Portability-Interoperability

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Interoperability Testing in Software

- Is a software testing type, that checks whether the software can interact with other software components and systems.
- The aim of Interoperability tests is to ensure that the software product is manage to communicate with other components or devices, without any compatibility issues.

Risks

- The risk associated due to lack of Interoperability Testing are:
- ► Loss of data
- Unreliable performance
- Unreliable operation
- ► Low maintainability

How to do Interoperability Testing

- Connect two or more devices from different vendors
- Check connectivity between devices
- ► Check if device can send/receives packets from each other
- Check if data is handled correctly in the network layers
- Check if implemented algorithms work correctly
- Result ok: check next result
- whether not ok, report result in Test reporting tool.

Cross browser Testing

- Cross-browser testing, also called browser testing, is a quality assurance (QA) process that checks whether a web application functions as intended for end users across multiple browsers and devices.
- Is a type of compatibility testing, which ensures an application integrates as intended with interfacing hardware or software. Portability testing can cover hardware, SO and devices.

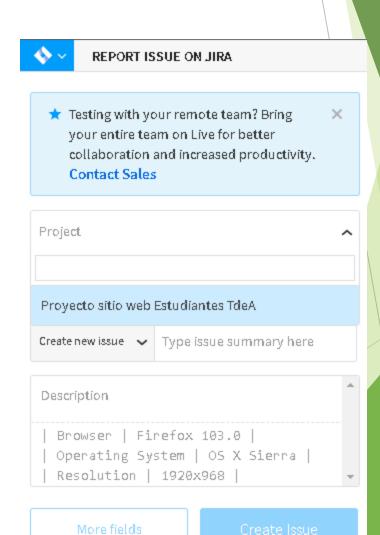
SUT

- Microsoft Windows XP, Windows 2003, Windows Vista, Windows 7, Windows 8, Windows 8 RT, Windows 10, Windows Media Center,
- Apple Mac OS X 10.7 (Lion), 10.8 (Mountain Lion), 10.9 (Mavericks), 10.10 (Yosemite), 10.11 (El Capitan), 10.12 (Sierra), 10.13 (High Sierra),
- Linux (Ubuntu, Mint, Fedora, Red Hat, SUSE, Novell, etc.), otras versiones de NetWare y Unix (Solaris, BSD, HP-UX, AIX, etc.)

Browserstack

- Permite ver nuestra pagina desde diferentes SO y dispositivos
- Integración con Jira para el reporte de Issues





Instrucciones

- Ingrese a la pagina https://www.browserstack.com/
- Permite hacer pruebas de múltiples dispositivos en la nube por medio de virtual machines
- Crear cuenta gratuita (free trial) (Llenar los datos y dar clic en el botón de Sign me up)

Permite

Evaluar la correcta visualización de funcionalidades en nuestra pagina como por ejemplo:

Menús, botones, imágenes, funcionalidad, el responsive etc.

Es frecuente que cuando se realizan pruebas se pueden evidenciar bugs en diferentes OS / Browsers

Registrarse

Sign in

G Sign in with Google				
	or —			
Business Email				
Password				
Sign me in				

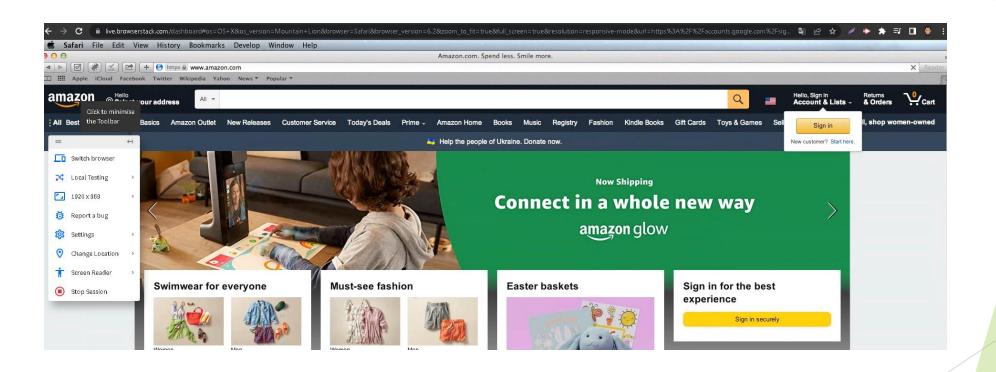
<u>Sign up</u>

Forgot password?

Select OS and browser:

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Android		47	48	36		
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Big Sur Catalina		42	42	31		
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High Sierra		40	40	29		
Sierra		39	39	28		
× El Capitan		36 more	23 more	19 more		
× Yosemite						
x Mavericks						
Mountain Lion						
6 Lion						
🐃 Snow Leopard	Drag a browser here to add to Quick Launch					

Ejemplo de validación de pagina Amazon desde navegador safari utilizando el SO Mountain Lion



Prueba con <u>IOS</u> (IPhone 13)

