**Project Description**

* **System**: A web-based product search page for an e-commerce store.
* **Features**:
  1. A text input field for searching products by name or description.
  2. A results page showing product name, price, and thumbnail image.
  3. Sorting options: Price (low to high, high to low), Name (A-Z).
  4. Filtering options: Category (e.g., Electronics, Clothing), Price range (e.g., $0-$50, $50-$100).
  5. Pagination: 10 results per page with next/previous buttons.
  6. Empty query: Shows all products.
  7. No results: Displays "No results found."
  8. Special characters: Ignored in search (e.g., "Shoe@#$" searches for "Shoe").