

# SGU Case Study

## OVERVIEW

The system interfaced to existing Oracle scheduling and grading systems, allowing disparate systems that had grown over time to integrate for a better business flow. The Oracle infrastructure provided a scalable base as the University grew with student population.



"I have been blessed to develop multiple software products with SphereGen over the past 4 years. They are knowledgeable, talented and highly efficient! I highly recommend them!"

-Christopher Magnifico, SGU

**Client:** Client is a large medical school.

**Problem:** Manual Clerkship Management process which includes data management and tracking of rotation requirements and schedules for over a thousand students.

For each student, the following needs to be determined and tracked regarding student requirements:

- Completion status of the requirements versus expected timeframe
- Based on the completed requirements, which rotations are still needed
- What hospitals have available openings to match the needed rotations per student

1. All data was managed manually using spreadsheets
2. Complex functionality required multiple staff to maintain
3. University growth was painful as inefficient systems caused staffing increases and more confusion
4. Existing communication between the administration and the student about rotation matches and fulfilling requirements, was limited due to shortage of staff

**Solution:** SphereGen created and deployed a web-based scheduling system using Oracle infrastructure. All players including students, staff (Registrar, Finance, Clinical Coordinators) and the hospitals had appropriate access to the data they needed in order to track rotation requirements, match rotation schedules, track payments/financial aid/contracts, and communicate about the decisions made.

This system also interfaced to existing Oracle scheduling and grading systems, allowing disparate systems that had grown over time to integrate for a better business flow. The Oracle infrastructure provides a scalable base as the University grows with an increasing student population.

**Impact:** With an on-line Clerkship Management system, the university can grow and accommodate more students, without having to increase the staff level to manage the students' schedules. Scheduling is completed more efficiently and effectively as all data is managed on-line and accessible by multiple players. The students and the hospitals undergo a positive experience scheduling a rotation, reducing the stress level for students in the process.

**Platform:** Combination of Oracle and Microsoft.net

**Skills:** ASP.net MVC Architecture  
JQRY  
MS SQL  
Azure MS Server

Microsoft  
Partner  


Gold Application Development  
Silver Cloud Platform  
Silver ISV