# Advanced Web Programming

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Lab 3

# Assignment 1

1. Complete the **Product Category Management** and **"Add New Product Category"** pages in the React TypeScript project.

2. Create **mock (simulated) functions** that return:
   - Category details (Category: id, categoryName, description, createdAt, createdById)
   - Category list
   - A product list (Product: id, title, thumbnail, price, summary, description, stock, categoryId)
   - A news list (Blog: id, title, content, thumbnail, publishedDate, createdById)

3. Retrieve data from these functions and display it on the following pages:
   - Home Page
   - Product Category Page
   - Category Management Page

# Assignment 2

1. Use useReducer to build a **To-do List** web application
Reference HTML code:
[https://www.w3schools.com/howto/howto_js_todolist.asp](https://www.w3schools.com/howto/howto_js_todolist.asp)