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| Juiceshop Walkthrough Diploma in CSF  Year 3 Apr 2022 (Semester 5) | Week 2 |
| Practical |
| Frontend Typosquatting | |

**OBJECTIVES**

* To extract information about Juiceshop from public websites
* OWASP vulnerabilities: Using components with known vulnerabilities and Vulnerable and Outdated components (A09:2017, A06:2021)

**Challenge – Frontend Typosquatting**

* To inform the shop about a typosquatting imposter that dug itself deep into the frontend
* Frontend Typosquatting - Difficulty: 5/6 stars

**Step 1**

Firstly, we can once again visit the GitHub code for [Juice Shop](https://github.com/juice-shop/juice-shop). We can see that there is a folder named Frontend, which is where the imposter is said to be located at, and it has a package.json file which should contain all the dependencies that Juice Shop uses on its website.

Graphical user interface, text, application, email

Description automatically generated

**Step 2**

Scrolling down the list of dependencies we can see that Juice Shop uses a lot of Angular frameworks. On line 38 however, we can see that there is a dependency called anuglar2-qrcode which seems to be a typo of the regular angular2-qrcode which can be found [here](https://www.npmjs.com/package/angular2-qrcode).

Graphical user interface, text, application, Word

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**Step 3**

A quick google search of anuglar2-qrcode gives us a result as shown [here](https://www.npmjs.com/package/anuglar2-qrcode). This page is quick to admit that it is not the real module and that it is indeed the typosquatter that we are looking for in this challenge.

Graphical user interface, text

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**Step 4**

With this knowledge in mind, we can finish the challenge by going to the Customer Feedback form which can be found under the hamburger icon on the top left side of the site. By entering anuglar2-qrcode into the comment, giving a rating and giving the right answer to the CAPTCHA question, we are able to inform the developers of the typosquatter on their website and complete the challenge.

Graphical user interface

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**~ End of Challenge ~**