Content migration

Structured database

Dynamic website

- Static website content migration to organized database.

- Structured Data store to house scattered car history information

- Dynamically loaded web pages.

- Automated album creation with old content.

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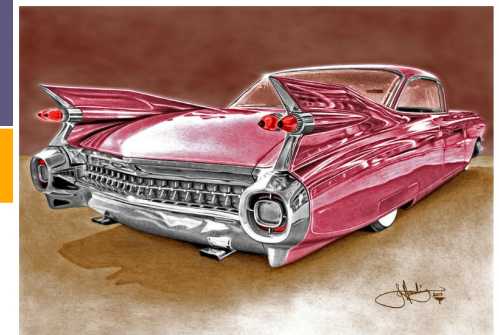
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The Cadillac Database©

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The New Cadillac Database©

With structured database design

The Cadillac Database©

The Cadillac Database© created in May 1997 has grown from some 500 screen- sized pages and some 2,000 images to a huge and digital information resource for Cadillac and La Salle aficionados. It now comprises some 8,500± screen pages and more than 40,000 images.

The new Cadillac Database©

Existing system

The old website has static content in large number without any central database and has been produced by obsolete web page generator. The album images are scattered in the file store without any catalog.

New system

Static content was analyzed and then was scraped and stored in a structured database.
The images hierarchy was automatically recorded and placed into file storage. Albums were generated for more that 400 cars through automatic script.
The new webpage display uses dynamic database retrieval.

New layout for survivors' registry presents a book-like catalog for cars organized by year and model.

The layout displays database persistent information on cars and dynamically generated album through the use of jAlbum.

The old webpage analysis and storage into database offer a scalable solution to the issue of out-of-date static content.

Technologies used

Website design - MVC framework, Django, HTML

Database – MySql

Scripting – Python (for website crawling and files structure creation)

Imaging – jAlbum APIs

Next steps

- Scale the solution of scraping the static content for historical information, and store into database.

- Create other content specific templates

- Extend the use of file structure creation script for jAlbum to other parts of the website.