IC cards with Android

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IC cards management system has been implemented in PC system. In this work, we transplant IC cards management system onto Android. The main component of IC card management system includes IC card adder, IC card editor, IC card viewer, IC card exporter and IC card importer. The overview of IC cards management system is shown in Figure 1.

![IC Card System on Android](image)

**Figure 1.** IC cards management system overview

**IC card adder**
The IC card adder is designed to add IC cards to the IC Card XML Database. To add one IC card, click the “Add” button on the management system’s main screen (See Figure 1). This tool helps users to enter all data specific to an IC card into blank forms and then submit it to be added to the database. If the user makes mistake on the operations of dealing with any of the IC card’s fields, the card will not be added to the database until all information provided. The user will be notified of any missing data.

**IC card editor**
The IC card editor is designed to edit IC cards which have already been in the IC Card XML Database. To edit one IC card, click the “Edit” button on the management system’s main screen (See Figure 1).
IC card viewer
The IC card viewer is designed to view one IC card which has already been in the IC Card XML Database. To view one IC card, click the “view” button on the management system’s main screen (See Figure 1).

IC card exporter
The IC card exporter is designed to export an existing XML file to IC card XML database. To do the exporting operation, click the “Export” button on the management system’s main screen (See Figure 1).

IC card importer
The IC card importer is designed to import IC card XML database to XML. To do the importing operation, click the “Import” button on the management system’s main screen (See Figure 1).