



# WEB APPLICATION ARCHITECTURES





# Dynamic DOM objects

## Objectives

In this exercise you use JQuery to add elements to a page

## Reference material

This exercise is based on material from the “Dynamic DOM Objects” chapter.

## Overview

- In this exercise you will experiment adding DOM objects to web pages

## Estimated duration

The estimated duration for this lab is 30 minutes.

## Completed solution

There is a completed solution for this lab.

## Step by step instructions

1. Create a new web site and open it in Code, then add an empty HTML page.
2. Create a `<div>` with an id of “names”. Leave this `<div>` empty for now.
3. Create a new `<form>`, which contains one `<input>` with a type of “text”, and one `<input>` with a type of “submit”. Add text to the form which prompts the user to enter a name into the text box.
4. Create a `<script>` section in the `<head>` of the document. Into this, add a function called `addName()`. This function should:
  - a. Use jQuery to extract the name the user has entered. Hint: you’ll need to ensure the `<input>` with a type of “text” has been given an ID, then you can use that ID with a # sign as the jQuery selector.
  - b. Use jQuery to append the following to the “names” div:

```
<div>The new name</div>
```

    - “The new name” should be replaced by the name the user entered
  - c. Return false
5. Add an “onsubmit” attribute to the form as follows:

```
onsubmit="return addName()"
```



6. Test that your code works up to this point. You should be able to add as many names as you like to your list of names
7. Add some more code to the `addName()` method which formats the list of names, so that every alternate name has a different format (perhaps a yellow background) – use the example code in the slides for chapter 2 to guide you on how to do this.
8. Add any extra styling, etc, that you want to make your page look more attractive.

