issues when the two counters are not synchronized. Accordingly, there is a need to maintain synchronization of the counter on the NFC-enabled smartcard without disabling the NFC capabilities of the smartcard.

[0007] Conventional methods related to NFC and the near-field data exchange format (NDEF) have limitations that do not allow for the functionality of an NFC tag to launch an application, prevent unintentional launches, and/or allow for a user to toggle the functionality of, for example, an NFC smartcard. These are other deficiencies exist. Thus, it can be beneficial to provide exemplary systems, methods, and computer-accessible mediums that selectively repress or turn off the read of an NFC tag by a smartphone. It can be further beneficial to provide exemplary systems, methods, and computer-accessible mediums to toggle the functionality of repressing or turning off the read, or launching of an application responsive to the read of an NFC tag, by a smartphone. Even further, it can be beneficial to provide exemplary systems, methods, and computer-accessible mediums, which can synchronize (and/or maintain the synchronization of) the counters on the smartcard and the issuer of the smartcard.

SUMMARY OF EXEMPLARY EMBODIMENTS

[0007a] According to one aspect, there is provided a system, comprising an application stored in a memory of a user device, wherein the application is configured to: launch, responsive to receipt of a digital tag associated with the application received from a first device, record a number of launches responsive to the digital tag, transmit, to a server, a notification indicating the number of launches, and intercept digital information transmitted by the first device when the user device is in at least one state from a pre-determined list of states.

[0007a] According to another aspect, there is provided a method, comprising launching, by an application stored in a memory of a user device, responsive to a receipt of a digital tag associated with the application from a first device; recording, by the application, a number of launches; sending, by the application to a server, a notification indicating the number of launches; and intercepting, by the application, digital information transmitted by the first device.

[0007c] According to another aspect, there is provided a computer-accessible medium containing executable instructions that, when executed by a processor, configure the processor perform procedures comprising launching, by an application stored in a memory of a user device, responsive to a receipt of a digital tag associated with the application; recording, by the application, a number of launches; sending, by the application to a server, a notification indicating the number of launches; and intercepting, by the application, digital information transmitted by the first device.

[0008] Embodiments of the present disclosure provide a system, method, and computer-accessible medium, which can include, for example storing on a first device a digital tag, the tag configured to be associated with at least one application on a second device, such that receipt of the tag on the second device launches the application on the second device; and emitting from the first device to a second device the digital tag; wherein the application on the second device is configured to launch in a special state when the second device is in at least one state from a pre-determined list of states.

CLAIMS

1. A system, comprising:

an application stored in a memory of a user device,

wherein the application is configured to:

launch, responsive to receipt of a digital tag associated with the application received from a first device,

record a number of launches responsive to the digital tag,

transmit, to a server, a notification indicating the number of launches, and

intercept digital information transmitted by the first device when the user device is in at least one state from a pre-determined list of states.

2. The system of claim 1, wherein:

the first device comprises a smartcard, and

the user device comprises a smartphone.

3. The system of claim 1, wherein the predetermined list of states comprises a locked state and an unlocked state.

4. The system of claim 1, wherein the predetermined list of states comprises a screen on state, a screen off state, and a state when the screen is touched.

5. The system of claim 1, wherein the application is further configured to:

receive digital information, and

prevent a second application from accessing the received digital information.

6. The system of claim 1, wherein the application is further configured to:

receive a near-field data exchange format (NDEF) payload, and

prevent execution of the NDEF payload for a period of time.

7. The system of claim 6, wherein:

the period of time is calculated from a time of an event, and

the event comprises at least one selected from the group of powering on the user device and unlocking a screen of the user device.

8. The system of claim 6, wherein the period of time is calculated from the receipt of the digital tag.

9. The system of claim 1, wherein the transmission of the notification synchronizes a counter on the user device with a counter on the server.

10. A method, comprising:

launching, by an application stored in a memory of a user device, responsive to a receipt of a digital tag associated with the application from a first device;

recording, by the application, a number of launches;

sending, by the application to a server, a notification indicating the number of launches; and

intercepting, by the application, digital information transmitted by the first device.

11. The method of claim 10, wherein the application intercepts digital information transmitted by the first device for a fixed time duration after receipt of the digital tag.

12. The method of claim 10, further comprising:

receiving, by the application, a near-field data exchange format (NDEF) payload, and preventing, by the application, execution of the NDEF payload for a period of time.

13. The method of claim 12, wherein the period of time is calculated from the receipt of the digital tag.

14. The method of claim 12, wherein:

the period of time is calculated from a time of an event, and

the event comprises at least one selected from the group of powering on the user device and unlocking a screen of the user device.

15. A computer-accessible medium containing executable instructions that, when executed by a processor, configure the processor perform procedures comprising:

launching, by an application stored in a memory of a user device, responsive to a receipt of a digital tag associated with the application;

recording, by the application, a number of launches;

sending, by the application to a server, a notification indicating the number of launches; and

intercepting, by the application, digital information transmitted by the first device.

16. The computer-accessible medium of claim 15, wherein the application is launched in a visible state or a non-visible state based on a state of the user device.

17. The computer-accessible medium of claim 16, wherein the state of the user device comprises at least one selected from the group of a screen active state, a screen inactive state, a screen locked state, a screen unlocked state, and a battery power state.

18. The computer-accessible medium of claim 15, the procedures further comprising:

monitoring, by the application, a time period between a screen unlock of the user device and receipt of the digital tag;

launching, by the application, if the time period is greater than a threshold; and

stopping, by the application, the launch if the time period is less than a threshold.

19. The method of claim 10, wherein the application intercepts digital information transmitted by the first device when the user device is in at least one state from a pre-determined list of states.

20. The method of claim 19, wherein the predetermined list of states comprises a screen on state, a screen off state, and a state when the screen is touched.