

## Report GA05 – Search and Filtering

### 1. Team information.

Team: 3TG

GitHub URL: <https://github.com/lshigami/express-mvc>

Student ID	Fullname	Contribution	Contribution percentage
22120334	Nguyễn Quang Thắng	- Authentication development - Reporting	100%
22120335	Trương Tâm Thành	- Search Implementation - Filter Implementation	100%
22120336	Võ Tuấn Thành	- UI/UX Development - Deployment	100%

### 2. Self-assessment.

ID	Features	Grade	Self-assessment	Notes
1	Implement search functionality for product names and descriptions	2	100%	
2	Combine search with filtering, allowing users to filter based on at least four attributes	2	100%	
3	Add a section for relevant products on each product detail page to increase user engagement	1	100%	
4	Design a home page featuring promotions, featured products, and other relevant elements to attract users	1	100%	
5	Develop a login page as part of the user authentication flow	1	100%	
6	Host the project publicly to allow external access and testing	1	100%	
7	Prepare the UI for a full authentication flow, even if backend functionality is not implemented	Optional	100%	

### 3. Details.

#### - Live website

The website is available at: <https://express-mvc-ga05.up.railway.app/>

#### - Technologies used

- MVC Patterns: Node.js, Express.js, ORM, EJS, CSS, HTML
- Database: PostgreSQL

- Other: Git, GitHub, GitHub Actions, Docker
- **Additional point**
  - Using Docker and GitHub actions for containerizing applications and CI/CD
  - Handle Exception (404, 500 Pages, error messages...)