**Project Report**

**Team Name:** Demon Slayer  
**Group:** SE-2412  
**Members:** Ernar, Ersultan, Ramazan, Sultan

**1. Objective**

The objective of this project is to create an interactive merchandise shop themed around *Demon Slayer*, using advanced JavaScript concepts such as DOM manipulation, event handling, and animations.  
The website provides users with an engaging shopping experience that includes product browsing, rating, theme toggling, and form interactions.

**Implemented Features**

**Manipulation and Styling**

**Ersultan**

**Theme Toggle (Day/Night Mode)**  
A button switches between light and dark themes by toggling CSS classes. The background and text colors change dynamically. A short sound plays when toggled.

A computer screen shot of a program code

AI-generated content may be incorrect.

**Dynamic Product Cards**  
Product cards are generated from a JavaScript array using the .forEach() method.

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* **Read More Toggle**  
  Each product card has a hidden description that appears when the “Read More” button is clicked.

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**Star Rating System**Ernar:  
Users can click stars to rate a product. Active stars change color to indicate selection.  
**A screen shot of a computer program

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**Event Handling**

* **Show Current Time**  
  A button displays the current time using new Date().toLocaleTimeString().  
  **A screen shot of a computer program

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* **Keyboard Navigation**  
  The arrow keys can be used to navigate between category buttons.
* **Filter Products by Category**  
  Users can filter items (e.g., “Swords”, “Clothing”, “Accessories”) using buttons that trigger a switch statement.

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**Contact Form (Callback Simulation)**

**Sultan:**  
The form submits without page reload, showing a success message using a callback.

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**Advanced JavaScript Concepts**

**Objects and Array**A screen shot of a computer

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The .filter() method is used to display products by category.

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AI-generated content may be incorrect. **Sound Effects**

**Ramazan:**  
A simple sound is played for button clicks using the Web Audio API.

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CSS transitions and JavaScript style.transform create smooth effects on hover or when adding an item to the cart.  
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**Deployment**

* The project was pushed to GitHub: https://github.com/LuckyEra-00127/JavaScript-Basics-DOM-Manipulation-Events-.git