Summer Capstone 2013

Proposal

Art-Dentifier

By

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Summary

Art-Dentifier is a computer application used to link artworks to their appropriate artists. The application will be written in C#, and will use machine learning in order to achieve its purpose. The application will be able to distinguish what artist a painting belongs to from a small group of artists. The application will measure a set of attributes on the work, and list out similarities in each work.

Use Cases

* As a computer science student, I need an application that will let me learn about machine learning through an application that lets me manipulate the code  
  Priority: 1
* As an Art Student, I need to be able to analyze similarities and differences between artists  
  Priority: 1
* As an Art Professor, I would like a tool to help students learn what aspects certain artists have in common  
  Priority: 1
* As a programmer, I would like an application with components that I can pull out and use for my projects  
  Priority: 2
* As an Artist, I would like to be able to compare my pieces to those of famous artists to note similarities  
  Priority: 2
* As an art critic, I would like to be able to look at aspects of art that I choose  
  Priority: 3
* As a Fine arts dealer, I require an application that can help verify the authenticity of an art piece  
  Priority: 3