

MVC 4 & Mobile Devices

Mobile Views and Display Modes

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Topics







- **New project templates**
- **Mobile views**
- **Browser overriding**

New ASP.NET MVC 4 Project



Project Template

Select a template:

 Empty	 Basic	 Internet Application	 Intranet Application
 Mobile Application	 Web API		

Description:

An ASP.NET MVC 4 project for mobile devices with an account controller that uses forms authentication.

View engine:

Razor

☐ Create a unit test project

Test project name:

MvcMobile.Tests

Test framework:

Visual Studio Unit Test

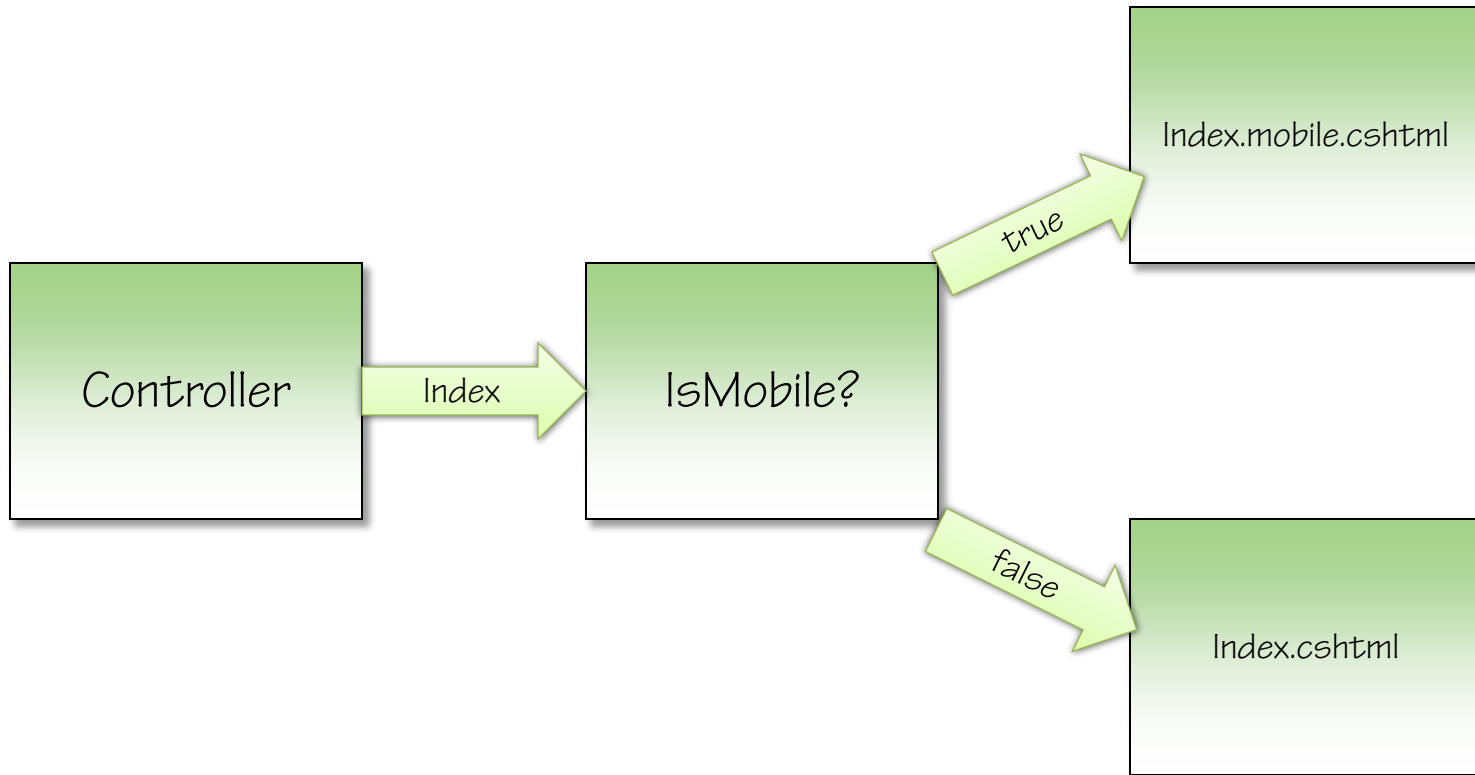
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OK

Cancel

Display Modes

- **View rendered depends on browser making the request**
 - Applies to layout, content, and partial views



DisplayModeProvider

- Holds registered IDisplayMode collection
 - Runtime will query each display mode for opportunity to override view

```
private void AddDisplayModes()
{
    DisplayModeProvider.Instance.Modes.Insert(0,
        new DefaultDisplayMode("Mobile")
        {
            ContextCondition = c => c.Request.Browser.IsMobileDevice
        });
}
```

Browser Overriding

- **Override the user agent for a given user session**
 - Useful for “View The Mobile Version” type links

```
case "mobile":  
    HttpContext.SetOverriddenBrowser(BrowserOverride.Mobile);  
    break;  
  
case "desktop":  
    HttpContext.SetOverriddenBrowser(BrowserOverride.Desktop);  
    break;
```

Summary

- **Mobile template**
- **Display Modes**
- **Browser Overriding**
- **See jQuery Mobile and MVC 4 for more**