

## Initial Requirements Outline:

### Scope List In Scope:

- Homepage, search page, and product design page.
- Connecting the website to a database.
- Implementing basic PHP functionality for search and product display.
- Designing a simple and intuitive UI.

### Out of Scope:

- Advanced user authentication and authorization.
- API integrations with external services.
- Mobile application development.

**Product Requirements** The website will be a simple PHP web application allowing users to browse products. It will feature a homepage, a search page for product queries, and a product design page where users can interact with product options. The site will be connected to a database to retrieve and store product information. Users will be able to navigate seamlessly between pages, search for specific products, and view details.

**Walkthrough Scenario** A user visits the homepage, where they can either browse featured products or enter keywords in the search bar. If they search, they are directed to the search page displaying matching products. Clicking on a product takes them to the product design page, where they can view details and customize options if available.

**System Requirements** The database will store product details, including names, descriptions and images. Queries will retrieve product data dynamically based on user searches. The backend will use PHP to process requests and communicate with the database. The system will be designed to handle multiple concurrent users efficiently.

**GitHub repo:** <https://github.com/DanyilT/WebDev-Project>