




# SmartCard Project



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## Objectives :

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Android application :

- Emulate a Tag NFC type 4

Csharp application :

- Creating an instantiation on an RFID card
- Detect a card
- Read an NDEF message from an NFC tag
- Write an NDEF message on an NFC tag

# work done

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Android application :

- Receive command ✓
- Parse the command ✓
- update NDEF ✗

Csharp application :

- Detect a card ✓
- Read an NDEF message from an NFC tag ✓
- Encode the messages to be write on an NFC tag ✓
- Write an NDEF message on an NFC tag ✓

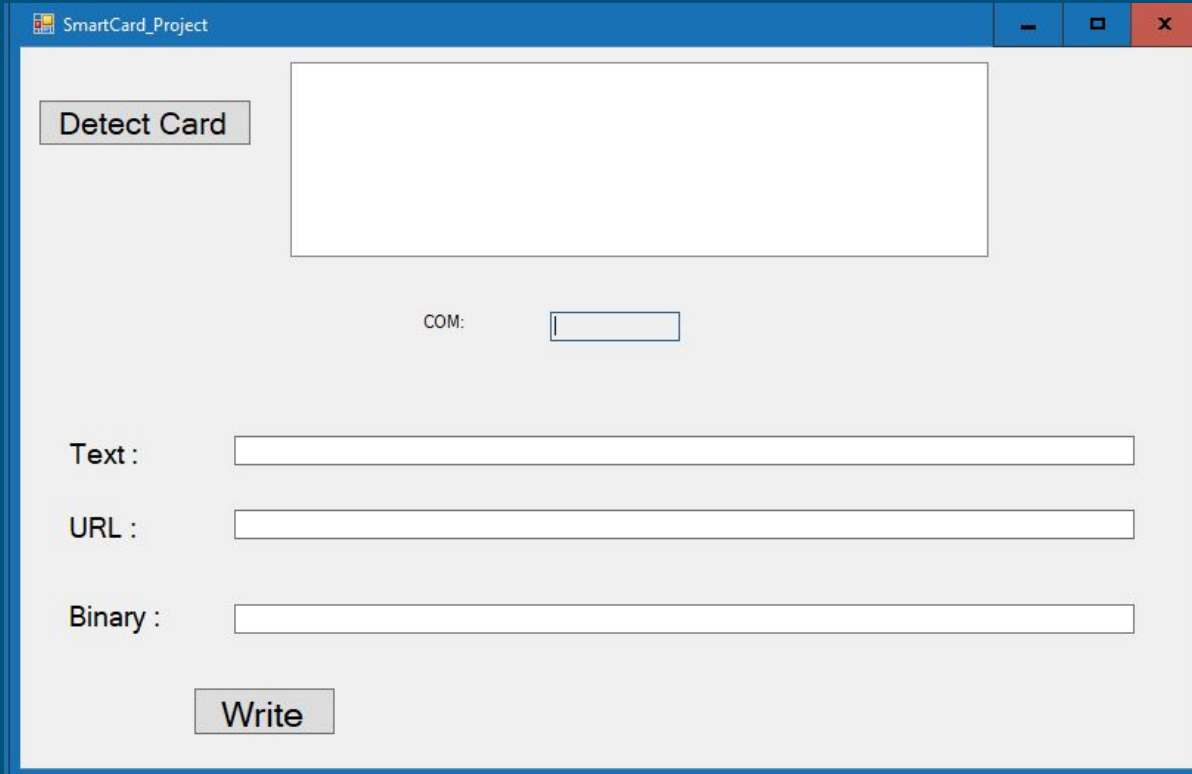
# issues

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- Documentation
- Use of c language in the beginning
- Parsing
- Task sharing
- The smartphone does not work

# work done

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The image shows a screenshot of a Windows application window titled "SmartCard\_Project". The window has a standard Windows title bar with minimize, maximize, and close buttons. The main content area is light gray and contains several interactive elements:

- A button labeled "Detect Card" is located in the top-left corner of the main area.
- To the right of the "Detect Card" button is a large, empty rectangular box.
- Below the "Detect Card" button and the large box, the text "COM:" is followed by a small, empty text input field.
- Further down, there are three labels with corresponding text input fields:
  - "Text :" followed by a long text input field.
  - "URL :" followed by a long text input field.
  - "Binary :" followed by a long text input field.
- At the bottom center of the window is a button labeled "Write".

# – Demonstration