

Information Management Solution for THE MUSEUM OF FLIGHT

Database Management System to Store, Retrieve & Process Research Reference Request(s)

Information Problem

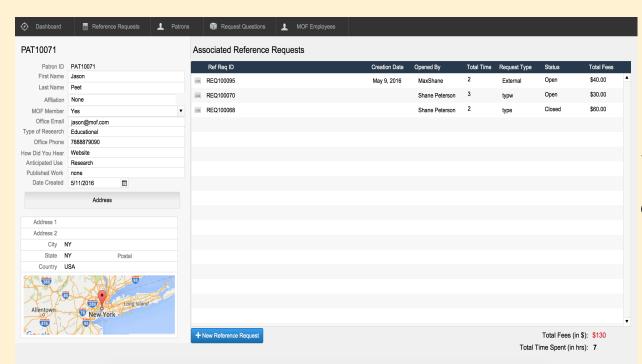
- Patrons submit reference requests through paper forms
- These forms are recorded on editable PDF's and then moved to a single Excel file



 Employees spend significant time on preprocessing



- There is no multisession access to the central file
- Difficult to track redundant requests
- System lacks sophisticated reporting

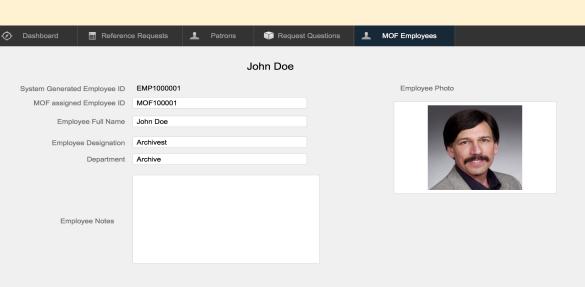


PATRONS

Stores information for all patrons and the reference request(s) initiated by them.

Distinct view of all the employees in the department

EMPLOYEES



After

Time Taken to process a request





Omid Kamiab Informatics

Gagandeep Singh MSIM

Research & Development

- Initial task was to find the Database Software product that fulfills the needs
- Executed comparative analysis of popular softwares in the market
- Feedback from the project sponsors was incorporated to decide on the solution
- Followed Software Development Lifecycle model to build the product

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CAPSTONE

2016

Pankaj Sharma

MSIM



Database Solution

- Eventual product was developed using Apple's File MakerPro
- It provides a centralized database accessible through user friendly interface
- Seperate views for reference requests, patrons & research questions available
- Efficient with ability to generate reports
- Eleminates redundancy
- Reduces use of paper and contributes towards greener environment

REFERENCE REQUESTS

Individually access and update each request.

🔗 Dashboard 📑 Reference	e Requests	s 👘 Request Ques	tions 🔔	MOF Employees	
Associated Reference Request:	REQ100067	question 1			
Question	question 1			summary	
Type of Request	External				
Internal or External	Internal	×			
How The Request Was Received	Email		0		
MOF Staff Assigned	Max	T	Summary		
MOF Collection/Resources Used	Reference library				
Refered To	Archives	•			
				Notes	
Fee Collected	\$100.00				
Time Spent	1				
Result	complete		Notes		
Status	Pending v				
Date Completed	5/13/2016				

RESEARCH QUESTIONS

Each question is available for update through this screen.

150 - 250

Number of reference request(s) Proccessed in a month

100 - 150 Before

After

Acknowledgement Amy Heidrick, CA **Archives Department** The Museum of Flight









