

## VICTOR VALLEY COMMUNITY COLLEGE DISTRICT

**CLASS TITLE: SENIOR WEB DEVELOPER**

**FLSA STATUS: NONEXEMPT**

**BASIC FUNCTION:**

Under the direction of an area administrator. This position is responsible for implementing, maintaining, designing, developing, programming, testing and supporting the District's web sites including social media applications and applications developed in-house and/or by a third party; responsible for integrating various systems with web applications; train faculty and staff in information posting techniques; provide work direction to assigned personnel.

**REPRESENTATIVE DUTIES:**

Design; develop, analyze, modify, support and debug web-based applications written in a variety of programming languages. *E*

Integrate various systems with existing business applications including, but not limited to student information, payment systems, learning management systems, content management systems, and identity and access management systems. *E*

Coordinate, produce and publish content for the web and social media sites. Maintain presence and integration on social media sites and ensure content is current. *E*

Use various relational database management systems to design databases, produce applications and facilitate the integration of disparate systems. *E*

Research accessibility issues and ensure compliance with the Americans with Disabilities Act (ADA), Section 508 compliance and related regulations. *E*

Contribute toward the development of Internet and web related policies and procedures. *E*

Participate on committees as an expert in the appropriate use of Internet-based technology and web sites in accordance with district wide policy and standards as well as industry best practices. *E*

Analyze web usage (Google Analytics) and generate reports as required. *E*

Provide, coordinate or facilitate training and technical support for faculty and staff in the areas of HTML, web development and web site accessibility. *E*

Participate in the planning and support of hardware, software and network operations as it relates to supported applications. *E*

Interact with District personnel as required to provide documentation and assistance to program and system users. *E*

Interact with users to help identify areas of improvement for assigned systems. *E*

Act as the top tier technical support for assigned applications including interaction with third party vendor support on complex issues. *E*

Contribute to the continuous improvement of the District's content management system. *E*

Maintain knowledge of current trends and developments in Internet technology. *E*

Work with department chairs and other faculty and staff to develop, maintain and update department web pages and to understand needs for the development of web-based instructional tools that are developed. *E*

Develop database oriented information delivery mechanisms to support posting material on the web; develop style guidelines for graphics and logos, color schemes and backgrounds; develop templates for use by faculty, that can easily import their desired course content without compromising their content area expertise; assure that all accessibility standards for the disabled are met. *E*

May occasionally require working evenings and weekends with little advanced noticed.

Perform related duties as assigned.

## **KNOWLEDGE AND ABILITIES:**

### **KNOWLEDGE OF:**

Knowledge of front-end technologies (i.e. DNN, JavaScript, JQuery, CSS, HTML5).

.NET (C# programming) or Java Programming.

Web Services development (REST/SOAP/JSON).

Principles and techniques of web programming, analysis and social media integration.

JavaScript frameworks such as JQuery.

Web User Interface Design (UI).

Managing and using a Content Management System.

TFS (Source code management)/GIT

Database systems including Relational Database Management Systems (RDBMSs) and Structured Query Language (SQL).

Internet protocols including Hypertext Transfer Protocol (HTTP) and File Transfer Protocol (FTP).

System Development Life Cycle (SDLC)/SCRUM/Agile

Working knowledge of Windows Server operating systems.

Cross-browser compatibility.

Page layout and design of web pages.

Web project management, structured design techniques, information architecture and usability as it relates to the web.

ADA law, regulations and compliance requirements.

Indexing and search methodologies, compression and encryption standards,

streaming video and audio methods, and videoconferencing.  
Graphics creation tools including graphics, multimedia, publishing animation, and web development software such as Photoshop, PageMaker, Illustrator, Corel Xara, Xara d-D, or equivalents.  
Current knowledge of technological advances in the field.  
District organization, operations, policies and procedures.  
District's standard tools, methods and systems.  
Change Management (both web administration and development).  
Web Development Life Cycle.

**ABILITY TO:**

Develop, implement and manage the college web site and social media presence. Operate various software programs in the development and maintenance of the web site.  
Develop and/or write programs to deliver instructional, student support and administrative services.  
Develop database oriented information delivery mechanisms to support posting material on the web.  
Develop style guidelines for graphics and logos, color schemes and backgrounds. Develop templates for use by faculty.  
Provide interfaces between web services and other computer-based information services.  
Prepare and present reports as necessary.  
Work effectively as a team member.  
Establish and maintain cooperative and effective working relationships with others.  
Meet schedules and timelines.  
Maintain documentation and records.  
Handle multiple assignments simultaneously.  
Communicate clearly and concisely, both orally and in writing with technical and non-technical employees.  
Plan and organize work.  
Work independently with little direction.  
Exhibits confidence and knowledge of emerging industry practices when solving business problems.  
Establish and maintain effective working relationships with others.  
Exercise sound judgement in complex situations.  
Maintain high customer satisfaction through the delivery of high quality, timely and thorough solutions to customer problems.

**EDUCATION AND EXPERIENCE:**

Any combination equivalent to: Associate's degree in computer science or related field plus four (4) or more years' experience with web programming/development or an equivalent combination of education and experience sufficient to successfully perform the representative duties of the job such as listed above. Preferably experience working in higher education.

**LICENSES AND OTHER REQUIREMENTS:**

Valid California driver's license.

**WORKING ENVIRONMENT AND PHYSICAL DEMANDS:**

*Disclosure:*

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

*Normal Office Environment:*

While performing the duties of this job the employee is regularly required to walk, stand, sit for extended periods of time; speak and hear to communicate with internal and external personnel; use hands and digits to type or handle materials; bend at the waist, kneel or crouch to work on computer equipment; and view a computer monitor for extended periods of time. The employee is occasionally required to lift, up to 50 pounds, carry, push and pull equipment. While performing the duties of this job, the noise level in the work environment is usually quiet.