

NAU Martin-Springer Institute Website Revision

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Project Description

- Recently, with the help of two CS student volunteers, a multi-disciplinary team from Education, Religious Studies, History, and Visual Communications put together a web site commemorating events in the Bedzin Ghetto of Eastern Europe during the World War II period based on an exhibit of survivor records and testimony.
- The web site is HTML-based and fairly rudimentary from a CS perspective. It is built with custom HTML templates in WordPress content management system to make it easy for historians, educators and others to update web site content.
- This project would have a world-wide audience and would provide a venue for CS to show its expertise to historians, educators and religious studies experts by providing a useable, accessible, interoperable, exciting web site interface to the significant historical data available.
- Student capstone team members must be flexible in their ability to consult with the Director of MSI and his multi-disciplinary team of faculty researchers from the NAU College of Arts & Letters, to be able to analyze and make trade-offs for technical solutions, be sensitive to the tolerance issues, and manage the project to a scope that can be completed within a one-academic-year time frame.

Knowledge, skills and expertise required for this project

Full-stack web development experience.

Equipment Requirements Access to MSI data sources. Adherence to NAU requirements for web site hosting.

Deliverables:

- Dynamic, user-updatable database of historical data and records (textual, audio and video)
- Zoomable information visualization timeline that would provide links

to existing and web-based historical data

- “Google Maps” style interface or custom solution (trade-off would be made here) to provide a user to zoom in from various period maps to detailed living environments and other wartime/historical situations
- Web site that is bullet-proof and performs seamlessly through all popular browsers and works on multiple platforms e.g. mobile devices