format" error](#)
- [Revise the code](#)



Close the App

Close the App

Click on the following link to view and practice the code step by step

- [Close the app](#)
- [Add Git Source Control](#)
- [Review: Code Complete](#)

Homework

Students will practice exercises of the topics covered today from this link:

[Extend C# console app and debug in Visual Studio](#)



Learning Objectives

By the end of this session, the students have practised

- ✓ Your First VS2019 Project - Console Application
- ✓ Developing, Executing and Debugging Application



Conclusion & Q/A

See you tomorrow!