Add TWAIN Cloud Support to Existing Mobile Applications

TWAIN Working Group
4256 Redspire Lane
Fayetteville, NC 28306
Contact: Erin Dempsey
(910) 574-6631
Erin.dempsey@twain.org

Project Description(s):

Add TWAIN Cloud Support to the Android Mobile Application, which is located on github at: https://github.com/twain/twain-direct-android

Add TWAIN Cloud Support to the iOS Mobile Application, which is located on github at: https://github.com/twain/twain-direct-ios

Project Guidelines:

- User interface updated to select which TWAIN Cloud to use (user can enter name, it can also be discovered in mDNS TXT records of TWAIN Local scanners)
- Option to select which authentication authority to use (first one implemented is Google)
- Support scanner registration to TWAIN Cloud
- Provide access to TWAIN Cloud's device management page
- Install a suitable freeware PDF viewer that can decrypt PDF/raster, if the built-in viewer doesn't support it
- Where possible use native libraries instead of third party content
- Maintain a clean separation between the TWAIN Direct library and the presentation layer(s)
- The TWAIN Cloud Specification is a work in progress, some modifications may be needed during the course of the project, every effort will be made to keep them to a minimum

Project Timeline:

The Android application must be capable of authenticating, registering, and scanning by August 24th 2018, so that it can be demonstrated at HSA Capture 2018 Conference, which takes place the first week of September.

Production quality versions of both the Android and iOS applications must be completed by November 1st 2018.