

Homework 8: Ajax, JSON, Angular, Bootstrap, RWD, Node.js, and Ticketmaster API

Grading Guidelines

Graders will test the homework using the latest version of Google Chrome

Total Points: 15

- **Navbar (0.5 points in total)**
 - The styling of the navbar should be like the reference video - **0.25 points**.
 - The positioning of each element should be as shown in the reference video - **0.25 points**.
- **Autocomplete (1 point in total)**
 - Auto suggestion values should be displayed like the reference video - **1 point**.
- **Routing (0.5 points in total)**
 - Two routes in the address bar should be implemented as mentioned in the homework description - **0.25 points** per route.
- **Events Search Form (2.5 points in total)**
 - The layout of the form should be proper and should contain all the input fields as shown in the reference video - **1 point**
 - Search and Clear button must have hover effect - **0.25 points**
 - Proper error message must be displayed on clicking submit button for invalid/empty inputs - **0.5 points**
 - On clicking clear button, it should reset the events search form and clear out the events search result table - **0.5 points**
 - On checking the auto-detect location checkbox, location field should get clear and disable - **0.25 points**

- Events results table (1.5 points in total)

Display the events information retrieved from the API service in a tabular format as shown in the reference video or homework description

- The result records should be present in the table with the correct headers and no column order mismatch - **0.25 points**
- Data populated in the table should be correctly sorted in ascending order of date/time- **1 point**
- On clicking anywhere in the row, it should direct to the details card with the right event - **0.25 points**.

- Events details card (5.5 points in total)

- The layout of the card should be proper and it should contain Event name, 3 tabs, Favorite icon and a back arrow - **0.25 points**
- Back arrow must be present and should work as expected - **0.15 points**

- Event details tab (1.6 points in total)

- All fields must be present as shown in the reference video or homework description - **0.5 points**
- Ticket status field should be displayed in proper color - **0.2 points**
 - On sale: Green
 - Off sale: Red
 - Canceled: Black
 - Postponed: Orange
 - Rescheduled: Orange
- On clicking the “Buy Ticket At” link, Ticketmaster url should get open in a new tab - **0.2 points**
- Twitter and Facebook icon must be present - **0.2 points**
- On clicking Twitter icon, it should tweet as shown in the reference video or in the snapshot in homework description - **0.2 points**
- On clicking Facebook icon, it should create a post as shown in the reference video or in the snapshot in homework description - **0.2 points**
- Favorite button should be present in the header and on clicking the heart icon, it should turn red and the event should be added to favorite - **0.1 points**

- Artists/Teams tab (1.25 points in total)

- Display a red progress ring around the Popularity number – **0.1 points**.

- Display Spotify Icon under “Spotify Link” that redirects to the Artist’s profile on Spotify - **0.15 points**
 - Show carousel in case there are multiple artists for the same event. On clicking the left or right arrow, the carousel should display details of multiple artists in a rotating queue fashion. – **0.5 points**
 - For events that are not related to music, the Artist/Teams tab should display a “No music related artist details to show” message – **0.5 points**
- Venue Tab (1.25 point in total)
 - Display all necessary attributes related to event’s venue as shown in the snapshot in homework description or the reference video – **0.25 points**.
 - Address field in Venue should be a concatenation of address, city, state, separated by comma - **0.5 points**
 - The “Show More” and “Show Less” buttons should function properly (as shown in the reference video) for the attributes that have lengthy description – **0.5 points**
- Map location modal (1 point in total)
 - The **Map Location modal** should display a Google map with the balloon pointing to the event’s location. You can **only** use the ‘@angular/google-maps’ package to load/display Google Maps. – **0.5 points**.
 - **Close button** – On clicking the Close button, close the modal and display the underlying Venue tab details- **0.5 points**
- List of Favorites (1.5 points in total)
 - Favorite event’s information stored in local storage must be displayed in a tabular format - **0.25 points**
 - For each record, display a proper Trash Icon - **0.1 points**
 - On clicking Trash icon, ‘Removed from favorites’ alert should get displayed and that particular event should get deleted from the table of favorite events - **1 point**
 - If no favorite events are available, display ‘**No favorite events to show**’ message as shown in reference video - **0.15 points**

- Responsiveness (2 points in total)
 - In the mobile browser, the navbar and all routes should be the same as the screenshots provided in the description and the reference video - **1 point**.
 - In the mobile browser, all functionalities must work exactly - **1 point**.

****IMPORTANT****

- You may call the Ipinfo API and Google Geocoding API from Angular, but you should not call the Ticketmaster API directly from Angular. Doing this will result in a **4 points** penalty.
- List of reservations should be retrieved from the application local storage even if the browser is closed and reopened. **2 points** penalty otherwise.
- The window should not reload for any kind of data request. It is a focus on building single-page applications. Refreshing the page will result in a **3 points** penalty.
- You should implement HW8 using a GCP, AWS or Azure cloud service as described in Assignment 7. Otherwise, **4 points** will be deducted. This will be verified with an additional link in the Table of exercises, showing a sample API call to your “cloud” service and verifying the corresponding JSON result.
- **Source code submission**
Submit your source code files to DEN D2L as a single ZIP archive. Include separate subfolders for your frontend and backend source code, plus any additional files needed to build your app (e.g., yaml file). The timestamp of your last submission will be used to verify if you used any grace days. Make sure you don't upload the `node_modules` in the zip file and also make sure `package.json` is included in the zip file.