SANTA CLARA COUNTY OFFICE OF EDUCATION

CLASS TITLE: SOFTWARE ENGINEER LEAD

BASIC FUNCTION

Under assigned supervision

nd maintains highly complex web-based business applications for the Santa Clara County
cation ("SCCOE"), districts, schools and community; codes, tests and scripts programs and
ing web-based interactive technologies; scopes projects; schedules and coordinates the
efforts of staff to assure timely completion of projects; organizes and leads the team in
development processes or other agile work management methods.

HING CHARACTERISTICS

Research and select software, hardware and infrastructure for system implementation based on customer needs, time, budget and feature restrictions; organizes facilitates meetings with customers; develops and document functional and T/feScat84s95esrec

KNOWLEDGE AND ABILITIES

KNOWLEDGE OF:
ScrumMaster roles and processes.
Agile work-management principles and methods
Software, hardware and infrastructure for system implementation.
Object-oriented methodology, including modeling, role playing, storyboarding and other methods.
Principles of adult learning and providing work direction and guidance to others.
Research and implement new technologies and provide technical direction and assistance to the team.
Internet application development including HTML, ASP.NET, VB.NET, JavaScript. and ODBC
Object oriented design and one or more object-oriented programming languages.
Database performance optimization.
SQL query design.
Server-side scripting techniques including Active Server Pages (ASP or ASP.NET) as well as VB.NET- client-side scripting such as JavaScript.
Job flow within client server computing environment with networked servers.
Systems analysis and design.
NT or similar operating systems.

Create and maintain the Internet and Intranet web sites.
Create HTML Files.
Integrate document management system and documents with Web pages.
Transfer files from and to web servers.
Communicate with various users regarding content posted on the Web and meet their needs.
Create programs to allow users to view and/or manipulate data residing on a server through a browser (Web-enabling).
Prioritize and schedule work.
Work independently with little direction.