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working-movie-app-solved.html
//
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Favorite Movies</title>
    <style type="text/css">
      button,
      div,
      form,
      input {
       margin: 10px;
      }
    </style>
  </head>
  <body>
    <div class="container">
      <h1>Movie Search</h1>
      <!-- Rendered buttons will get dumped Here -->
      <div id="buttons-view"></div>
      <form id="movie-form">
        <label for="movie-input">Add a Movie Bro</label>
        <input type="text" id="movie-input"><br>
        <!-- Button triggers new movie to be added -->
        <input id="add-movie" type="submit" value="Add a Movie Bro">
      </form>
      <!-- Movies will get dumped dere -->
      <div id="movies-view"></div>
      <script src="http://code.jquery.com/jquery-2.1.3.min.js"></script>
      <script type="text/javascript">
        // Initial array of movies
        var movies = ["The Matrix", "The Notebook", "Mr. Nobody", "The Lion King"];
        // displayMovieInfo function re-renders the HTML to display the appropriate
content
        function displayMovieInfo() {
          var movie = $(this).attr("data-name");
          var queryURL = "http://www.omdbapi.com/?t=" + movie +
"&y=&plot=short&r=json";
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// Creating an AJAX call for the specific movie button being clicked
$.ajax({ url: queryURL, method: "GET" }).done(function(response) {
 // Creating a div to hold the movie
 var movieDiv = $("<div class='movie'>");
 // Storing the rating data
 var rating = response.Rated;
 // Creating an element to have the rating displayed
 var pOne = $("").text("Rating: " + rating);
  // Displaying the rating
 movieDiv.append(pOne);
 // Storing the release year
 var released = response.Released;
 // Creating an element to hold the release year
 var pTwo = $("").text("Released: " + released);
 // Displaying the release year
 movieDiv.append(pTwo);
 // Storing the plot
 var plot = response.Plot;
  // Creating an element to hold the plot
 var pThree = $("").text("Plot: " + plot);
 // Appending the plot
 movieDiv.append(pThree);
 // Retrieving the URL for the image
 var imgURL = response.Poster;
 // Creating an element to hold the image
 var image = $("<img>").attr("src", imgURL);
 // Appending the image
 movieDiv.append(image);
 // Putting the entire movie above the previous movies
 $("#movies-view").prepend(movieDiv);
});
```

}

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        // Function for displaying movie data
        function renderButtons() {
          // Deleting the movies prior to adding new movies
          // (this is necessary otherwise you will have repeat buttons)
          $("#buttons-view").empty();
          // Looping through the array of movies
          for (var i = 0; i < movies.length; i++) {</pre>
            // Then dynamicaly generating buttons for each movie in the array
            // This code $("<button>") is all jQuery needs to create the beginning
and end tag. (<button></button>)
            var a = $("<button>");
            // Adding a class of movie to our button
            a.addClass("movie");
            // Adding a data-attribute
            a.attr("data-name", movies[i]);
            // Providing the initial button text
            a.text(movies[i]);
            // Adding the button to the buttons-view div
            $("#buttons-view").append(a);
         }
        }
        // This function handles events where a movie button is clicked
        $("#add-movie").on("click", function(event) {
          event.preventDefault();
          // This line grabs the input from the textbox
          var movie = $("#movie-input").val().trim();
          // Adding movie from the textbox to our array
          movies.push(movie);
          // Calling renderButtons which handles the processing of our movie array
          renderButtons();
        });
        // Adding a click event listener to all elements with a class of "movie"
        $(document).on("click", ".movie", displayMovieInfo);
        // Calling the renderButtons function to display the intial buttons
        renderButtons();
      </script>
    </div>
  </body>
</html>
```