

MICHIGAN STATE

UNIVERSITY

Alpha Presentation

Stack Life 2.0: Library Search and Display Tool

The Capstone Experience

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*From Students...
...to Professionals*

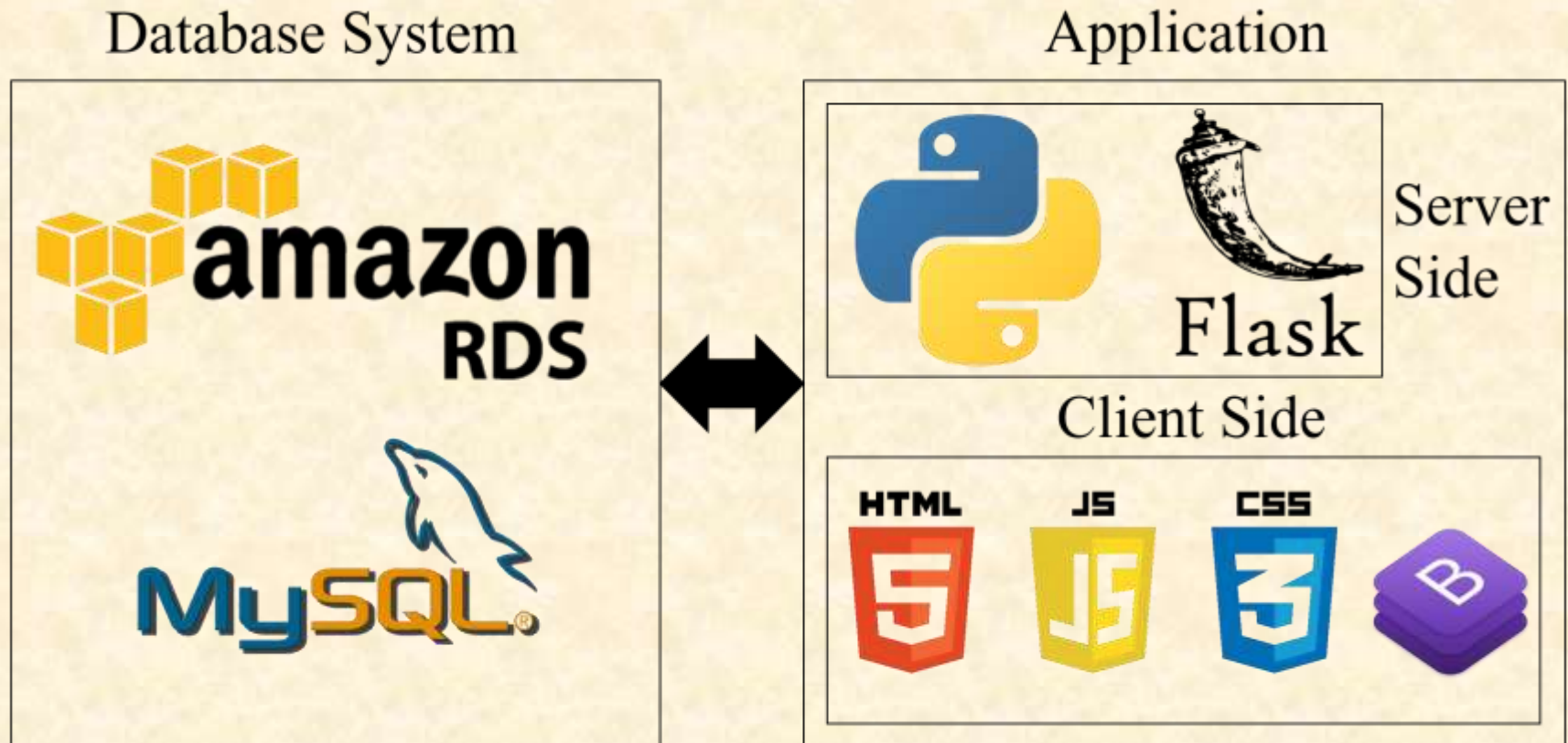
Department of Computer Science and Engineering
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Project Overview

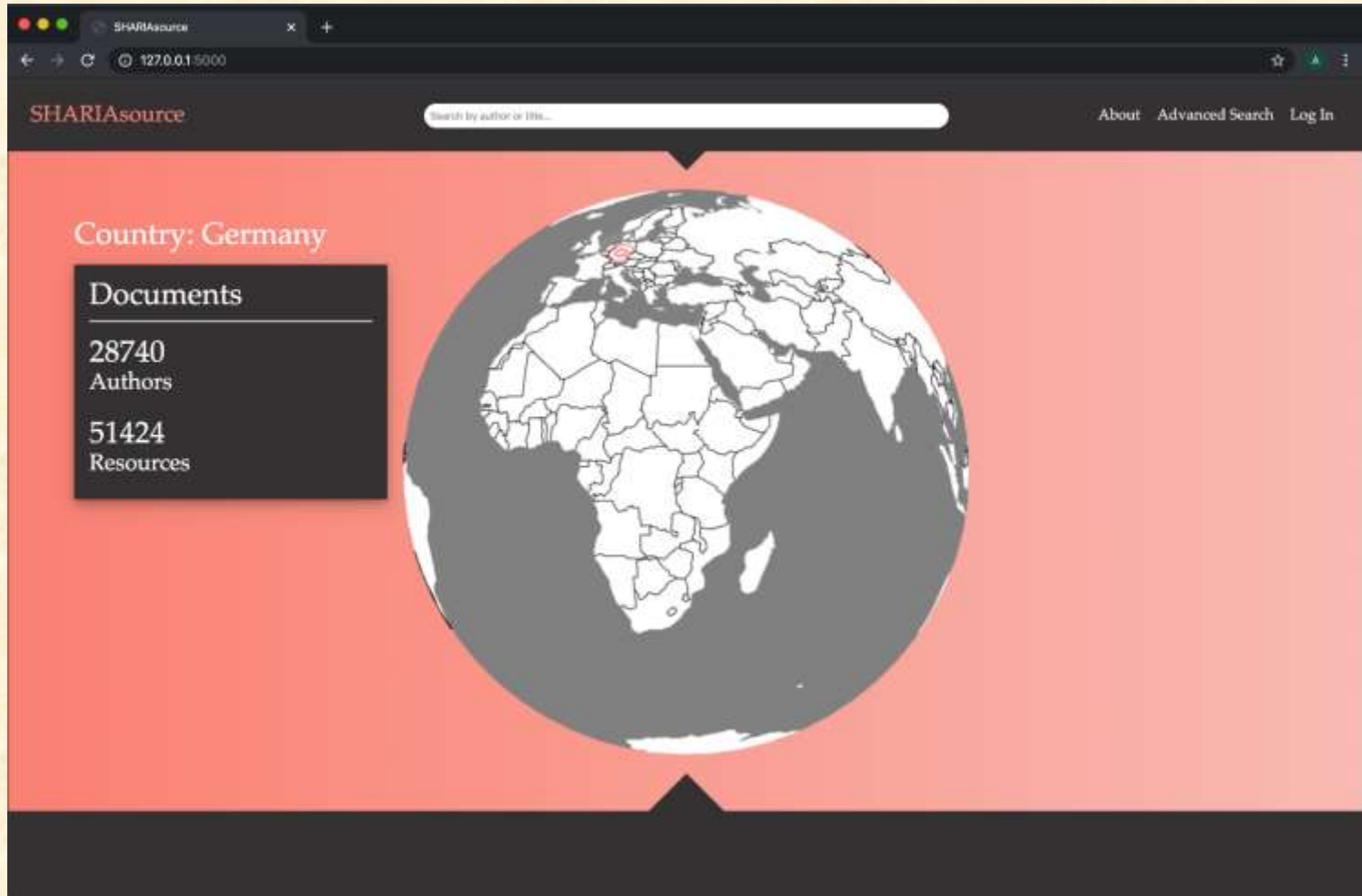
- Parse and store 15 million bibliographic records
- Create intuitive web application to search and display information
 - General searching
 - Advanced searching with ability to save searches
- Combine different searches into a “curated collection”
- Display analytic information about data



System Architecture



Home Page



Advanced Search

The screenshot shows a web browser window with the URL `127.0.0.1:5000/advancedsearch`. The page features a dark theme with the SHARISource logo in the top left. A search bar at the top contains the text "Search by author, title or ISBN...". In the top right corner, there are links for "About", "Advanced Search", and "Log In".

The main heading "Advanced Search" is centered. Below it, there is a search input field with the placeholder "Name your search...", a "+ Save Search" button, and a "Select your search" dropdown menu.

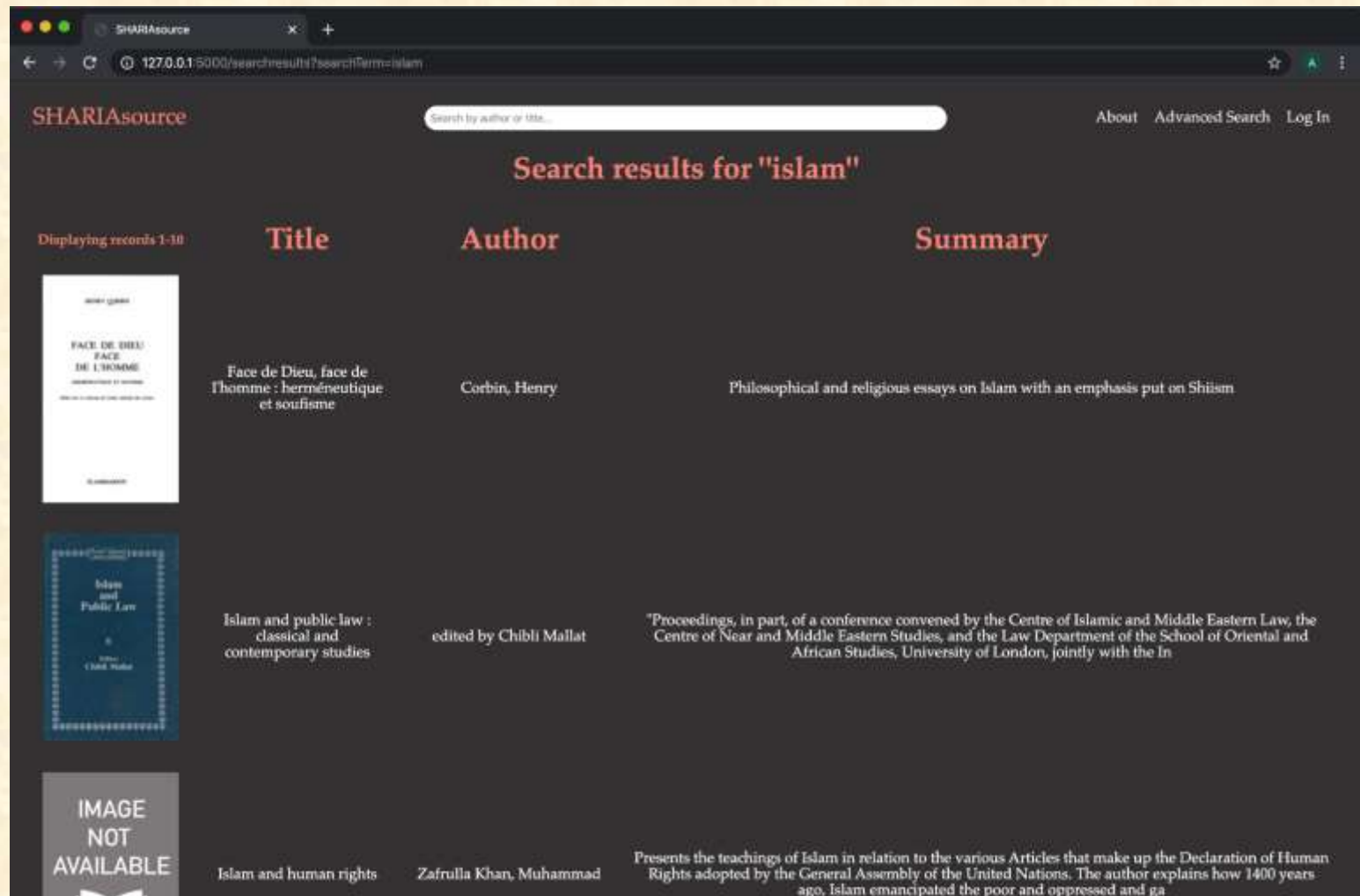
The search filters are listed on the left side:

- Topics**: Select Topic...
- Geographic Regions**: Select Region...
- Genres**: Select Genre...
- Empires & Eras**: Select Empire & Era...
- Original Language**: Select Language...
- Date**: Two input fields for "YYYY" and "YYYY" separated by "to".




An "Advanced Search" button is located at the bottom right of the form.



Search Results



The screenshot shows a web browser window displaying the SHARIAsource website. The search results are for the term "islam". The page features a search bar at the top with the text "Search by author or title...". Below the search bar, the results are displayed in a table with columns for "Title", "Author", and "Summary".

Displaying records 1-10		
Title	Author	Summary
 <p>FACE DE DIEU / FACE DE L'HOMME herméneutique et soufisme</p>	Corbin, Henry	Philosophical and religious essays on Islam with an emphasis put on Shiism
 <p>Islam and Public Law</p>	edited by Chibli Mallat	"Proceedings, in part, of a conference convened by the Centre of Islamic and Middle Eastern Law, the Centre of Near and Middle Eastern Studies, and the Law Department of the School of Oriental and African Studies, University of London, jointly with the In
 <p>IMAGE NOT AVAILABLE</p>	Zafrulla Khan, Muhammad	Presents the teachings of Islam in relation to the various Articles that make up the Declaration of Human Rights adopted by the General Assembly of the United Nations. The author explains how 1400 years ago, Islam emancipated the poor and oppressed and ga



Book Detail

The screenshot shows a web browser window with the URL `127.0.0.1:5000/searchresults/225768`. The page header includes the logo "SHARIAsource" and a search bar with the placeholder text "Search by author or title...". Navigation links for "About", "Advanced Search", and "Log In" are visible in the top right.

The main content area features a book cover on the left and a metadata table on the right. The book cover is white with black text, displaying the author's name "HENRY CORBIN", the title "FACE DE DIEU FACE DE L'HOMME", the subtitle "HERMÉNÉUTIQUE ET SOUFISME", and the publisher "FLAMMARION".

Author	Summary	
Corbin, Henry	Philosophical and religious essays on Islam with an emphasis put on Shiism	
Text Language	Original Text Language	
Unavailable	Unavailable	
Publisher	Place of Publication	Publication Date
Flammarion	Unavailable	Unavailable

Below the table, there is a red link that says "Buy on Amazon".



What's left to do?

- Implement the rest of advanced search functionality
- Parse XML-formatted data and update database
- Add location data to book detail page
- Combine saved searches into a single collection
- Implement charting/data visualization



Questions?

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