

DRS Access to Mobile Devices Final Report

Chip Goines, Software Engineer, Library Technology Services
(chip_goines@harvard.edu)

This project aimed to create a mobile interface for page-turned objects in the Digital Repository Service and an open, web service-based API for third-party developers. The bulk of those deliverables were completed in October 2011, with a project extension granted in Summer, 2012. The extended development time was used to add PDF printing and social networking features into the mobile interface.

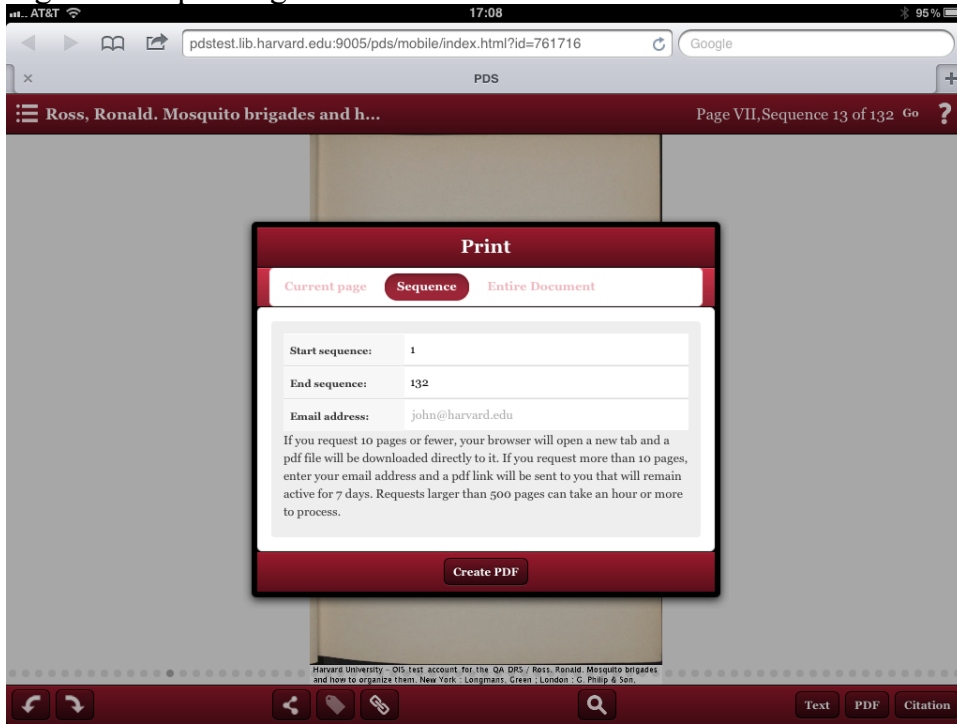
Accomplishments

This project met its primary objective of completing a platform-independent mobile interface that can be used to render page-turned objects in the DRS. The interface features virtually all of the same functions from the desktop web version of the Page Delivery Service, including image rotation, citation information and displaying and searching the full text of objects. Additional development time was used at Library Technology Services to add social tagging of certain objects held by the Law School Library.

Fig. 1: Social Media Functionality



Fig. 2: PDF printing interface



Challenges

The development tasks in this phase were fairly straightforward and there were no issues that hindered implementation of the new features.

Next steps

Library Technology Services funded additional development time of this application and is considering releasing the mobile interface into production as early as December, 2012. Future features may include a dual-page display.

Code repository

The current version of the application code is available at:
<https://github.com/oscharvard/PDSMobile>

An example PDS object viewed through the PDS mobile interface can be viewed here via any tablet-based browser:

<http://pdstest.lib.harvard.edu:9005/pds/mobile/index.html?id=761716>

Budget

Implementation of the PDF printing and social media functions took the estimated amount of developer time, 4 days of release time.

Presentations

New Media Consortium, MIT, August 2012.