

Enhancing the Application with Ajax



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To-Do List



Understanding Ajax in MVC

Demo: Working with Razor Ajax Helpers

Demo: Custom Ajax Features with jQuery

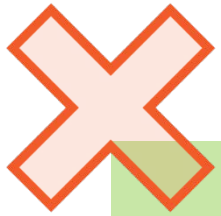
Demo: Enhancing the Task Form Using Ajax



Understanding Ajax in MVC



Ajax in Web Forms and MVC



Ajax and Web Forms



Ajax and MVC

Handling `HttpRequests` with `Action Methods`

`localhost/Task/Create`

Full Page Request

`localhost/Task/GetSuggestions`

Ajax Request for Form Auto Complete

```
public class TaskController {  
  
    public ActionResult Create()  
    {  
        return View();  
    }  
  
    public ActionResult GetSuggestions()  
    {  
        return View();  
    }  
  
}
```



The Razor View Engine and Ajax



```
<div class="form-group">
    @{
        var options = new AjaxOptions(){
            HttpMethod = "Post",
            InsertionMode = InsertionMode.ReplaceWith
        }
    }
    @Ajax.ActionLink("Send Another", "Suggestion", options)
</div>
```

Ajax Options

An object required by Razor Ajax Helpers to configure request and response behavior



```
<div class="form-group">
```

```
    <form action="/Home/Suggestion" data-ajax="true" data-ajax-method="Post" data-ajax-mode="replace-with" data-ajax-update="#suggestionWidget" id="form0" method="post">
```

```
</div>
```

Unobtrusive Ajax

Data attributes rendered by Ajax Helpers are utilized by the unobtrusive Ajax libraries



Working with Ajax in MVC



Summary



**Razor Ajax Helpers Can Streamline
Certain Scenarios**

**MVC Features Strong Ajax Support with
or Without Helpers**

**Action Methods Can Return Different
Types of Results with Ease**



The Final Stages

