

Electronic Discharge Letter Mobile App

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The Electronic Discharge Letter Mobile App

Lezcano, L., Ternier, S., Hartkopf, K., Stieger, L., Schroeder, H., Sopka, S., Drachsler, H., Maher, B., Henn, P., & Orrego, C., Kalz, M., & Specht, M.

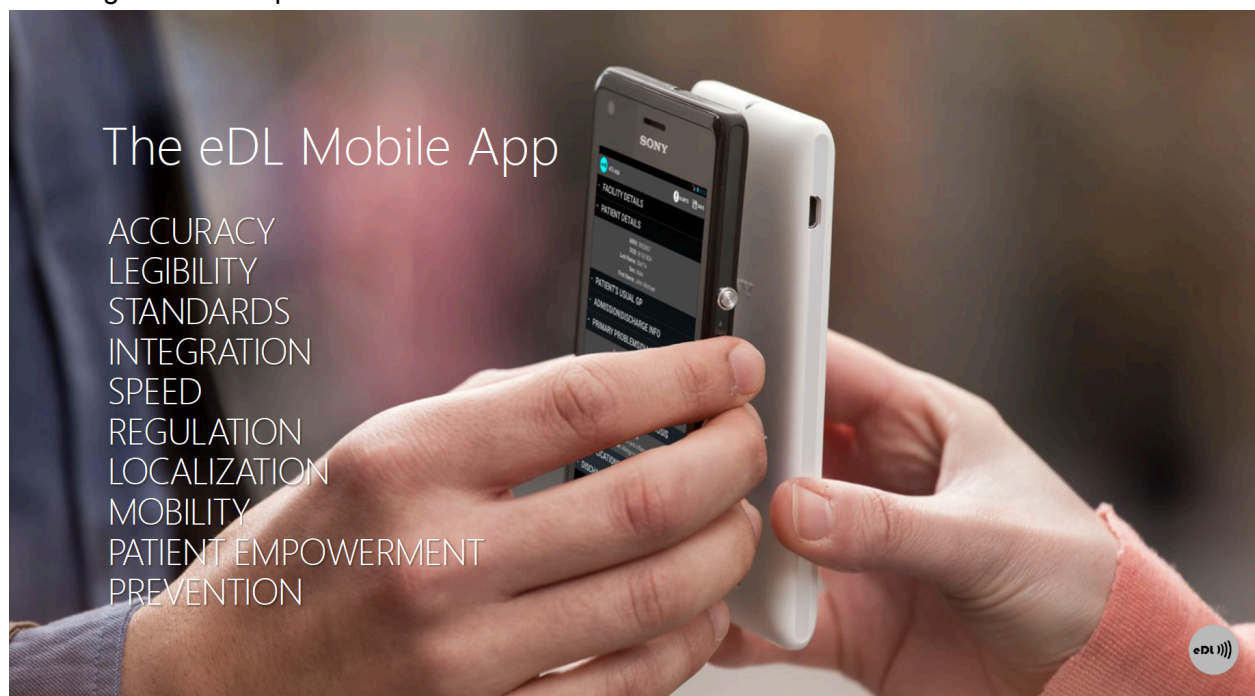
Abstract

We developed an electronic discharge letter (eDL) app that takes advantage of Near Field Communication (NFC) within the PATIENT project and a related post-doc study. NFC enabled phones to read passive RFID tags, but can also use this short-range wireless technology to exchange (small) messages. NFC in that sense competes with bluetooth. Compared to bluetooth, NFC:

- Requires the devices to be really close (less than 4cm)
- Does not require the devices to pair before communicating

We applied the Android Beam technology to facilitate the handover of medical discharge letters between doctors and patients. Sharing these letters with patients and providing extra services around gives patients more insight on their health. Furthermore the app for patients can be extended with extra functionality to give them for instance more information about e.g. their medication. In that way the eDL App encourages the standardization of discharge letters by replacing the traditional handwritten or printed letter by an electronic version (eDL) exchanged between devices.

The first goal was to create a Minimum Viable Product (MVP) where wanted prototype the ability to complete a discharge procedure from end to end and show how a doctor can pass a discharge letter to a patient's mobile device via Near Field Communication.



Version & change log

Version	Date	URI
1.6	27-May-2014	https://play.google.com/store/apps/details?id=org.celstec.edlapp

References

For instance refer to an older version of this package

Lezcano, L., Ternier, S., Drachsler, H., Kalz, M., & Specht, M. (2013, September). The Electronic Discharge Letter Mobile App. In *iProceedings of MEDICINE 2.0: 6th World Congress on Social Media, Mobile Apps, Internet/Web 2.0* (pp. 221-222). London, England.