Security and Privacy Protection on IoT Devices: H.O.S.S.

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ECST

< BACKGROUND >

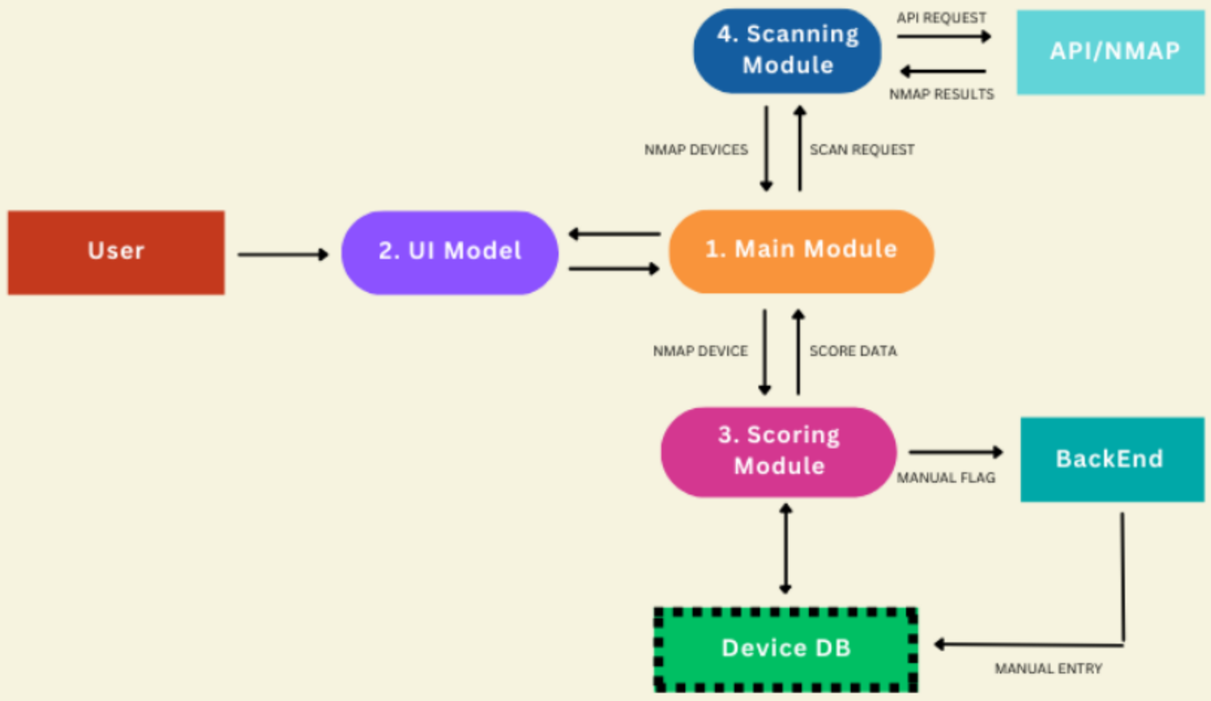
When a user's devices are connected to a home/office network, the information they hold may not always be completely secure or private. H.O.S.S. is a web application that is designed to scan a user's network for all connected IoT devices and reveal how safe a user's data is on a specific device.

< OBJECTIVE >

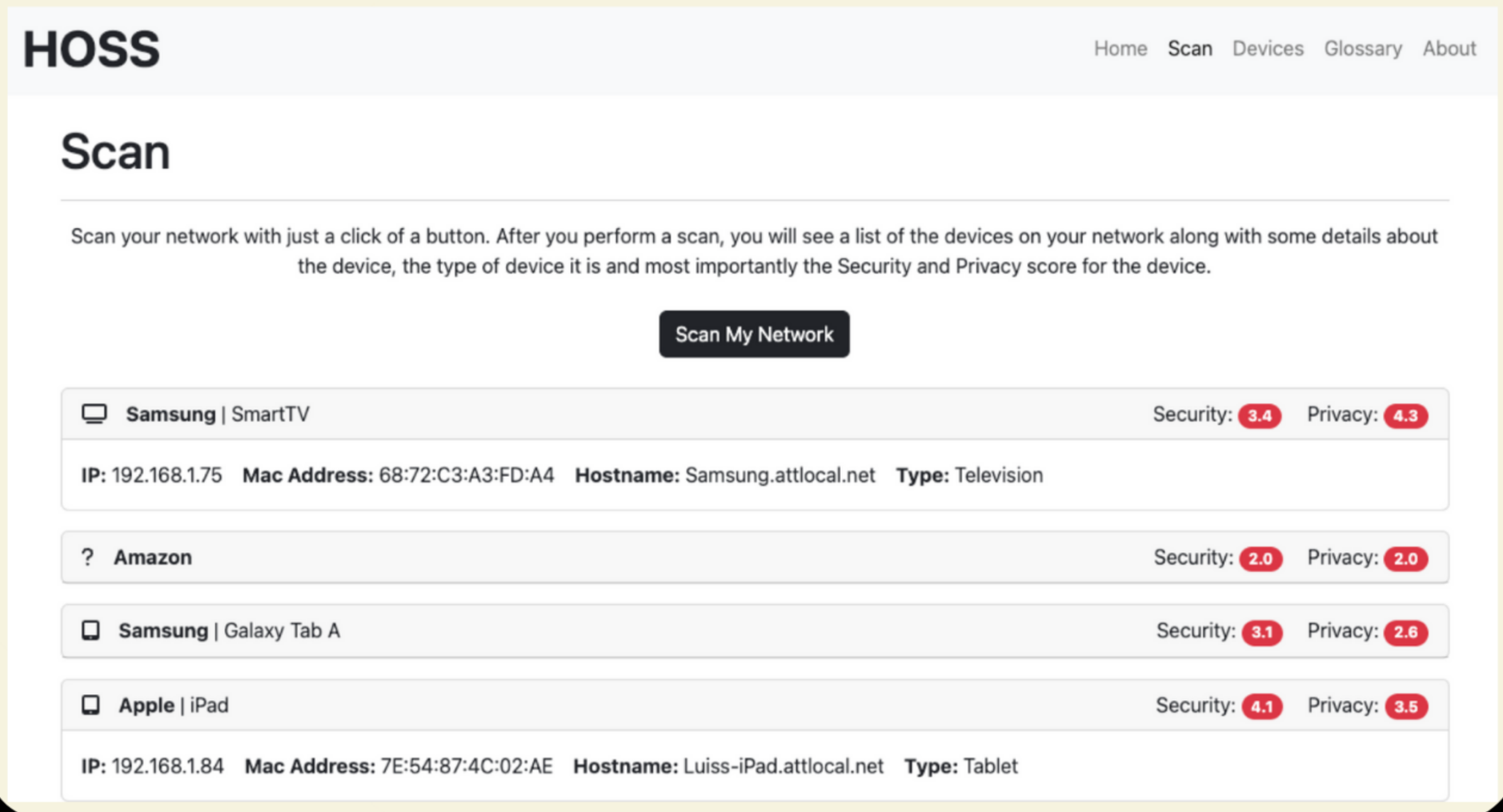
H.O.S.S will provide the user with a list of all of their connected devices, as well as two scores for each device: security and privacy. The ratings will be out of 5 stars each: 1 being the worst and 5 being the best, in terms of how secure and private their data is.

HOME OFFICE SECURITY SCANNER

< ANALYSIS MODEL >



< RESULTS >



< TOOLS AND TECHNOLOGY >

NMAP
mongoDB
JS
HTML
B