

ZiggySpider

The Ultimate MP3 Search Engine for the New Millennium

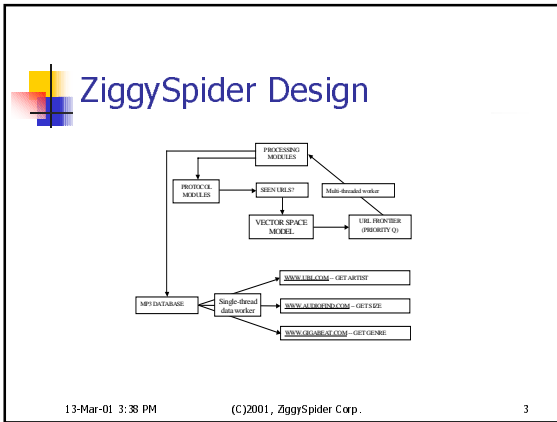
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ZiggySpider in Action

- User interface:
 - Easy-to-use frames and navigation links
- Search capabilities:
 - Query by artist, title, or keyword
 - Search by genre and artist
- Others...
 - Similar-song and song-recommendation pages
 - Artist-info page
 - Update-user-info page

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ZiggySpider Homepage

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Query Page

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Search by Artist

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Similar Songs

The screenshot shows the 'Similar Songs' section of the ZiggySpider website. It features a sidebar with navigation links (Home, Search, Sign In, Log Out, My Page, About Us) and a main content area with a 'Download Your Song Now!' button and a list of similar songs by Eminem, including 'Lose Yourself', 'Real Slim Shady', and 'Without Me'. A search bar and an alphabetical index are also visible.

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Song Recommendation

The screenshot shows the 'Song Recommendation' section of the ZiggySpider website. It features a sidebar with navigation links and a main content area with a 'Here's our personal song recommendation:' section. It lists recommended songs like 'Burning Out Time' and 'Sleepy Time Down South'. A search bar and an alphabetical index are also visible.

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Artist Info

The screenshot shows the 'Artist Info' section of the ZiggySpider website for Eminem. It features a sidebar with navigation links and a main content area with 'Info for Eminem', 'Genre: Hip-Hop', and 'More info about Eminem:' with several links. It also lists 'Songs song by Eminem' and 'Some links to Eminem's albums:'. A search bar and an alphabetical index are also visible.

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Update User Info

The screenshot shows the 'Update User Info' form on the ZiggySpider website. It features a sidebar with navigation links and a main content area with the title 'UPDATE PERSONAL INFORMATION:'. The form includes input fields for First Name, Last Name, Email Address, Phone Number, City, and State, along with 'Register' and 'Clear Form' buttons. A search bar and an alphabetical index are also visible.

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Interesting Features & Bugs


The diagram consists of four puzzle pieces. Three are green and labeled 'Focused Crawling', 'Priority Queue', and 'Artist Info'. One is black and labeled 'Artist Album'. The pieces are arranged in a cluster, with 'Artist Album' at the bottom left and the other three above it.

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Focused Crawling

- Idea:
 - Don't spend too much time on irrelevant sites
- See Vector Space Model (VSM) in action
 - Two sets of vectors: Base and Test
- Pre-trained topic keywords
 - Obtained by a simple experiment
- Results:
 - Crawler will not get stuck at bad links (e.g. banners, navigation links, etc.) and irrelevant sites for too long

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Priority Crawler

- Idea:
 - Crawl URLs with higher relevancy first
- Store and order URLs in SQL table
- Effect:
 - Reduce back up time
 - Increase efficiency


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Artist Info

- Idea: Provide 3 best sites for the artist
- Query to www.google.com
- Grab five top links and choose 3 last updated


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Artist Album

- Idea: User can buy CDs from another site
- Query to www.cdnw.com
- Get album links back
- Connect back from site → Does Not Work
- ????

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Finally....

- Enjoyed doing the project though took a lot of time
- More proficient in Java (Servlet), HTML, SQL
- Challenge!!
 - Send mp3 through e-mail
 - Play mp3 song directly at site

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