

**Client:**

SJSU

**Industry:**

Education / Academics

**Headquarters:**

San Jose, California

**Project:**

Rewrite &amp; Upgrade – Financial Transaction System Application

## Upgrade and implementation of University website

### Challenge

San Jose State University needed their existing application, which was created in ASP, to be converted to ASP.Net. They needed us to recreate the financial transaction system (FTS), plus redesign the security structure and approval workflows for managing different transactions department-wise.

### Platform

After a full needs-assessment, we determined that the best tools to meet the client's needs would be:

- Database: Oracle
- Language: ASP.Net
- Web: HTML5, Bootstrap, JQuery, css3

### Solution

We worked with the application and implemented following modules:

<p><b>Travel</b></p> <ul style="list-style-type: none"> <li>• Travel Authorization</li> <li>• Travel Reimbursement</li> </ul> <p><b>Purchasing Payment</b></p> <ul style="list-style-type: none"> <li>• Requisition</li> <li>• Reimbursement</li> <li>• Direct Payment Voucher</li> </ul> <p><b>Journal</b></p> <ul style="list-style-type: none"> <li>• Budget Journal</li> <li>• Expense Journal</li> <li>• Interdepartmental Expense</li> <li>• Hospitality Payment</li> </ul>	<p><b>HR Expense Adjustment</b></p> <p><b>Security</b></p> <ul style="list-style-type: none"> <li>• Connected user creation, security roles, main menu page, and approval structure together.</li> <li>• Security passes between pages (through navigation)</li> <li>• Authentication</li> <li>• Shibboleth</li> <li>• Secondary login page</li> <li>• Redirection and reauthorized if time out occurs</li> <li>• Log off capabilities (log out page)</li> </ul> <p><b>Admin</b></p> <ul style="list-style-type: none"> <li>• Alternate Login Page</li> <li>• Main Menu</li> <li>• Profile Page</li> <li>• Preference Page</li> <li>• Security Page</li> <li>• Account/Fund Parameter Page</li> <li>• Transfer Accounts Page</li> <li>• Year End Parameter Page</li> <li>• Message Catalog Page</li> </ul>
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## Results

Key benefits realized are as follows:

- More efficient and fast paced environment for the application and web services.
- Betterment in quality and all data acquisition.
- Backend system with full functionality to manage data and reporting.