SDSU
presents
MS Computer Science
THESIS DEFENSE

Friday,
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12:00pm GMCS 418

SAN DIEGO STATE
UNIVERSITY
Leadership Starts Here

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GIS Slider

Abstract

Map Objects Java Objects (MOJO) is a set of Java libraries provided by the Environmental Systems Research Institute (ESRI) to visualize maps in Java. The aim of this thesis is to allow users of Map Objects Java Objects (MOJO) to integrate an interactive, customizable slider with MOJO. The slider enables the plotting of points on the map and adding information associated with those points for each value of the slider.

The primary goal of this thesis is to allow MOJO users to illustrate timeline based historical events on the map. For each value of the slider, the user can add points on the map along with information about the events that occurred at those points. The user can also add links to webpages containing more information regarding those events.

This is an educational tool which is built completely in Java using Map Objects Java Objects and Java Swing library. It has a simple interface for ease of use and can easily be integrated into an existing MOJO application.

Thesis Committee

Carl Eckberg, Thesis Chair, Department of Computer Science
Alan Riggins, Department of Computer Science
Andre Skupin, Department of Geography