

- Create a simple todo list web application
 - Practice using AJAX
 - Clone the starter code from github
 - Complete the functionality of the todo list

- We have set up a public repository containing a basic Java web application¹
- You can clone this project and import to Eclipse as you have done previously
- Make sure you are in the Java EE perspective (upper right corner)

¹<https://github.com/marks1024/dynamic-todo-list-exercise-361>

- The sample application allows the user to view a todo list and update the list with a new item
- Your task is to make this a fully functioning todo list
 - Add a new button that will allow the user to clear the entire todo list
 - Add the ability to delete individual items that are currently in the todo list
 - Validate the todo list items using a reasonable regular expression
 - **Bonus** Incorporate templating, as described above, in your solution (see next slide)
- Deploy your application and show to teaching staff when finished
- You will need to edit code on both the front-end and server side

```
// Create a template function
var listTemplate = _.template('<p><%= name %></p>');

// ...
// Use the template function
$('#maindiv').append(listTemplate({name : e}));
```

- A *template* is a special function that performs string interpolation
 - String interpolation: create a string by substituting for placeholder values
- In the example, we use `lodash2` (a utility library for javascript) to create a template function
- The template function takes a javascript object as an argument

²<https://lodash.com/docs/#template>