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GIS and Java Based Application
to Display Information of Historic and Modern Islam

Abstract

The focus of this thesis is to build an interactive and robust GIS (Geographic Information Systems) tool which will give a geographical survey on the Historic and Modern Islam. The user can learn about how Islam began and expanded in the various parts of the world over the years, the timeline of major events in a chronological order, the major terrorist attacks in the world and some noteworthy terms and rituals of the Islamic culture, by just clicking on the map.

The tool has been developed in JAVA. For the World map, MOJO (Map Objects Java Objects) is used. MOJO is developed by ESRI.

The user interface, as well as the language was purposely kept simple and easy to use, to broaden the potential audience. The idea is that users can view the timeline to get a quick overview and can go through the visual information display page to learn about things in more detail.

The tool uses the methodology for teaching and sharing information in an effective manner. Visual information using computer graphics is much more engaging to gather and display information than using books for collecting facts and figures. Hence, this tool would be very useful in teaching about the Historic and Modern Islam and its political influence in the world as it would help students to know and learn about what is happening in the world in an easy and interesting manner.

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