

ASSESSMENT 5

Task: Create a service that offers a list of movies to a component.

Build Specifications:

- Create an interface named **Movie**. It should have two properties
 - title: a string
 - releaseYear: a number
- Create a service named “**movie**” service (i.e. **MovieService** class).
 - MovieService contains an array of **Movie** objects called **movies**. You must specify the TypeScript type on this array using the **Movie** interface.
 - The two objects in movies are the following:
 - i. { title: "Toy Story", releaseYear: 1995 }
 - ii. { title: "Forrest Gump", releaseYear: 1994 }
 - MovieService has a method named **getMovies** that takes no parameters and returns the movies array.
- Create and display a component named **movie-list**.
 - The component must have MovieService injected as a dependency.
 - The component will have a property called movies that is initialized to the array of movies from MovieService.
 - The component displays each movie in a <section> element that displays the title and releaseYear property of each movie (using ngFor).



TESTS

Overview: This challenge contains 10 tests. Below you will find a description of each test and what is being checked.

Test Cases:

1. **Movie** interface has been declared with the correct title and releaseYear properties.
2. **MovieService** has been declared.
3. MovieService contains an array called **movies** declared with the correct type and which contains two objects.
4. MovieService has a single method: **getMovies** which returns the array called movies.
5. The **movie-list** component has been declared.
6. movie-list has the MovieService injected.
7. A property called **movies** in the movie-list component is initialized to the array from MovieService.
8. The movie-list component has been referenced within app.component.html.
9. The ngFor directive has been used to display a **<section>** element for each object in the movies array
10. Each **<section>** has inner text that corresponds to the name and releaseYear year of each movie in the array.

