ECS 193AB Winter/Spring2017

Network Enabled Image Region Tagging Tool

This project involves building a web service that allows users to select regions of images and assign "tagged" descriptions to the regions based on automated (type-ahead) lookup of Linked Data controlled vocabulary sources. A variety of sources provide APIs to allow searching of RDF/n-triples based subject, location, and person ontologies. (Library of Congress, Getty Museum, Online Cooperative Library Catalog, MESH, etc.) I this project we will build a web-served application that uses HTML5 and javascript to allow users to draw a polygon or circle around a region of an image and then select a term from one to the identified remote ontologies to apply as a descriptor for that region. For example, a person might identify a picture of George Washington in a photo and connect this with the Library of Congress entity entry for George Washington. This will allow users to build thickly catalogued collections of images that can be linked via the semantic web.

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