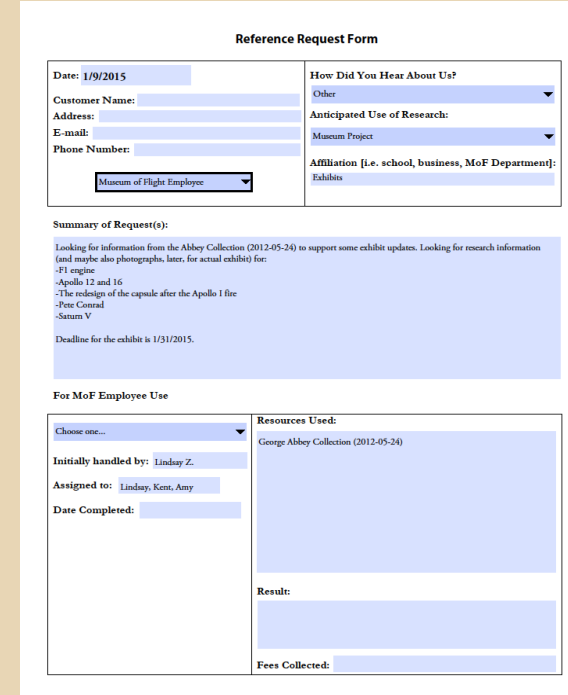


## Database Management System to Store, Retrieve & Process Research Reference Request(s)

### Information Problem

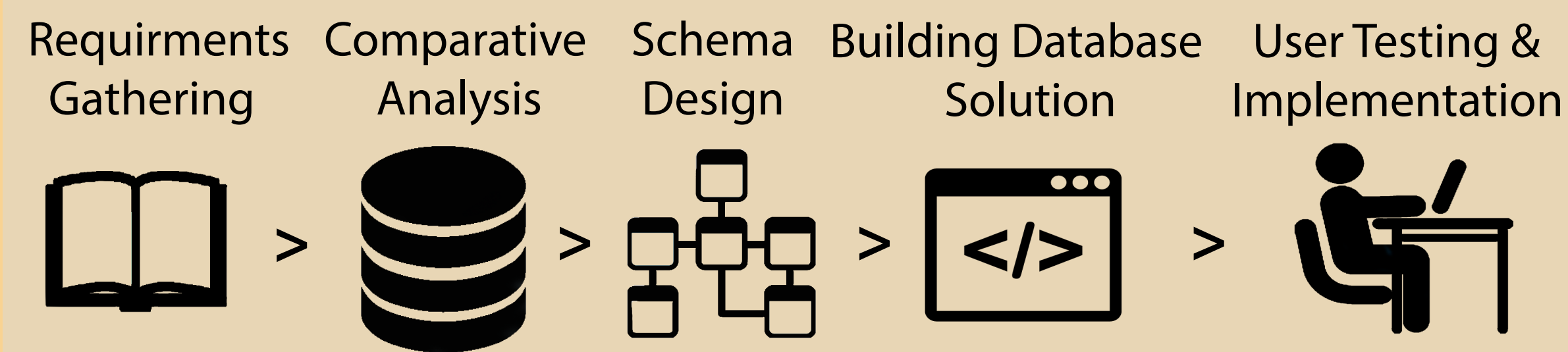
- Patrons submit reference requests through paper forms
- These forms are recorded on editable PDF's and then moved to a single Excel file
- Employees spend significant time on preprocessing



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

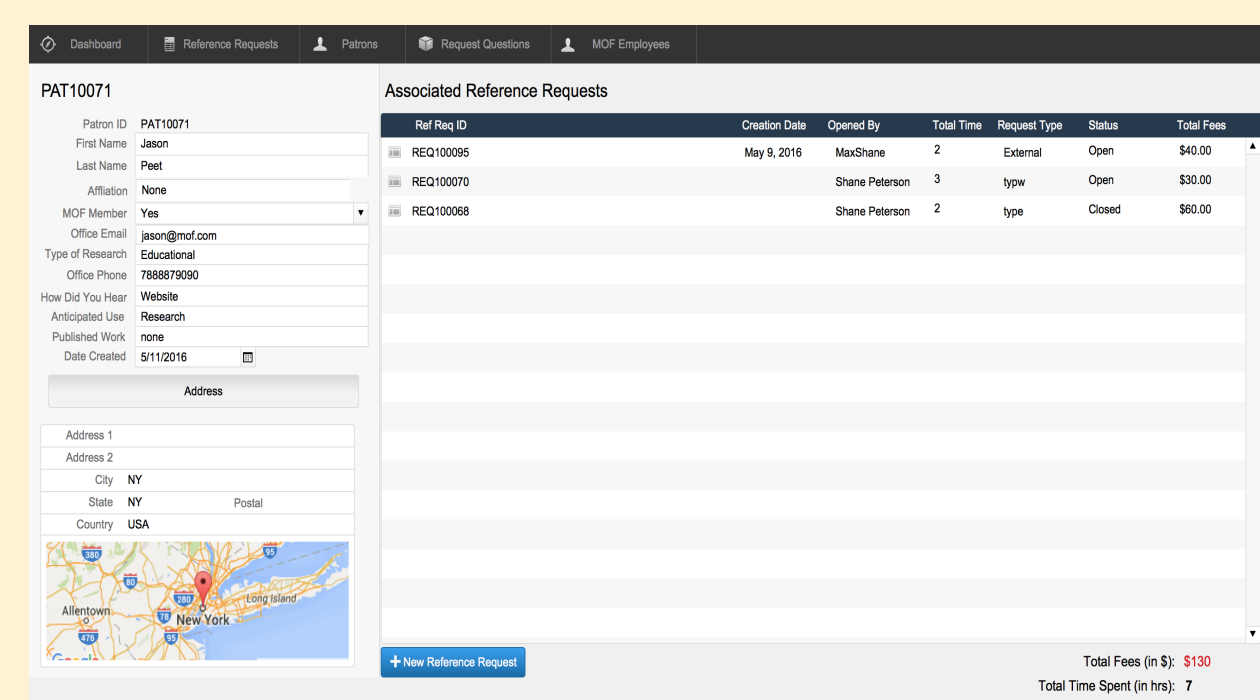
### Research & Development

- 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



### 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

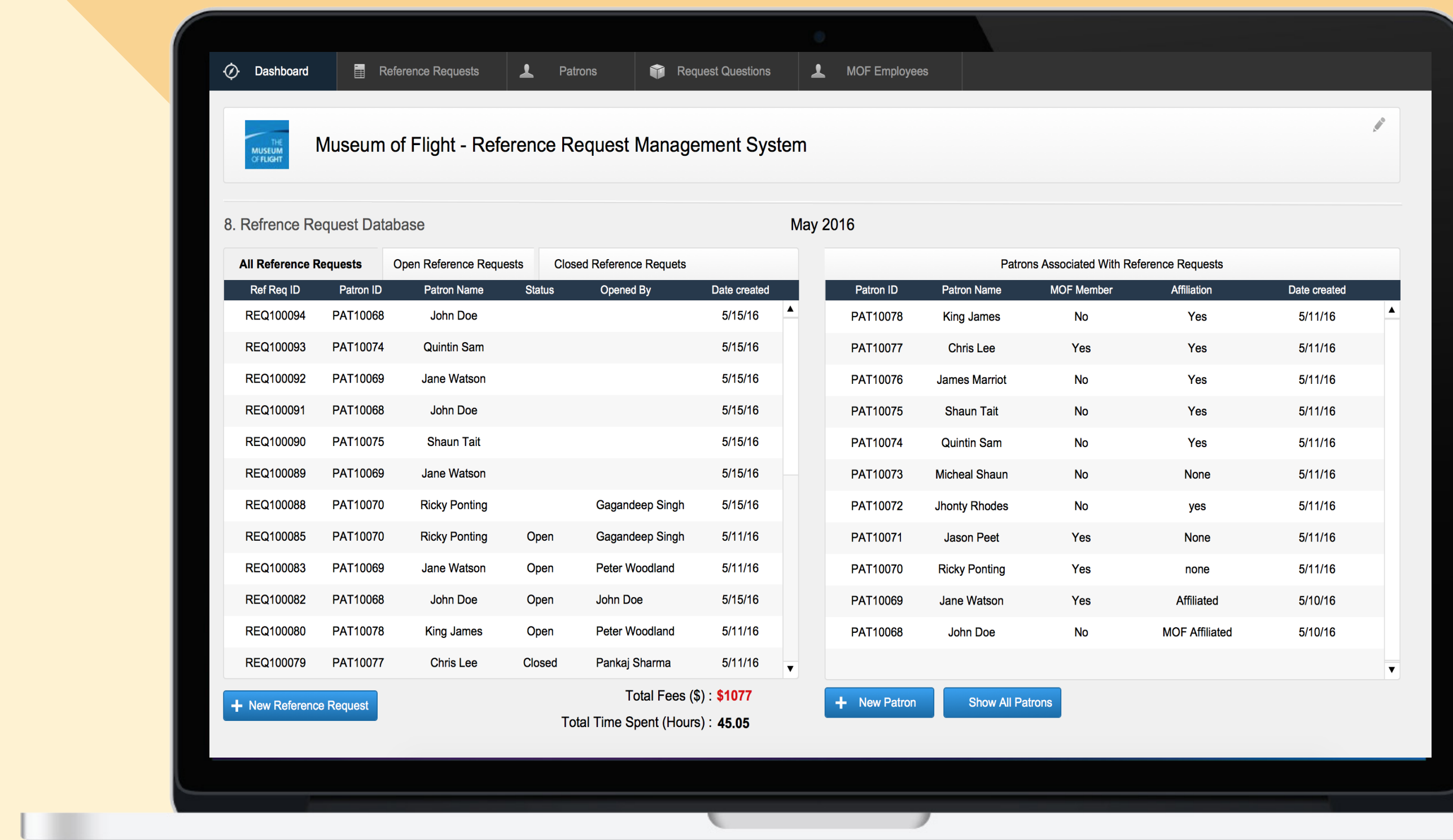
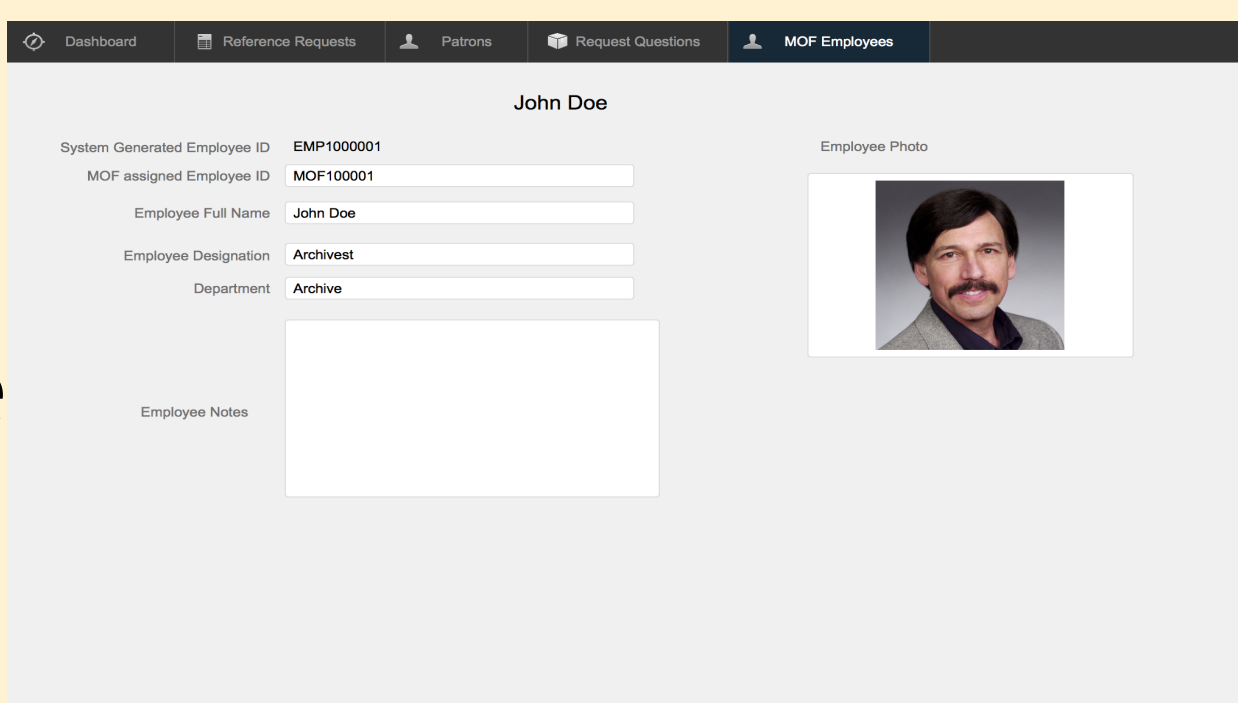


### PATRONS

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

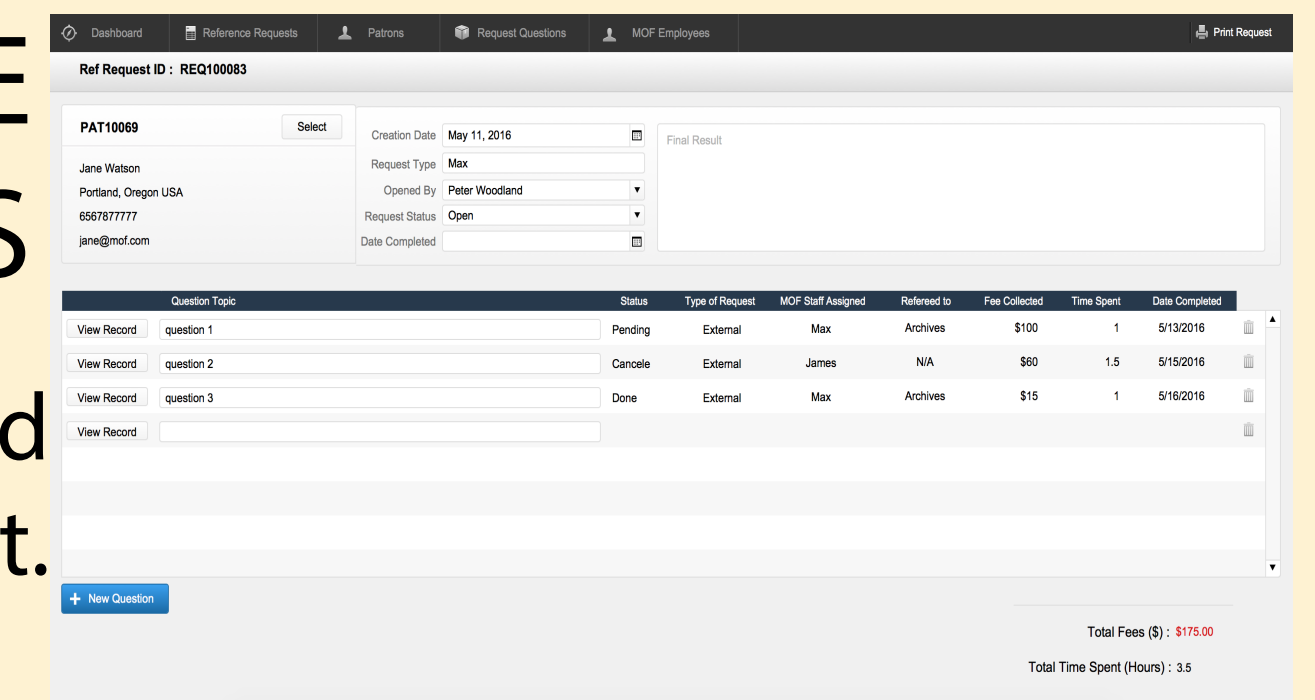
### EMPLOYEES

Distinct view of all the employees in the department



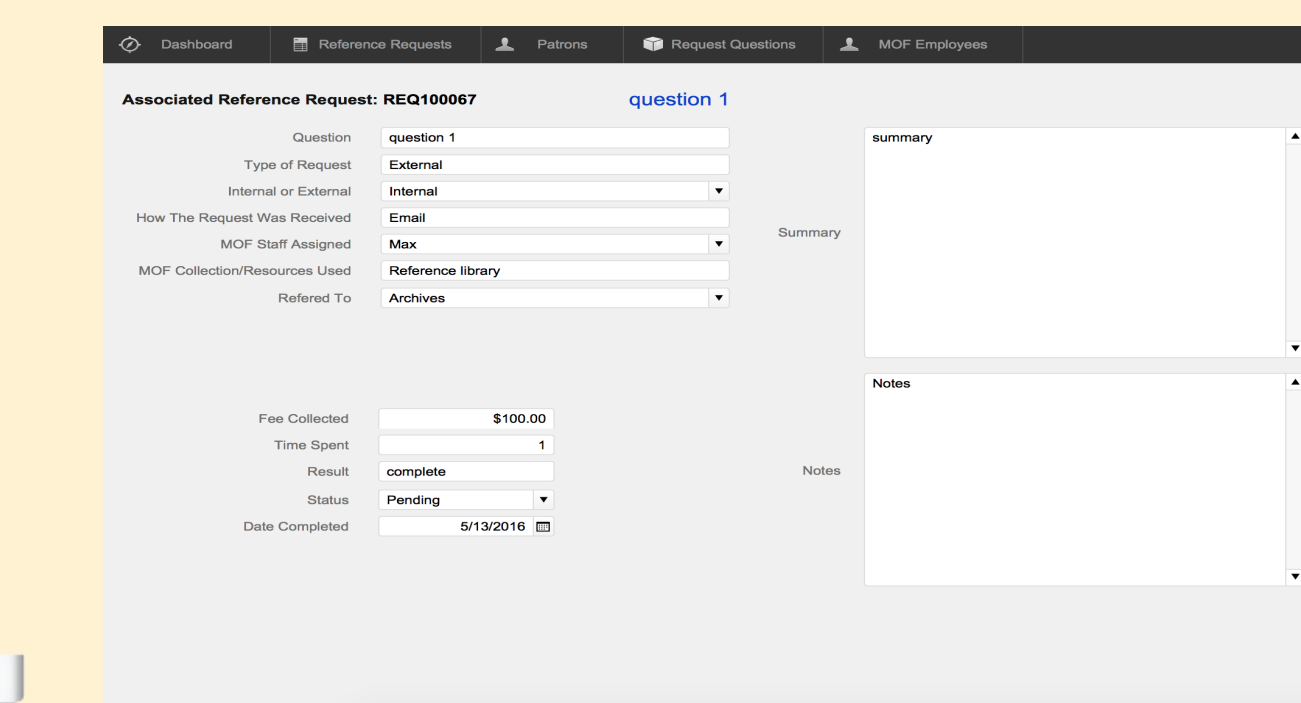
### REFERENCE REQUESTS

Individually access and update each request.

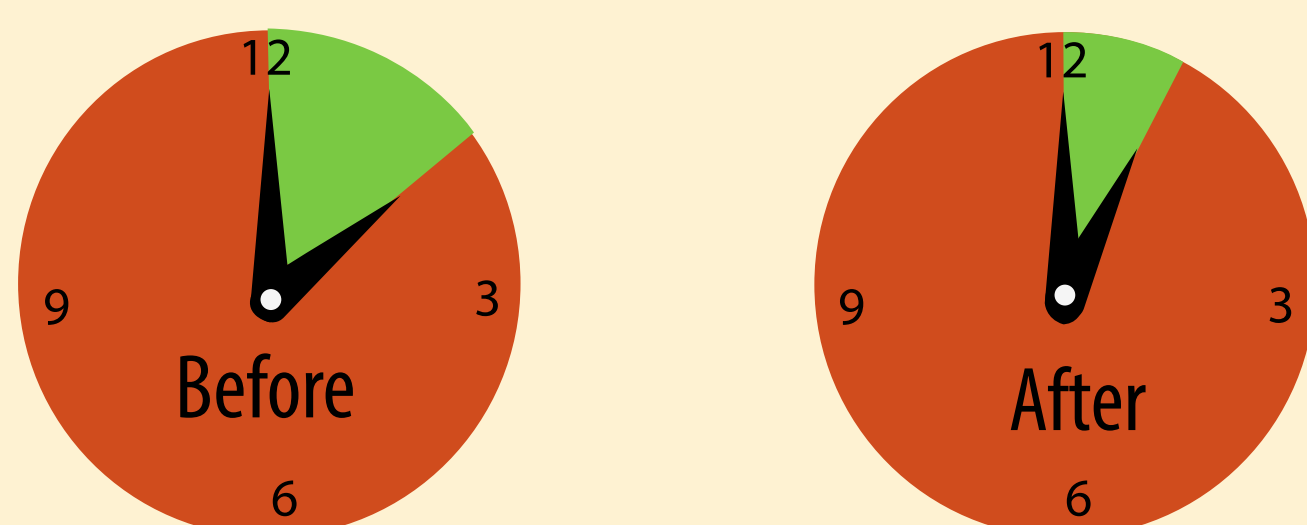


### RESEARCH QUESTIONS

Each question is available for update through this screen.



Time Taken to process a request



Number of reference request(s) Processed in a month

