Proof-of-Concept Android Application for Mobile eID Proposer

In this project, you will develop a prototype of an Android application that will function as the central element for future eID usage on the mobile platforms.

This proof-of-concept project is part of a bigger development effort with three work packages, orchestrated by RIA:

WP1: card communication module
WP2: (your module) application and UX package
WP3: platform service interfaces for integrators

The scope of WP2 is defined as:

WP2, Application Module, implements the main user-visible part of the solution. The main deliverables are the applications to be distributed via the platform-specific app store, its user interface (GUI) and user experience (UX). The module binds together the results of WP1 and WP3 and deals with user interaction. The user experience must be conceptually unified across platforms, but adjustments and deviations based on best practices or platform design guidelines are allowed and encouraged.

The application must support user stories for card management (changing PIN codes, checking the status of certificates, changing application settings etc) as well as execution of business functions (signing, authentication, decryption) triggered from other applications via the interface(s) specified in WP3.

During the development of the WP we expect to see prototypes of the UI and documented argumentation for UX choices that have been made.

The deliverables of the WP are: source code, automated test suite where applicable, automated build infrastructure, release process documentation (with releasing to app stores) and technical working documentation generated during development process.

This project is an opportunity to engage in a real life, open source development project with multiple participants. Working with unknowns (other WP-s) and otherwise changing constraints is an everyday experience in software development. Documenting the result of your component(s) so that others could build upon it.

If successful and of sufficient quality, the result of the project shall be taken as-is for the basis of the resulting software solution. Otherwise at least the design decisions of the UX be considered for the final solution by RIA.

The output of the project will be made available under MIT license.