



# Inflatable Toys - Webshop

*You will have to develop and implement your own database-driven webshop. For this you will have to make use of the Composer dependency manager and develop an advanced database solution for it.*

## **In this assignment you will work with**

- Using Php dependencies with Composer
- Database relations between tables
- Advanced SQL queries
- Frontend/Backend division of responsibilities
- Routing/apache redirect

# Steps involved

## 1) Site map

Layout the entire complex system with a site map. You are also welcome to make rough drawings of screens.

## 2) ER diagram

Plan your data structure with an ER diagram. Include all the data entities you think might be relevant.

## 3) Implement database

Implement the ER diagram structure as tables. Insert foreign key relations.

## 4) Setup Basecamp

Setup the project management tool Basecamp. Free for students: <https://basecamp.com/>

## 5) GitHub setup

Create a new repository for this project and make your first commit. Include a .gitignore file to ignore the vendor folder so its content won't be committed to GitHub.

## 6) Install composer

Follow the instructions on <https://getcomposer.org/> and install Composer on your machine.

## 7) Install Database Query Builder

Use composer to install the query builder.

<https://github.com/envms/fluentspdo>

(composer require fpdo/fluentspdo;)

## 8) Install Cart library

Use composer to install the cart library

<https://github.com/mike182uk/cart>

(composer require mike182uk/cart)

## 9) Install Routing

Use composer to install the routing library

<https://github.com/dannyvankooten/AltoRouter>

(composer require altorouter/altorouter)

# Requirements

*Your webshop must include the following:*

- product list
  - show products in grid
  - filtering
  - sorting
- product details page
  - name
  - description
  - image
  - details
  - buy button
- cart
  - show cart
  - adjust amounts
  - remove from cart
  - save in session or local storage
- menu
  - only show categories with active products
- admin
  - add new product
  - edit product
  - make active/inactive
  - upload product image