



SECURITY AND PRIVACY PROTECTION ON IOT DEVICES: H.O.S.S.

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< BACKGROUND >

When a user's devices are connected to a home/office network, the information they hold may not always be completely secure or private. H.O.S.S. is a web application that is designed to scan a user's network for all connected IoT devices and reveal how safe a user's data is on a specific device.

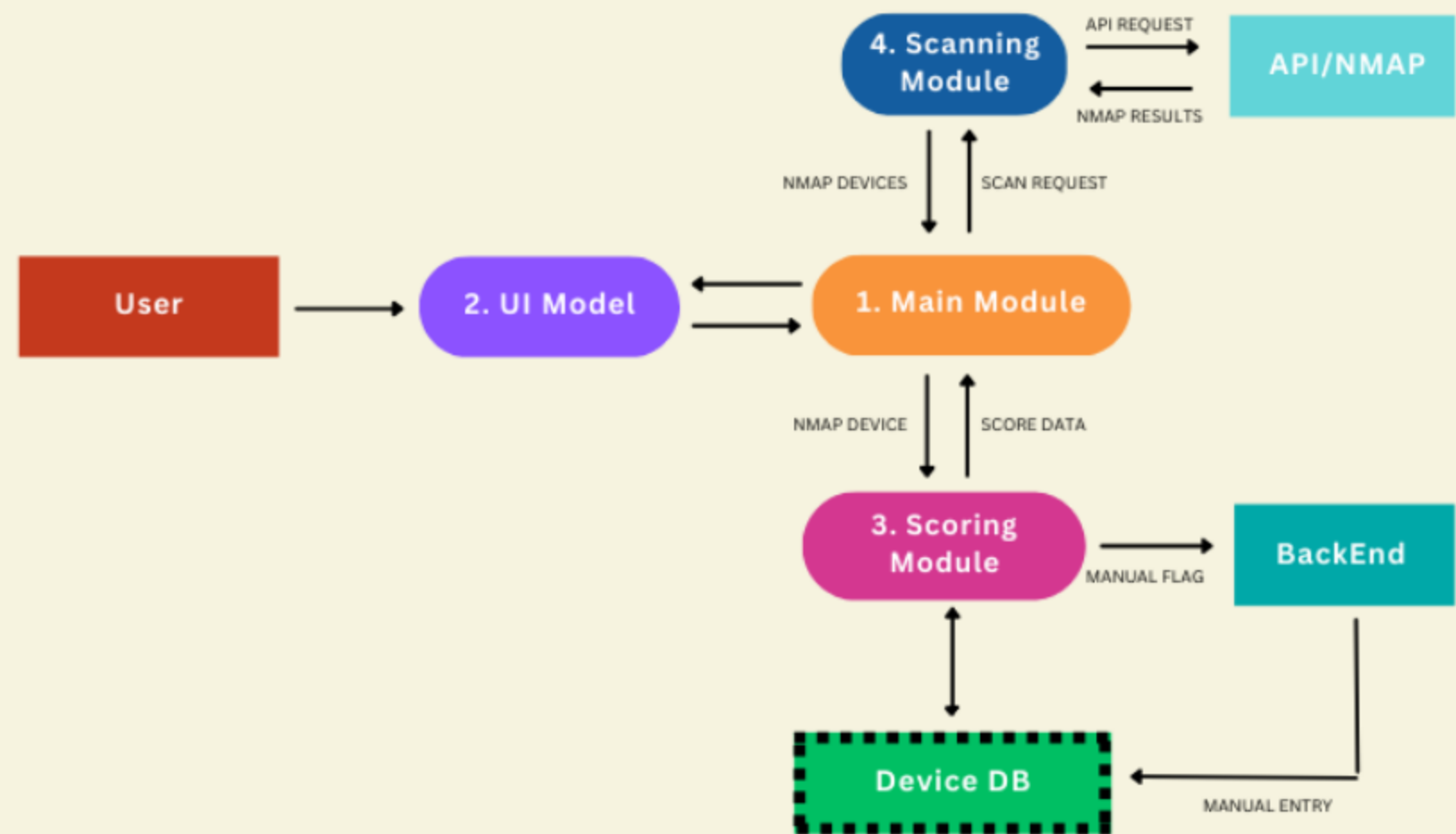
< OBJECTIVE >

H.O.S.S will provide the user with a list of all of their connected devices, as well as two scores for each device: security and privacy. The ratings will be out of 5 stars each: 1 being the worst and 5 being the best, in terms of how secure and private their data is.

HOME OFFICE SECURITY SCANNER



< ANALYSIS MODEL >



< RESULTS >

HOSS

Home Scan Devices Glossary About

Scan

Scan your network with just a click of a button. After you perform a scan, you will see a list of the devices on your network along with some details about the device, the type of device it is and most importantly the Security and Privacy score for the device.

Scan My Network

Samsung SmartTV	Security: 3.4 Privacy: 4.3
IP: 192.168.1.75 Mac Address: 68:72:C3:A3:FD:A4 Hostname: Samsung.attlocal.net Type: Television	
Amazon	Security: 2.0 Privacy: 2.0
Samsung Galaxy Tab A	Security: 3.1 Privacy: 2.6
Apple iPad	Security: 4.1 Privacy: 3.5
IP: 192.168.1.84 Mac Address: 7E:54:87:4C:02:AE Hostname: Luiss-iPad.attlocal.net Type: Tablet	

< TOOLS AND TECHNOLOGY >

