Web2Device Bridge

WebNFC[1] Use-case for Secure Interaction Between
a Web-page and a Connecting Mobile Device

The following *conceptual specification* builds on the same core as the Web2Native Bridge[2]. In fact, the *intention* is that invoked native applications would be *identical* for both schemes.

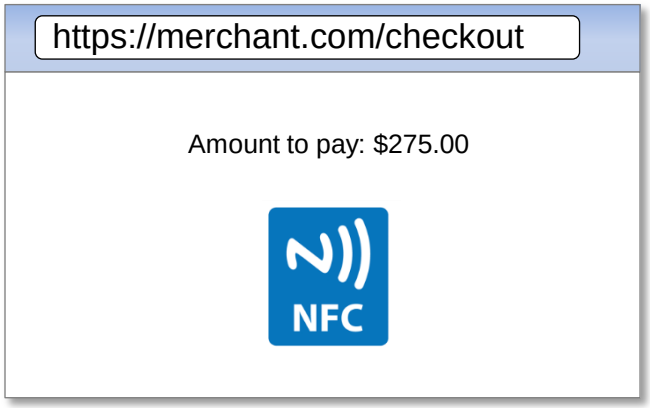
On the Web-side there are minor differences, since NFC and local application invocation have distinct JavaScript interfaces, whereas the actual *application code* should be identical, including error handling.

Note that this specification does not include a security element since such functionality can be supplied in many different ways when needed.

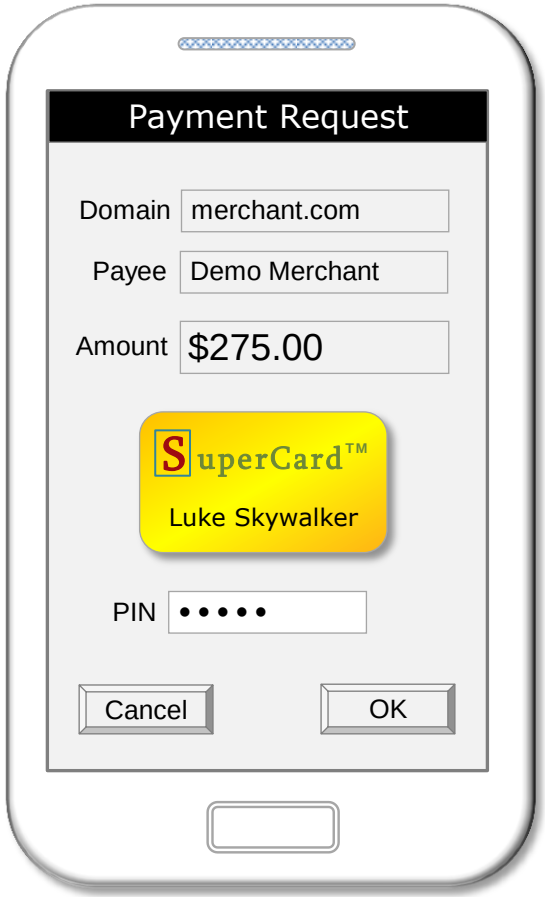
1. https://www.w3.org/community/web-nfc/
2. https://cyberphone.github.io/openkeystore/resources/docs/web2native-bridge.pdf

Web2Device Bridge – Typical Use Case

① User interacts with a Web application on a PC, POS terminal, Vending machine, etc.



② User performs the NFC connection



③ User finishes the request in the connected mobile device

Web2Device Bridge – Sequence Diagram