

XSS

Cross Site Scripting

Security

Universidade de Aveiro

XSS

- Injection of client side scripts in web pages
- Inherent to how HTML works
 - Not a “bug” of .NET, Python, etc..
- Has several variants
 - Stored XSS
 - Reflected XSS
 - Cross Site Request Forgery

XSS

Correct usage:

```
<img src='img.png'></img>
```

Not so correct usage:

```
<img src='img.png'><script>alert("hi");</script></img>
```

XSS

```
</img>
```

Open Window, send current cookie to bad.com

XSS: Injection Vectors

- Any non parsed text!

`<p>Hi there<script>alert('hehe')</script></p>`

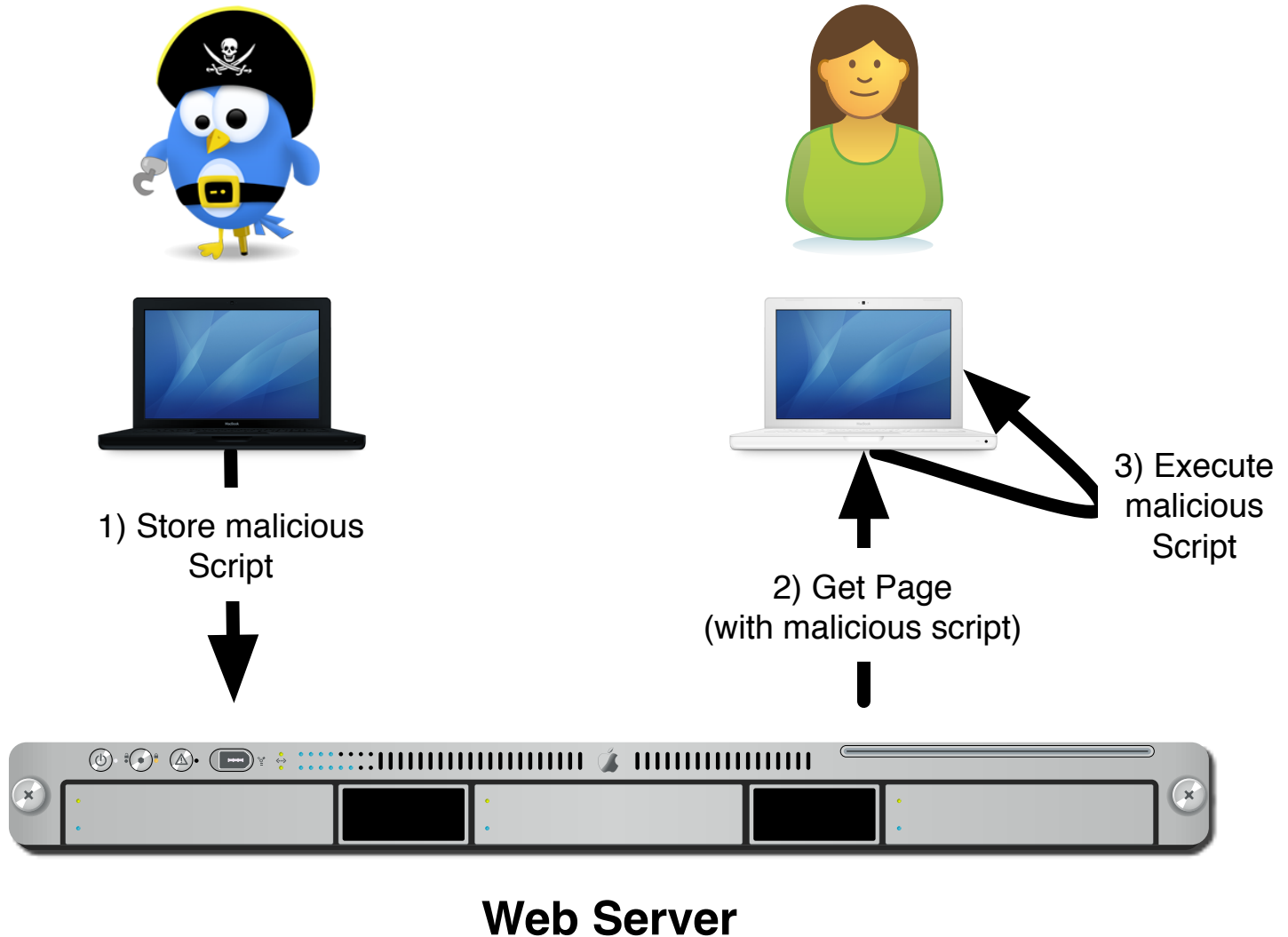
- Media tags: img, video, canvas

``

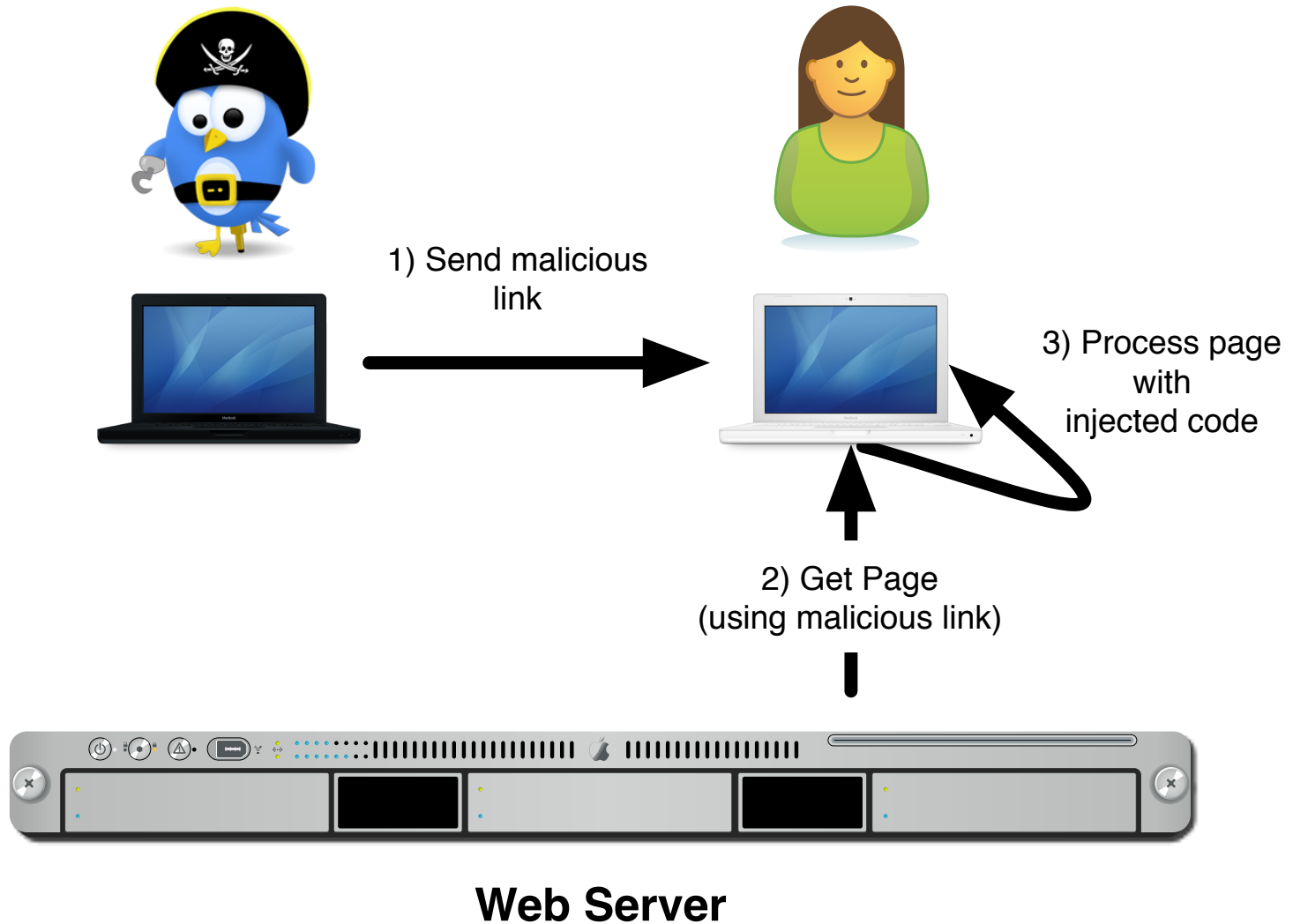
URLs:

`http://foo.bar/index.php?search=<script>alert('hi')</script>`

Stored XSS



Reflected XSS



Cross Site Request Forgery

