

Assignment 3: Ajax, JSON and Responsive Design

Grading Guidelines

Total Points: 15

Deduction of points in each category will NOT exceed the total points of the category.

- **Basic Search Form (2.5 points in total)**
 - If any field is missing - 0.25 points/occurrence
 - Form styling and fields placement – 1 points
 - Submit/Clear button icons and styling – 0.5 points
 - The drop-down list should contain all categories - 0.25 points
 - Detect ip when current location is selected -0.5 points
- **Autocomplete (1 point in total)**
 - Autocomplete values should be displayed for the zip code.
- **Product Results (2.5 points in total)**
 - Relevant rows of products should be displayed – 0.5 points
 - Image missing or default image seen – 0.25 points/occurrence
 - Missing Title/ Price/ Shipping/Zip/Seller/Wish List column - 0.5 points
 - Product Image should be clickable - 0.25 points
 - Product Title should be clickable - 0.25 points
 - Pagination functionality should work as shown in the video – 0.5 points
 - Details button enabled, disabled appropriately, and navigate to product details for last clicked product – 0.25 points
- **Product Details (3.5 points in total)**
 - **Product Info tab (0.75 points in total)**
 - The data displayed should be valid - 0.4 points
 - View Product Images Here can be clicked and modal show up -0.1 points
 - Styling and content should be appropriate - 0.25 points
 - **Photos tab (0.75 point in total)**
 - Display all photos as shown in the video - 0.5 points
 - Photos can be opened - 0.25 points
 - **Shipping tab (0.75 points in total)**
 - The table displays information in the specified format - 0.5 points
 - Ticks and crosses displayed correctly - 0.25 points
 - **Seller tab (0.75 point in total)**
 - The data displayed should be valid - 0.25 points
 - Styling, icons, and content should be appropriate - 0.5 points
 - **Show/Hide Button (0.5 points in total)**
 - List button display and navigate to results/wish list properly - 0.25 points
 - Wish List button and Facebook Button - 0.25 points
- **Validation (1.5 points in total)**
 - If keyword is not validated – 0.25 points

- If Min/Max price is not validated – 0.25 points
- If Zip Code is not validated - 0.25
- No Records should be printed when no records are found – 0.25 points
- Clear button should reset the form, empty the results and remove validation errors – 0.5 points
- **Wish List with MongoDB (1.5 points in total)**
 - Implement wish list functionality with MongoDB – 1 points
 - Deploy MongoDB in cloud platform – 0.5 points
- **Responsive (2 points in total)**
 - In mobile browsers, all of the pages should be the same as screenshots provided in the description document – 1 point
 - In mobile browsers, pagination, product details, and all functions must work - 1 point
- **Theme and Styling (0.5 points in total)**
 - 0.5 points can be deducted if the styling is not appropriate for any part of the assignment.

****Additional Requirements****

- All **eBay API** requests must be made on the **server side**. No call to eBay API should be made directly from the client side. Any violation will result in a **4-point penalty**.
- The page should **not reload** for any kind of data request. All transactions are asynchronous. Any page reload/refresh violation will result in a **2-point penalty**.
- You should implement and deploy Assignment 3 using a GCP, AWS or Azure cloud services. 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.
- Both Client front-end and server back-end components must be deployed on the “same” service. No deployment of client front-end should be done on GitHub Pages.
- **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. Notice that each upload to D2L, with wipe out the previous upload.