

## Exercise

- 1- Add DataTable plug-in to the list of movies so we get searching, sorting and pagination out of the box.
- 2- DataTable should be fed using the API you built in the last section (/api/movies).
- 3- Remember to remove all the code for rendering the list of movies on the server. (That includes both the controller and view code).
- 4- This exercise requires modifying the movies API to return genre. So you need to create a separate DTO for that and configure AutoMapper accordingly.
- 5- Add a delete column with a link to delete a movie. Use Bootbox to display a confirmation box and use jQuery to call the movies API.

## Approach

**As always, one step at a time.**

- 1- Add the DataTable plug-in first without using the movies API as the data source. Ensure the plumbing code works even when you generate the movies on the server. If that works, then modify the DataTable configuration and supply an AJAX source.
- 2- Modify the DataTable to use movies API as its data source. Do not worry about deleting movies. Do not worry about eager loading genres. Just ensure that you can get a simple table rendering with what you currently get from movies API.
- 3- Once that works, return genre from movies API and add it in the table.
- 4- Add a delete button in the third column of the table. Use native JS confirm method and make sure when you call the delete link, confirmation box is shown. Do not worry about calling the API.

# Client-side Development

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- 5- Once that works, call the API to delete the movie.
- 6- Once that works, replace the native JS confirmation box with Bootbox.
- 7- Finally, remove the corresponding record from DataTable.