**ASSIGNMENT 2 FRONT SHEET**

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| **Qualification** | **BTEC Level 5 HND Diploma in Computing** | | |
| **Unit number and title** | Unit 16: Cloud Computing | | |
| **Submission date** |  | **Date Received 1st submission** |  |
| **Re-submission Date** |  | **Date Received 2nd submission** |  |
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| **Student declaration**  I certify that the assignment submission is entirely my own work and I fully understand the consequences of plagiarism. I understand that making a false declaration is a form of malpractice. | | | |
|  |  | **Student’s signature** |  |

**Grading grid**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| P5 | P6 | P7 | P8 | M3 | M4 | D2 | D3 |
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| **❒ Summative Feedback: ❒ Resubmission Feedback:** | | |
| **Grade:** | **Assessor Signature:** | **Date:** |
| **Internal Verifier’s Comments:** | | |
| **Signature & Date:** | | |

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# Introduction:

In the previous paper, we discussed some key concepts of cloud computing. This essay will illustrate how to create a web application in the cloud using the approach offered in the previous report. The web application will be built with NodeJS and will use MongoDB as its database. The web will be deploy on internet with Render.

# Design:

## Use case diagram:

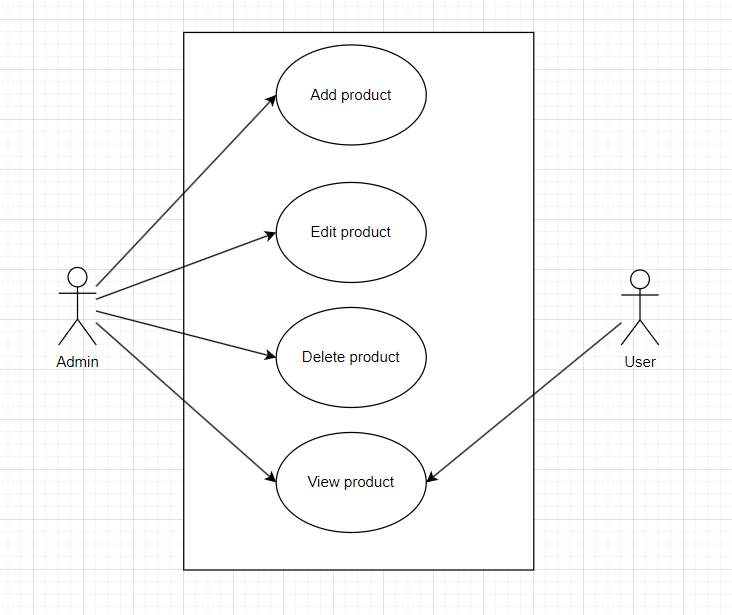


Figure 1: Use case diagram.

* Web application have several functions:
* Add/Update/Delete/View product.

## Website screen shoot:

### Homepage/Index page:

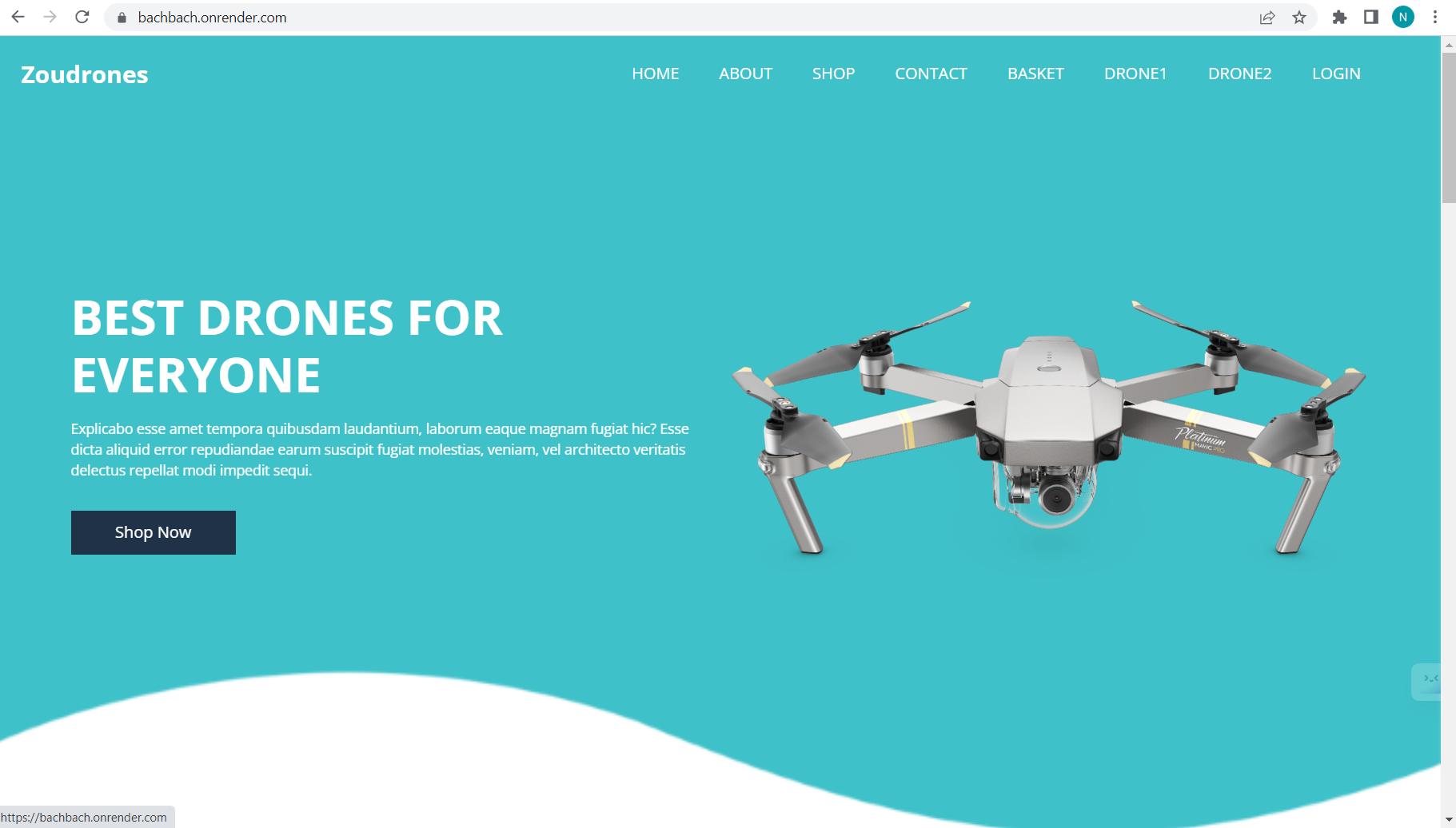


Figure : Home page

* This is the home page of the web site, user can scroll down to see more information.

## About page:

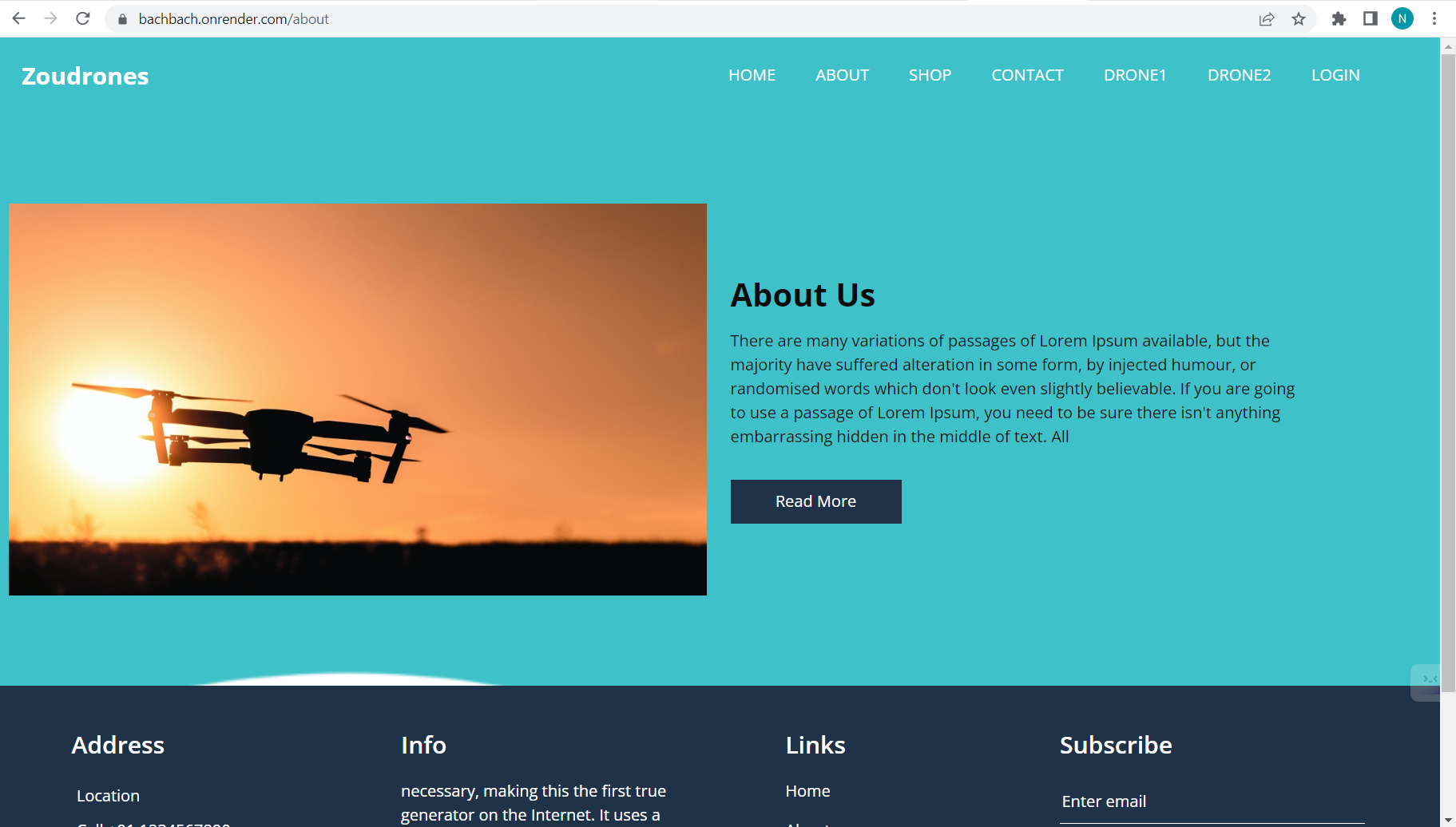


Figure : About page.

* This is the page of the shop information and introduction.

## Shop page:

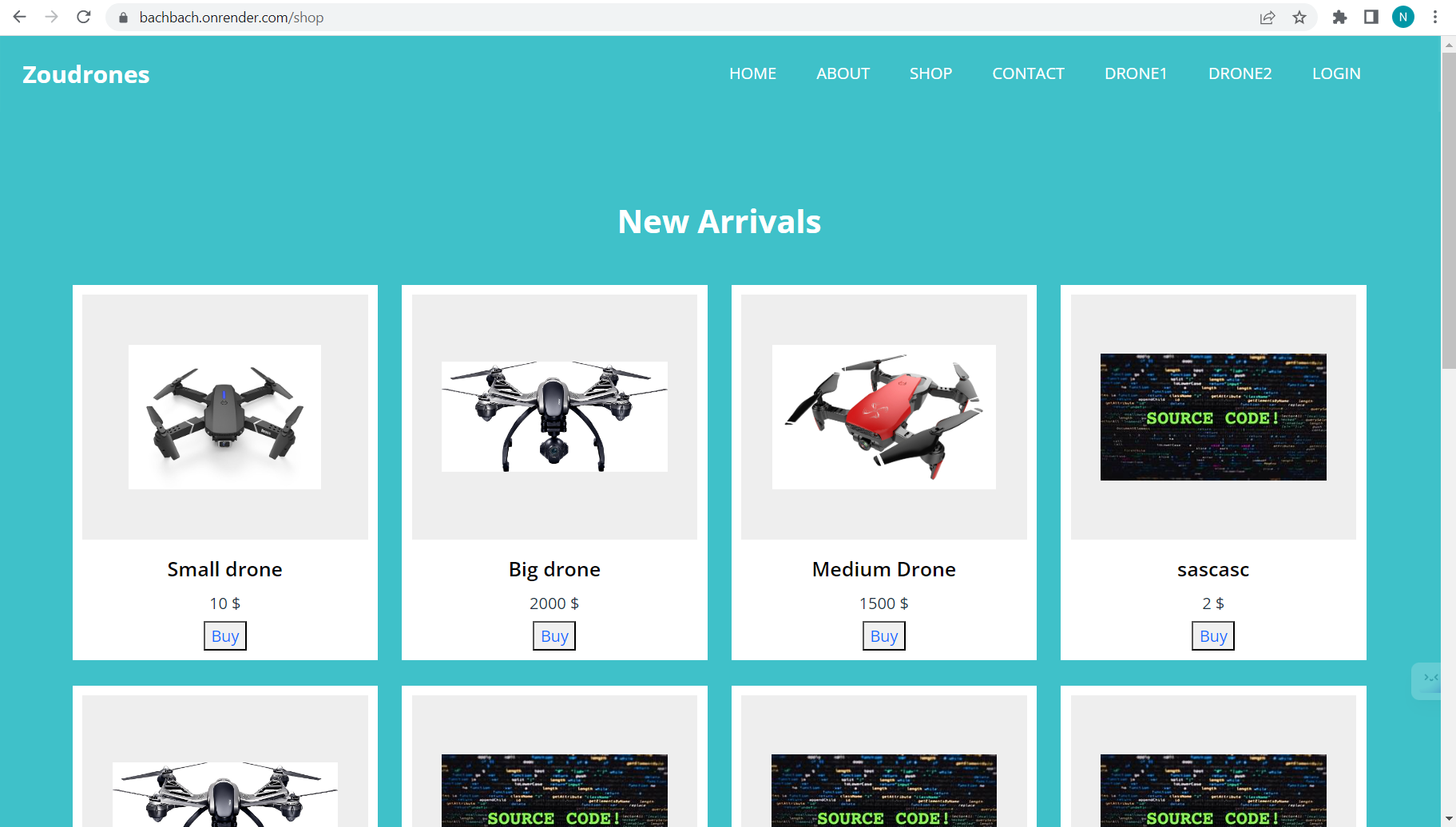


Figure 4: Shop page.

* This is the page that show all products.

## Contact page:

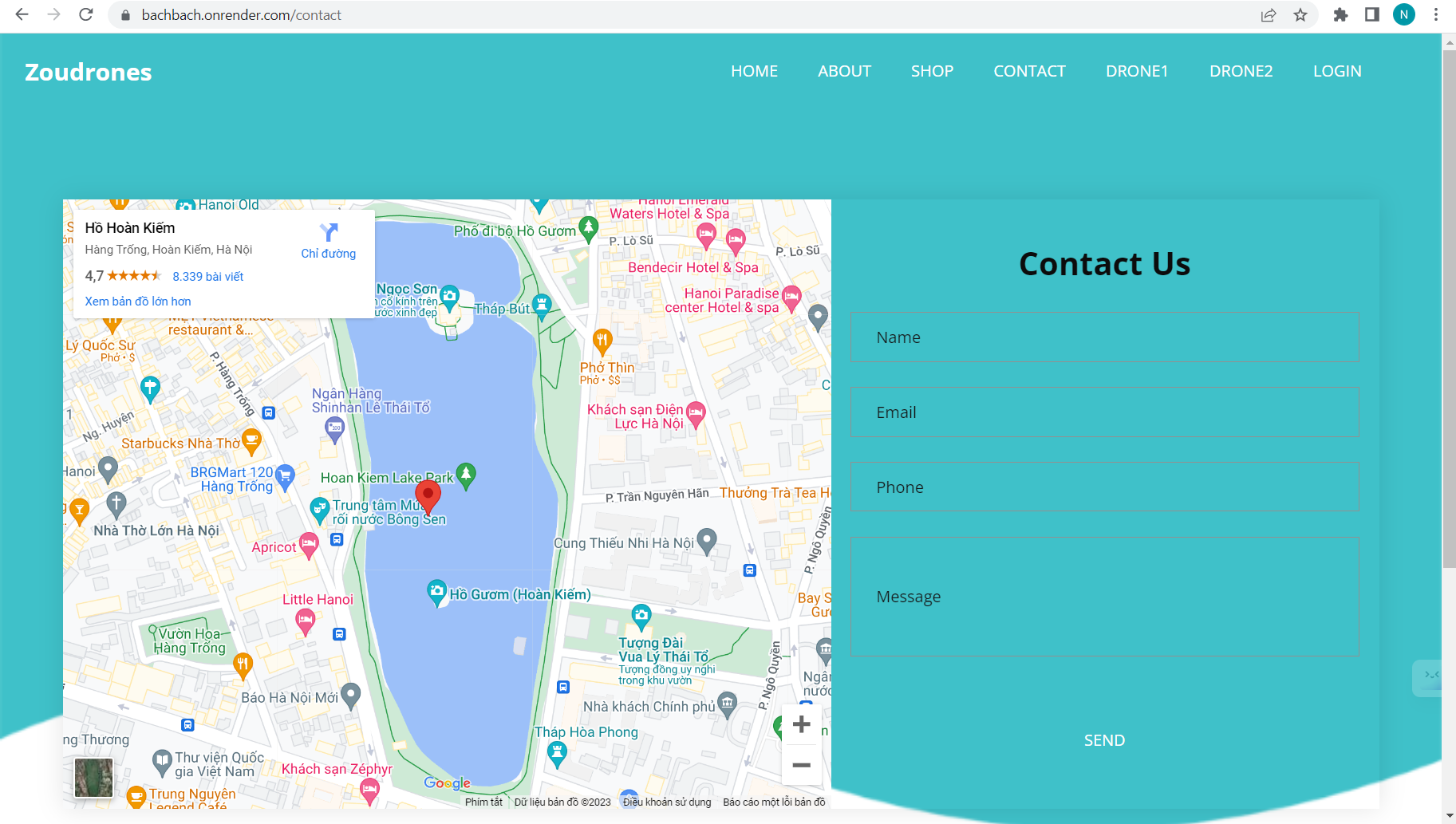


Figure : Contact page.

* This is the page that allow customer to contact the shop and see the shop location.

## Category drone1 page:

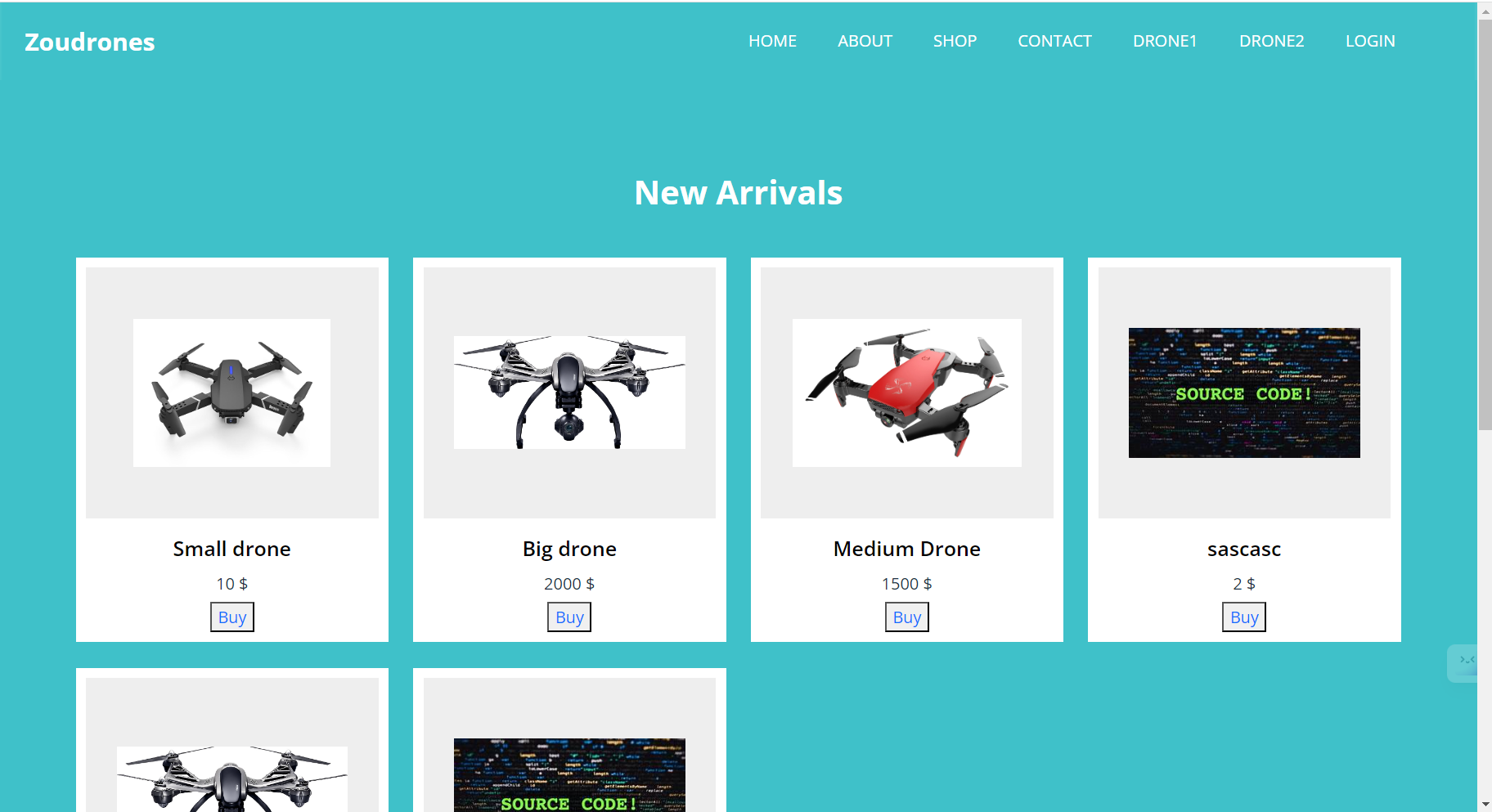


Figure : Category drone1 page.

* This page only show drones that are in category 1.

## Category drone2 page:

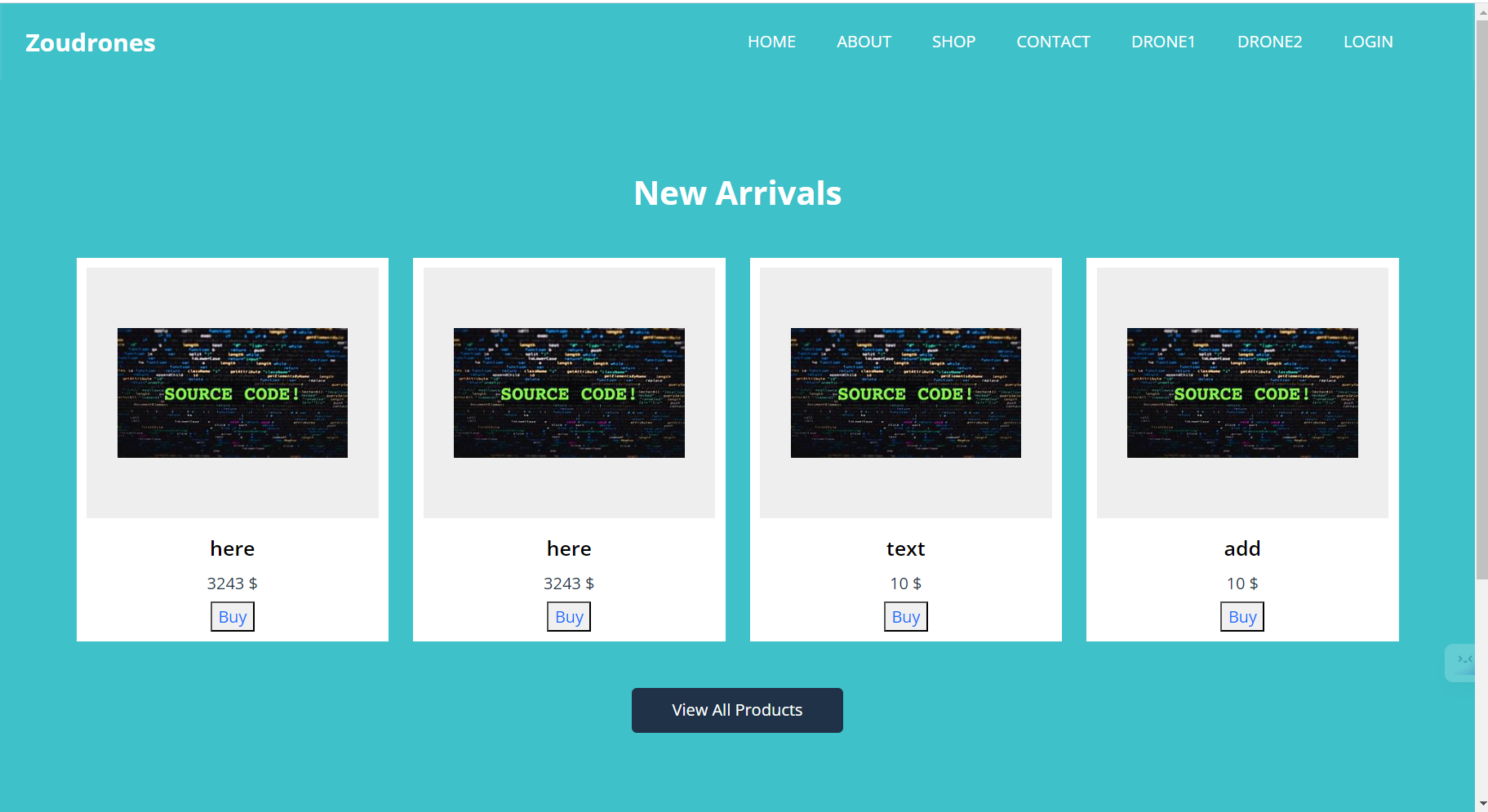


Figure : Category drone2 page.

* This page only show drones that are in category 2.

## Add page:

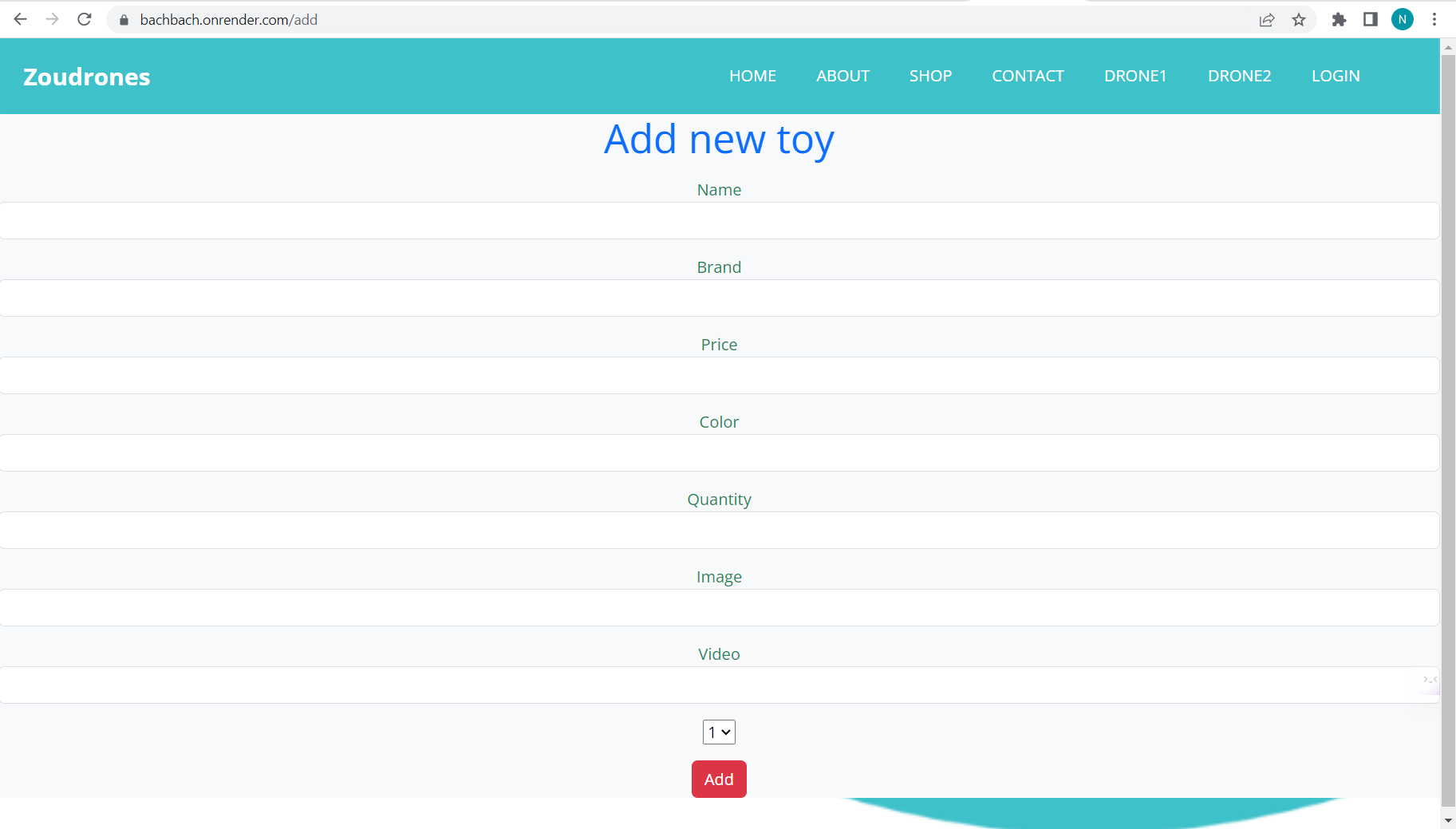


Figure : Add page.

* This is the page for admin to add more products. Admin can add product and choose products category in the drop down box at the bottom.

## List page:

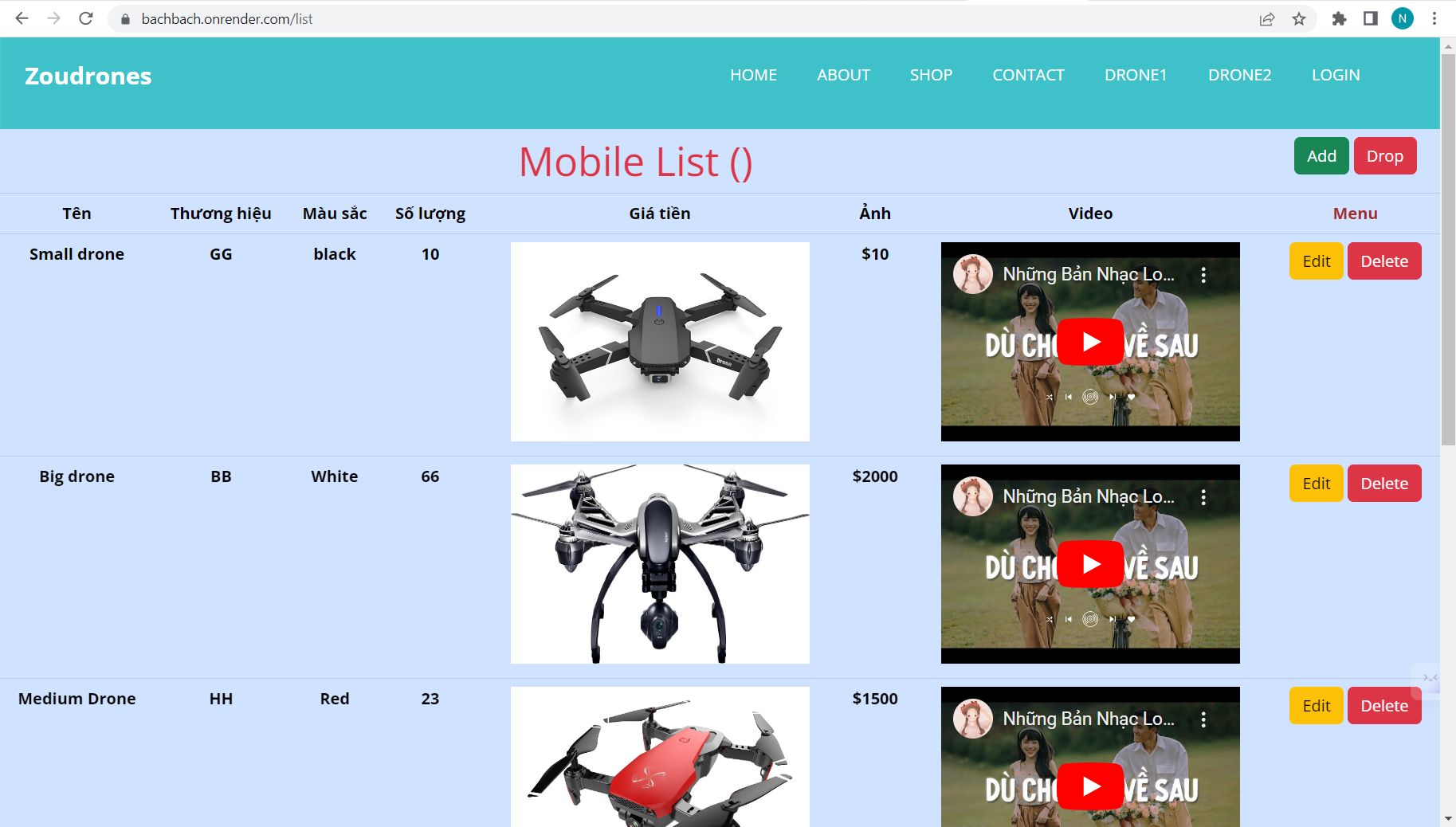


Figure : List page.

* This page allow admin to edit and delete product. The add page will appear if the green “add” button at the right top is clicked. Admin can also delete all products by click on the red “drop” button.

## Edit page: