Web viewer for digital medical images

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Main Difficulties

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Objective

Show experiences of developing a web application that allows the visualization and management of medical images on low-end computers, with minimal network bandwidth usage.

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Development Details

Search Service

- NHibernate, LINQ.
- Caching Levels. (Redis)

WADO Service

- Application/json
- Image/jpeg
- Thumbnails with cache.
- Calib Library for DICOM Reading.

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Development Details

WADO, Search

JSON

Viewer

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To develop a DICOM Web Viewer for using in Cuban medical institutions and hospitals in foreign countries that Cuba has collaboration relations. It solution will help on technologies development, and improve health care at low costs.
References

http://dicom.nema.org/

http://www.microsoft.com/net/

http://www.w3c.org/


http://jquery.com/

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Thank you for your attention!