

# California Student Aid Commission



## **Web Services GPA Functionality**

### **User Manual**

**April 2009**

## Overview

The GDS Web Services is an application available to schools that will provide the capability to upload and download Grade Point Averages (GPA) to WebGrants. This is the first of many Web Services that the California Student Aid Commission (CSAC) is offering to schools. Web Services allows schools to download and view the GPAs that are in WebGrants, edit the GPAs online, and submit them to WebGrants in a real time mode. The WebGrants upload and download functionality only allows schools to upload and download the files. There is no view and real time editing of the files.

## Demo Application

The sample application can be downloaded by the designated Security/System Administrators (SA) at each school. This sample application will provide the schools with a tool to exchange data with CSAC's WebGrants. The following Guide will assist you in downloading the Tool and provide information on the screen functionality. The Security Administrator will log onto WebGrants and click on the WebGrants link:

**Note:** All screen shots have all the SSNs blanked out so they are not shown. The SSNs will be shown in the demo Application screens.

The following screen is in testing and will not be shown until implemented.

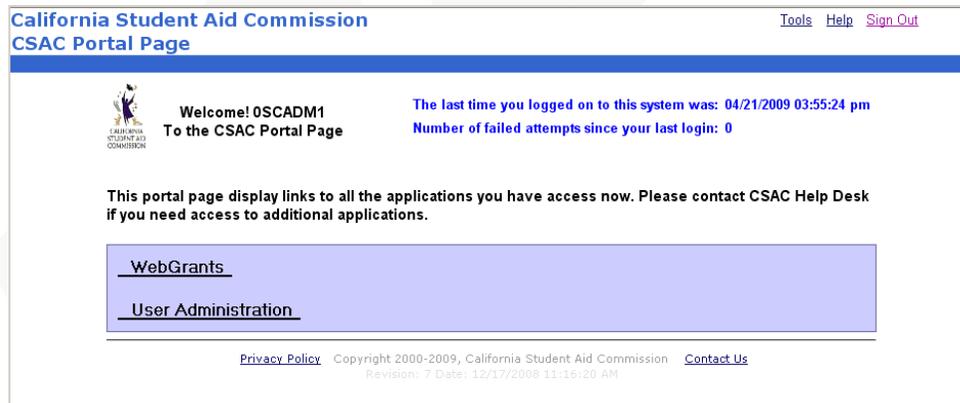


Figure 1 - WebGrants Application Portal Page

# Web Service Demo Application User Manual

On the WebGrants Main Menu Screen select the “**Web Services Registration**” link.

California Student Aid Commission  
WebGrants System Enrollment GPA Menu Student Info School Info Roster/Reconciliation Data Transfer Accounting Operations Info Web Service Registration Byrd Scholarship

Portal Page WebGrants Home Tools Help Sign Out

 **Welcome! 0SCADM1**  
**To the WebGrants System**

The last time you logged on to this system was: 04/21/2009 03:55:24 pm  
Number of failed attempts since your last login: 0

Please contact your School's System Administrator if you need access to additional screens.

Options	Account Information
<ul style="list-style-type: none"><li>Enrollment</li><li>GPA Menu</li><li>Student Info</li><li>School Info</li><li>Roster/Reconciliation</li><li>Data Transfer</li><li>Accounting</li><li>Operations Info</li><li>Web Service Registration</li><li>Byrd Scholarship</li></ul>	<ul style="list-style-type: none"><li>View Your Account Details</li><li>Help With Your Account</li></ul>

Privacy Policy Copyright 2000-2009, California Student Aid Commission Contact Us  
Revision: 8 Date: 12/17/2009 11:38:29 AM

Figure 2 - WebGrants Main Menu Screen

# Web Service Demo Application User Manual

The SA will have to grant authority to WebGrants Users and/or Financial Aid Officers (FAO) at their school to access the Web Services Application. The IP address of each user's PC will be required to authorize them access to Web Services. So acquire the IP address of each user prior to registering.

California Student Aid Commission [WebGrants Home](#)  
Web Services

---

**CSAC Web Service Registration**

- Click on '**Select**' to edit user access to Web Service and/or IP Address.
- Only Users with '**Write/Grant**' access to GPA will be in the Users list and allowed to use the Demonstration Program.

Available Users for GPA Web Services

Web Service	Name	IP Address	User Id
<a href="#">Select</a> <input type="checkbox"/>	SCHOOL, USER2		USER2
<a href="#">Select</a> <input checked="" type="checkbox"/>	School, User one	001.001.001.001	0SCUSER1
<a href="#">Select</a> <input checked="" type="checkbox"/>	School, Admin		0SCADM1
<a href="#">Select</a> <input type="checkbox"/>	TEST, WEB		WEB_TEST
<a href="#">Select</a> <input type="checkbox"/>	Test, james 2		JJ52705

---

**Web Services Demonstration Project**

This is a temporary application to demonstrate the potential of Web Services for information transfer of Cal Grant data. Long term support will not be available for this application.

Distribution of this application is allowed only for authorized WebGrants users. Use of this application without authority or in excess of authority subjects the user to disciplinary action. The Commission may monitor any activity or communication through the system and retrieve any information stored within the system. By accessing and using this application, you are consenting to such monitoring and information retrieval for law enforcement and other purposes.

[Download Demo Application](#) [Download Demo Source Code](#)

**Figure 3 - Web Service Registration / Download Screen**

Click on **Select** to edit the IP address and to allow the user to access Web Services. You grant the Users access to the system by clicking on the Web Service box and adding the IP address of each authorized user.

# Web Service Demo Application User Manual

California Student Aid Commission [WebGrants Home](#)  
Web Services

---

**CSAC Web Service Registration**

- Click on **Select** to edit user access to Web Service and/or IP Address.
- Only Users with **Write/Grant** access to GPA will be in the Users list and allowed to use the Demonstration Program.

Available Users for GPA Web Services

Web Service	Name	IP Address	User Id
Select <input type="checkbox"/>	SCHOOL, USER2		USER2
Select <input checked="" type="checkbox"/>	School, User one	001.001.001.001	OSCUSER1
Select <input checked="" type="checkbox"/>	School, Admin		OSCADM1
Select <input type="checkbox"/>	TEST, WEB		WEB_TEST
Select <input type="checkbox"/>	Test, james 2		JJ52705

Web Service	<input checked="" type="checkbox"/>
Name	School, User one
IP Address	001.001.001.001
User Id	OSCUSER1
Update Cancel	

---

**Web Services Demonstration Project**

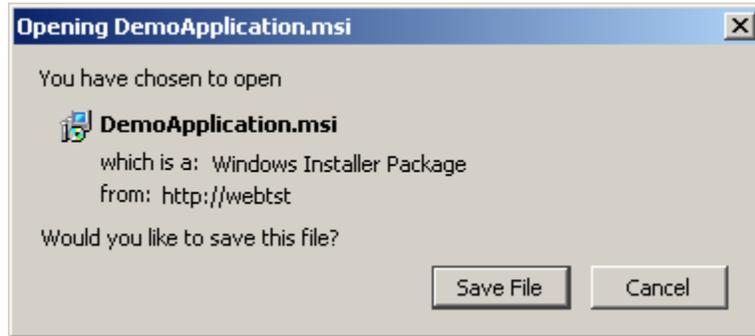
This is a temporary application to demonstrate the potential of Web Services for information transfer of Cal Grant data. Long term support will not be available for this application.

Distribution of this application is allowed only for authorized WebGrants users. Use of this application without authority or in excess of authority subjects the user to disciplinary action. The Commission may monitor any activity or communication through the system and retrieve any information stored within the system. By accessing and using this application, you are consenting to such monitoring and information retrieval for law enforcement and other purposes.

[Download Demo Application](#) [Download Demo Source Code](#)

**Figure 4 - Web Service Registration Screen with editing user**

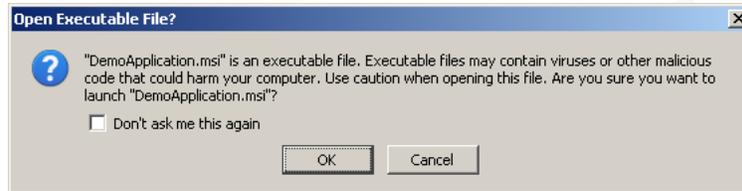
Click **Download Demo Application** and the system will prompt you to ensure you want to download the application. The wizard will assist you in downloading the application.



**Figure 5 - Download message box (Fire Fox Browser)**

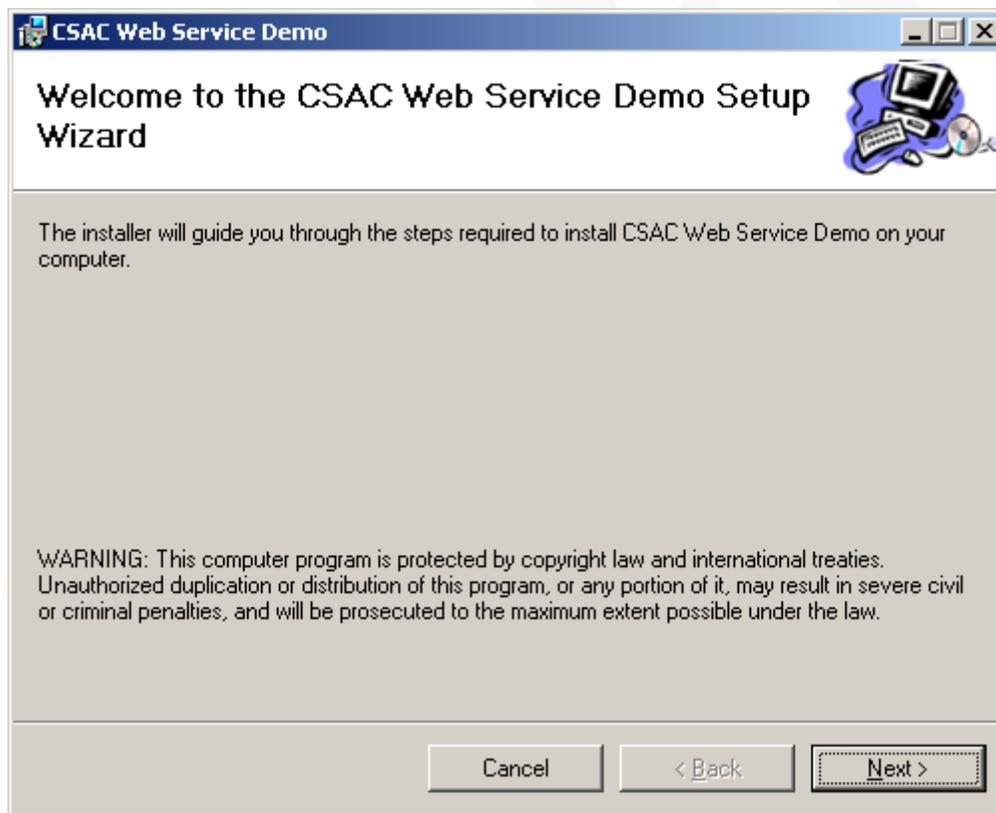
Click **Save File**

After the file is downloaded, go to the location where the file is saved and open the file.



**Figure 6 - Security Warning**

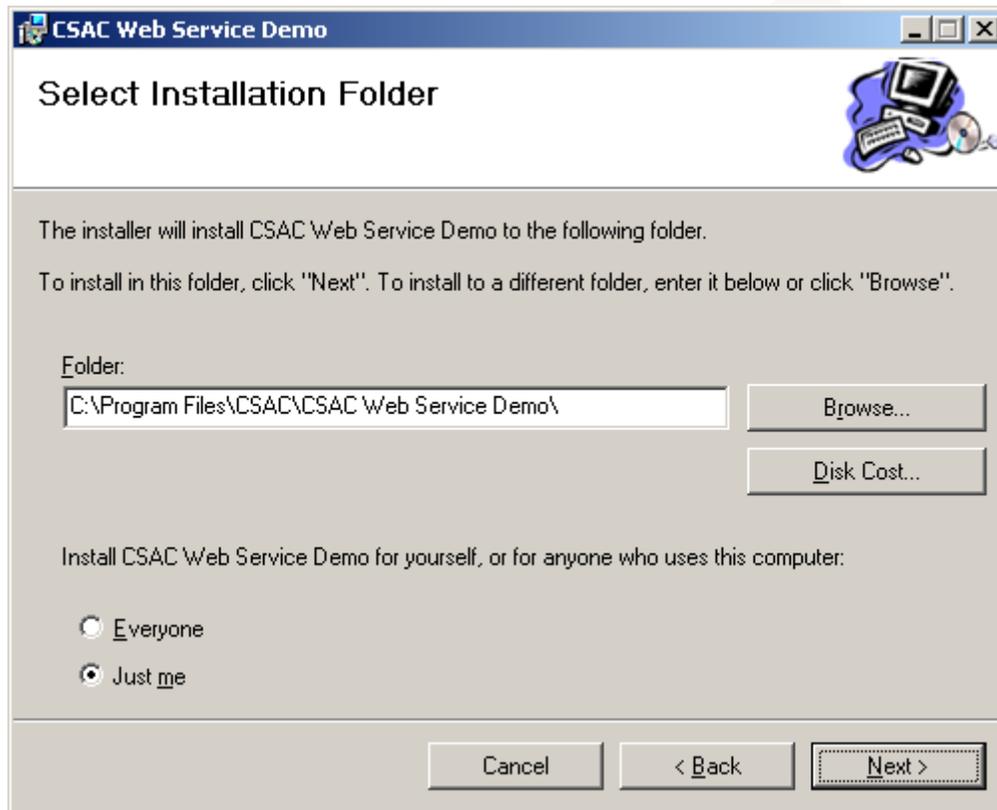
This is just a security memorandum, Click **OK**.



**Figure 7 - Web Service Demo Setup (Step 1)**

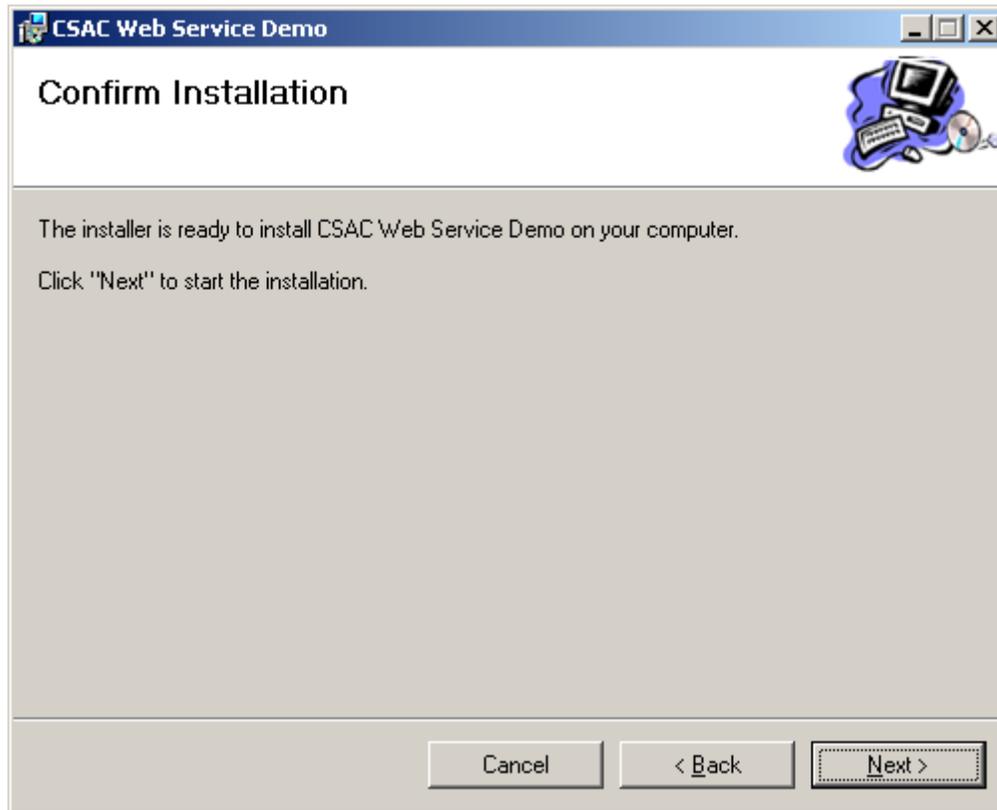
Click **Next**

You must enter the path to where you want the sample client to be saved. The application should be saved to a server if you have multiple users. This way multiple users can share/view the same database information and any changes.



**Figure 8 - Web Service Demo Setup (Step 2)**

Enter path of where you want to tool to be saved and click **Next**.



**Figure 9 - Web Service Demo Setup (Step 3)**

**Click Next**

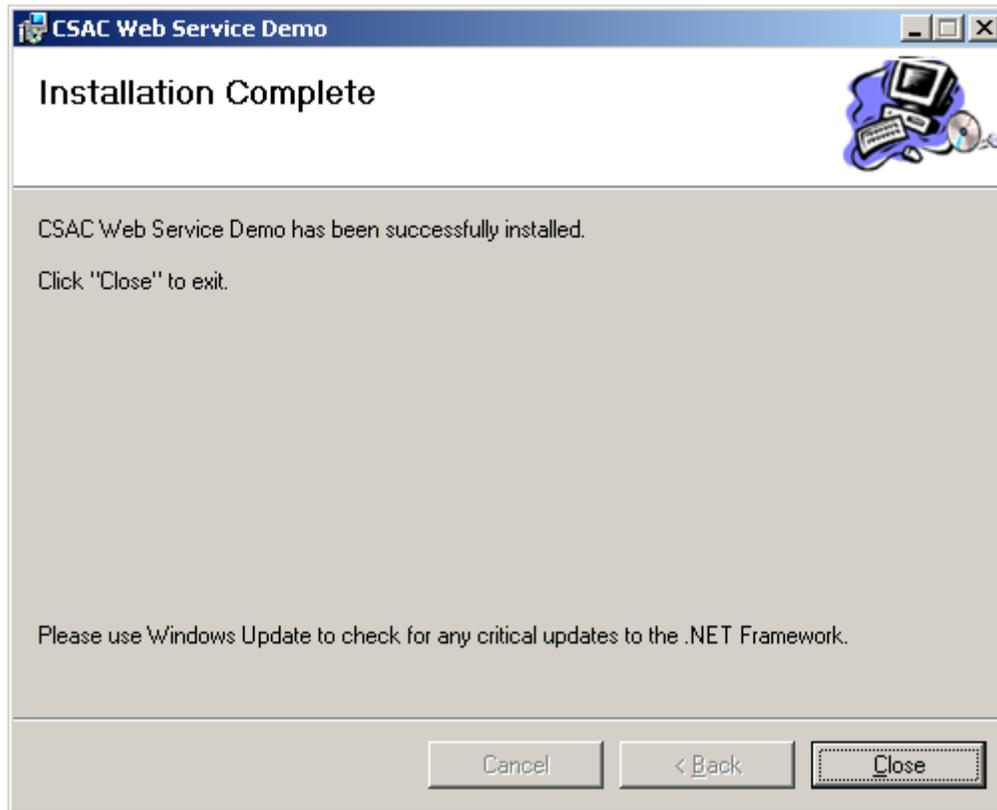


Figure 10 - Web Service Demo Setup (Step 4)

Click **Close**

To open the application that you just downloaded to your server, use the following steps:

On the menu bar go to:

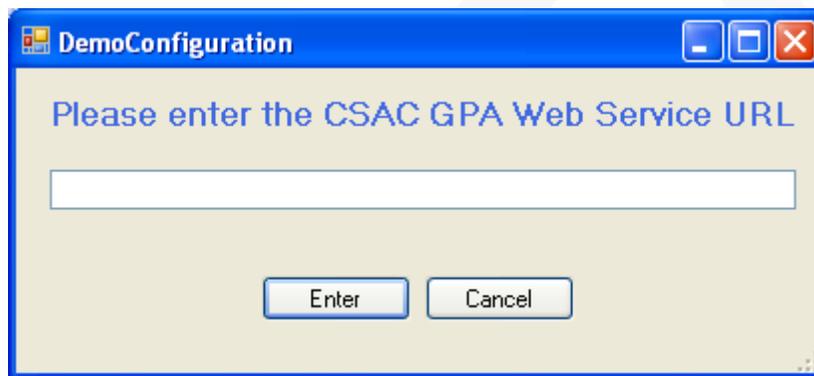
**Start ->**

**All Programs ->**

**CSAC WebService Demo ->**

**CSAC WebService Demo Program**

The first time the application is run, or until the demo configuration is completed without errors, the following window will be seen.



**Figure 11 - Demo Application Configuration screen**

Now you will need to key in the following CSAC Web Server URL. Without this entry, the demo program will not be able to talk to CSAC.

<https://webservices.csac.ca.gov/CSACWebService.asmx>

Click **Enter**

Input your WebGrants User ID and Password.

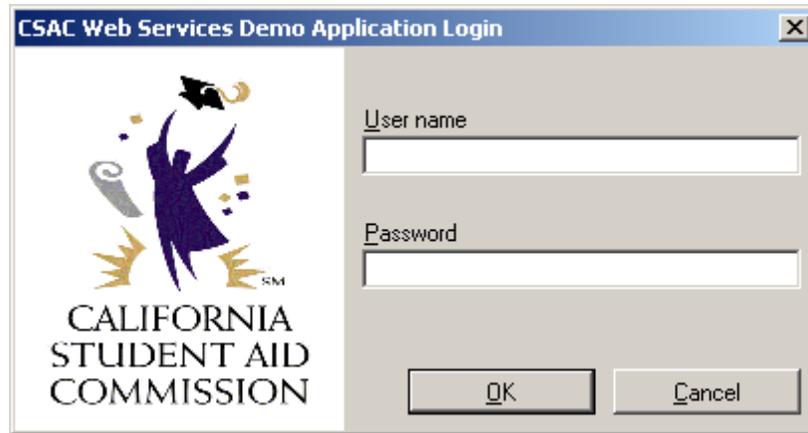
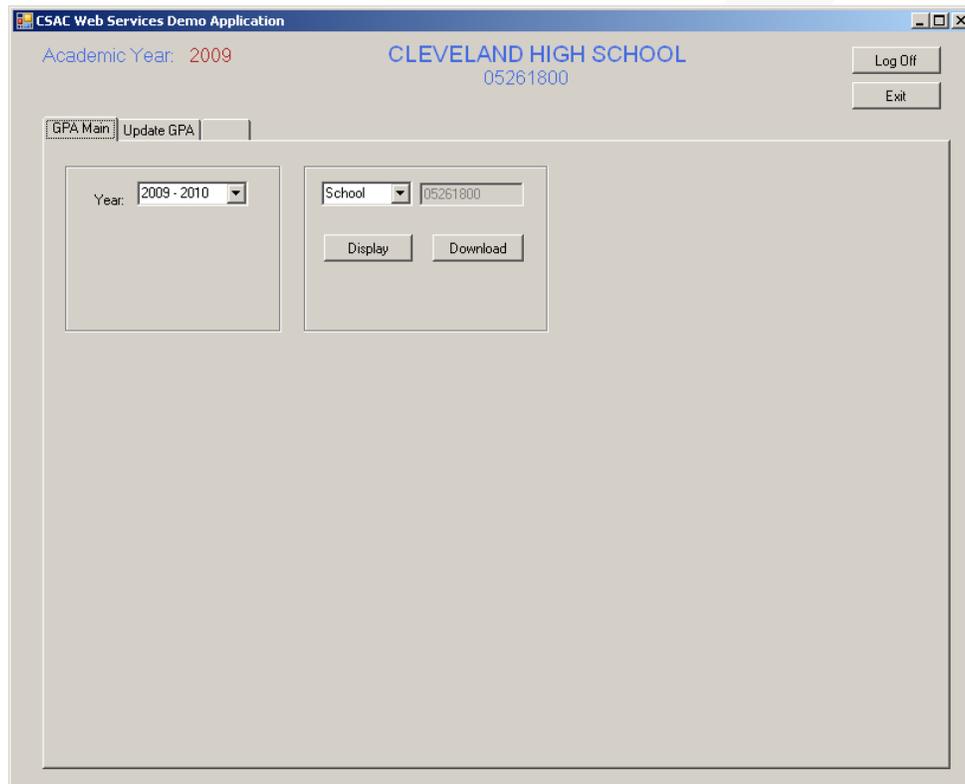


Figure 12 - Demo Application Login window

Enter your WebGrants User ID and Password. Click **OK**

Once you sign in, the Sample application will open.  
After signing in, the application at your respective school will only provide data on your students.



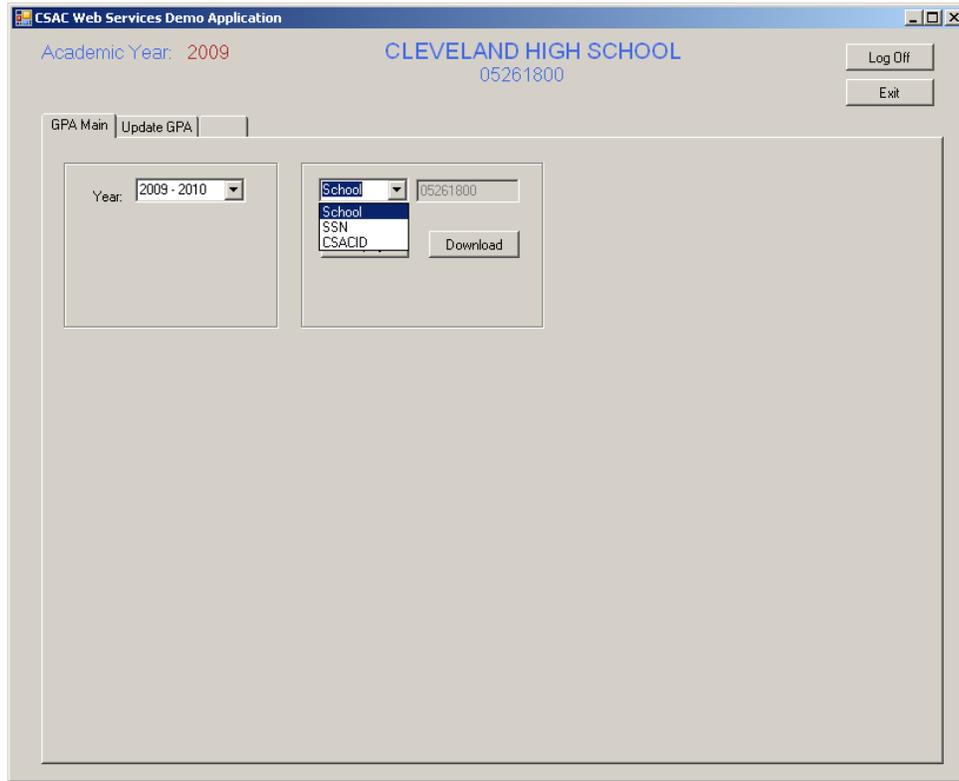
**Figure 13 - GPA Main Tab**

Select the academic year and school, if you are assigned to multiple schools. Click display or download to see the students that are in WebGrants with GPAs from your school.

The **Display** button provides all the data that is stored on the local **Demo Application Access** database at your school that is part of this tool (your sample client).

The **Download** button provides all the GPA information for your students in WebGrants and saved in the local **Demo Application Access** database.

# Web Service Demo Application User Manual



**Figure 14 - GPA Main Tab with selections shown**

You can select by **School Code**, **SSN**, or **CSAC ID** to Display or Download record(s).

# Web Service Demo Application User Manual

The screenshot shows a web application window titled "CSAC Web Services Demo Application". At the top, it displays "Academic Year: 2009" and "CLEVELAND HIGH SCHOOL 05261800". There are "Log Off" and "Exit" buttons in the top right. Below this, there are tabs for "GPA Main" and "Update GPA". The "GPA Main" tab is active, showing a form with a "Year" dropdown set to "2009 - 2010" and a "School" dropdown set to "05261800". There are "Display" and "Download" buttons below the form. Below the form is a table with the following data:

	SSN	StudentName	RecordType	SchoolCode	SchoolName	Value	HSGradDate	ReceivedDate
▶		GARCIA, ROBERT M	E	05261800	CLEVELAND HI...	2.91	6/1/2009	4/7/2009
		GARCIA, ROBERT M	E	05261800	CLEVELAND HI...	2.92	6/1/2009	12/9/2008
		WILLIAMS, SHAWNNTA Q	G	05261800	CLEVELAND HI...	3.01	6/1/2009	4/16/2009
		WILLIAMS, SHAWNNTA Q	E	05261800	CLEVELAND HI...	2.95	6/1/2009	2/10/2009
			G	05261800	CLEVELAND HI...	3.77	6/1/2009	2/9/2009
			G	05261800	CLEVELAND HI...	2.69	6/1/2009	12/9/2008
			G	05261800	CLEVELAND HI...	3.69	6/1/2009	12/3/2008
			G	05261800	CLEVELAND HI...	3.7	6/1/2009	12/3/2008
			G	05261800	CLEVELAND HI...	2.5	6/1/2009	2/5/2009
			G	05261800	CLEVELAND HI...	3.88	6/1/2009	12/3/2008
			G	05261800	CLEVELAND HI...	3.38	6/1/2009	2/10/2009

At the bottom of the table, there are "Previous" and "Next" buttons.

**Figure 15 - GPA Main Tab with records displayed**

All students assigned to the school will display. You can click **Next** to go to the next page.

To create a GPA record or upload a GPA file, the **Update GPA** tab will be used.

The screenshot shows a web application window titled "CSAC Web Services Demo Application". The header area displays "Academic Year: 2009" and "CLEVELAND HIGH SCHOOL 05261800". There are "Log Off" and "Exit" buttons in the top right. Below the header, there are two tabs: "GPA Main" and "Update GPA", with "Update GPA" being the active tab. A "September only GPA's" checkbox is located on the left. On the right side, there are two buttons: "Pending GPAs" and "Load GPA File". The main content area is divided into two sections. The left section is titled "Create New GPA Record" and contains an "SSN" dropdown menu, a text input field, a "Retrieve" button, a "New GPA:" text input field, and a "Submit" button. The right section is for editing pending records and contains four text input fields labeled "Name:", "High School Grad Date:", "School Code:", and "Old GPA:".

**Figure 16 - Update GPA Tab (Create New GPA Record)**

This tab has two different modes of operation. The first mode (Create New GPA Record) is to create a single GPA record that is automatically submitted to CSAC when the **Submit** button is clicked. The second mode (Edit GPA Pending Records) is to edit and upload a GPA Upload file. To enter this mode, select **Pending GPAs** or **Load GPA File** buttons. To exit back to Create GPA Record mode, click on the **Clear** button at the bottom of the screen.

# Web Service Demo Application User Manual

CSAC Web Services Demo Application

Academic Year: 2009 CLEVELAND HIGH SCHOOL 05261800

Log Off  
Exit

GPA Main Update GPA

September only GPA's  Pending GPAs Load GPA File

**Edit Pending GPA Records**

SSN  Retrieve

New GPA:  Save

Name:   
High School Grad Date:   
School Code:   
Old GPA:

AcademicYear	SSN	GPA	SchoolCode	HSGradDate	HSFlag	SpringSchoolCd
--------------	-----	-----	------------	------------	--------	----------------

Submit Clear

**Figure 17 - Update GPA Tab (Edit Pending GPA Records)**

To **Create New GPA Record**, enter the student **SSN** or **CSAC ID** and click on the **Retrieve** button. If a current GPA record is found, the screen will display the record and if one is not found, the Application will create a record and display it.

# Web Service Demo Application User Manual

The screenshot shows a web application window titled "CSAC Web Services Demo Application". The header includes "Academic Year: 2009" and "CLEVELAND HIGH SCHOOL 05261800". There are "Log Off" and "Exit" buttons in the top right. Below the header, there are "GPA Main" and "Update GPA" tabs. A "September only GPA's" checkbox is present. On the right, there are "Pending GPAs" and "Load GPA File" buttons. The main content area is divided into two sections. The left section, titled "Create New GPA Record", contains an "SSN" dropdown, a "Retrieve" button, a "New GPA:" input field with the value "3.10", and a "Submit" button. The right section contains a "Name:" input field with "WILLIAMS, SHAWNNTA Q", a "High School Grad Date:" input field with "6/1/2009", a "School Code:" input field with "05261800", and an "Old GPA:" input field. Below these sections is a table with the following data:

	SSN	StudentName	RecordType	SchoolCode	HSGradDate	HSFlag	SchoolName	Value	CCFlag
▶		WILLIAMS, SHAWNNTA Q	G	05261800	6/1/2009	Y	CLEVELAND HI...	3.01	

**Figure 18 - Current GPA record shown after retrieve**

Enter the new the GPA (make sure you use the decimal) and click on **Submit** button. At this point the GPA record is sent to CSAC, and the screen will display how the record was processed. The following two figures show a successful and a failure screen in processing the GPA record.

# Web Service Demo Application User Manual

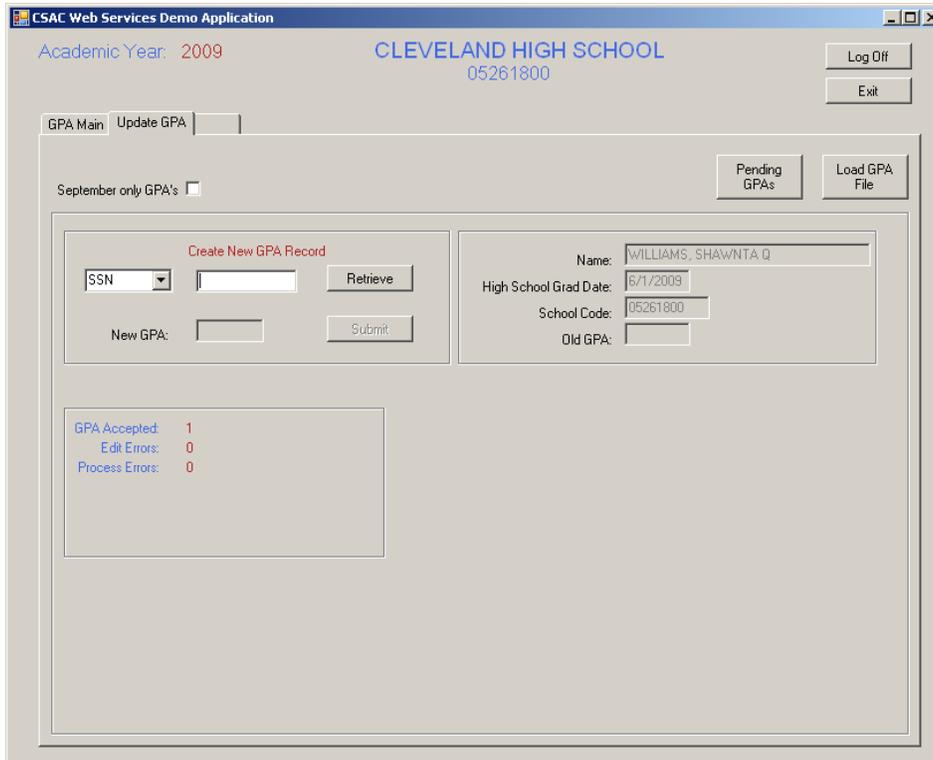


Figure 19 - Screen after a GPA record submitted (Successful)

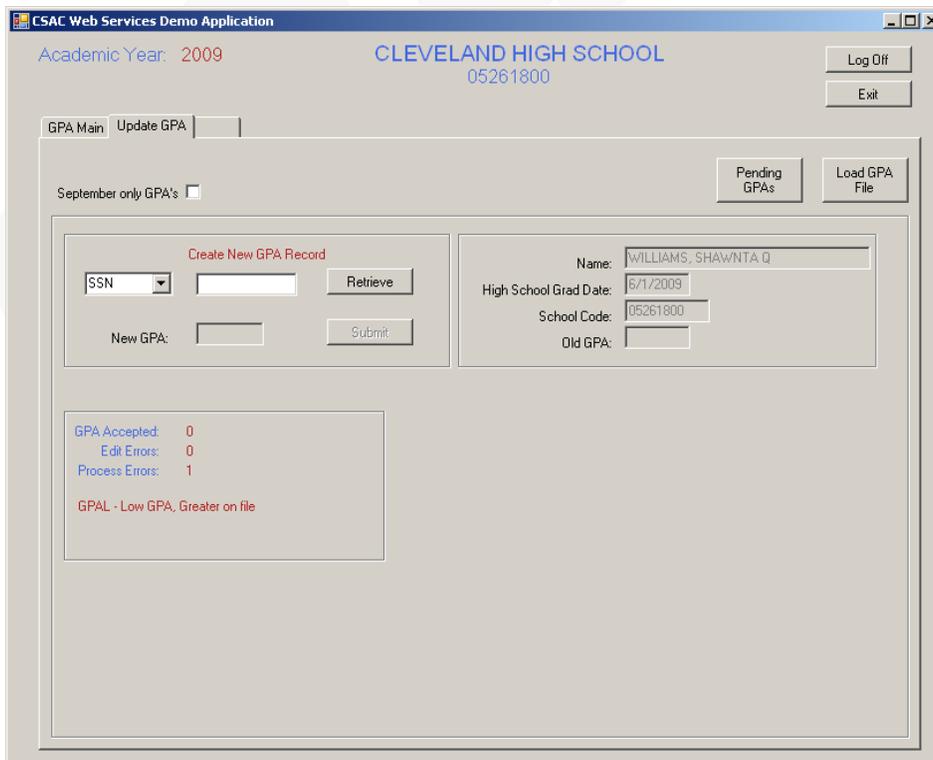
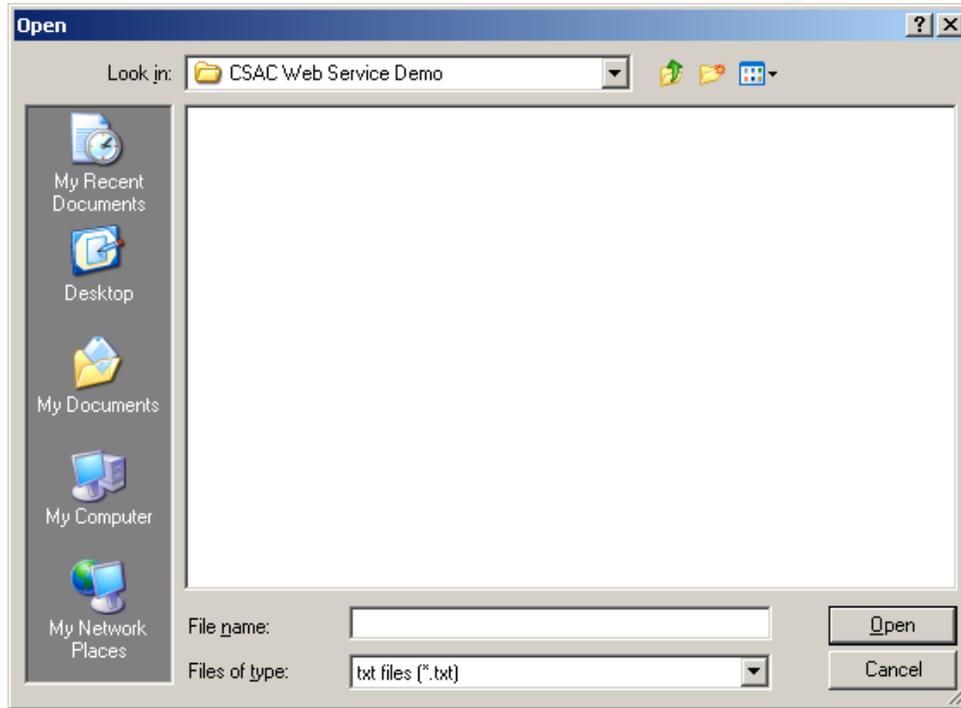


Figure 20 - Screen after a GPA record submitted (Error)

To Upload a GPA file, select the **Load GPA File** button. From the Windows Open File dialog box select the file to be uploaded.



**Figure 21 - File Open Dialog Box**

Browse your network to find your GPA File to upload. Click **Open** to open the file.

# Web Service Demo Application User Manual

CSAC Web Services Demo Application

Academic Year: 2009 CLEVELAND HIGH SCHOOL 05261800

Log Off  
Exit

GPA Main Update GPA

September only GPA's  Pending GPAs Load GPA File

Edit GPA File Records

SSN [ ] Retrieve

New GPA: [ ] Save

Records Processed 4

Name: WILLIAMS, SHAWNTA Q  
High School Grad Date: 6/1/2009  
School Code: 05261800  
Old GPA: [ ]

	SSN	AcademicYear	GPA	SchoolCode	HSGradDate	HSFlag	SpringSchoolCode	CCFlag	RFile
▶		2009	2.4	021207	6/1/1998				
		2009	3.43	001261	6/1/1998				
		2009	3.48	007548	6/1/1998				
		2009	3.5	007548	6/1/1998				

Submit Clear

Figure 22 - Display of records in the upload file

All the records in the file will display. At this point if a **GPA** value is incorrect, it can be corrected by entering the **SSN** of the record that is incorrect and clicking on the **Retrieve** button. Enter the correct **GPA** value and click on the **Save** button. **Note:** This does **NOT** change the value in the original file that was loaded. It only saves it in the Application.

# Web Service Demo Application User Manual

CSAC Web Services Demo Application

Academic Year: 2009 CLEVELAND HIGH SCHOOL 05261800

Log Off  
Exit

GPA Main Update GPA

September only GPA's  Pending GPAs Load GPA File

Edit GPA File Records

SSN  Retrieve

New GPA:  Save

Name:   
High School Grad Date:   
School Code:   
Old GPA:

	SSN	AcademicYear	GPA	SchoolCode	HSGradDate	HSFlag	SpringSchoolCode	CCFlag	F
▶		2009	2.4	021207	6/1/1998				
		2009	3.43	001261	6/1/1998				
		2009	3.48	007548	6/1/1998				
		2009	3.5	007548	6/1/1998				

Submit Clear

Figure 23 - Screen before save change

Click **Save** to save the change.

# Web Service Demo Application User Manual

CSAC Web Services Demo Application

Academic Year: 2009 CLEVELAND HIGH SCHOOL 05261800

Log Off  
Exit

GPA Main Update GPA

September only GPA's  Pending GPAs Load GPA File

Edit GPA File Records

SSN  Retrieve

New GPA:  Save

Name:   
High School Grad Date: 6/1/1998  
School Code: 021207  
Old GPA: 2.4

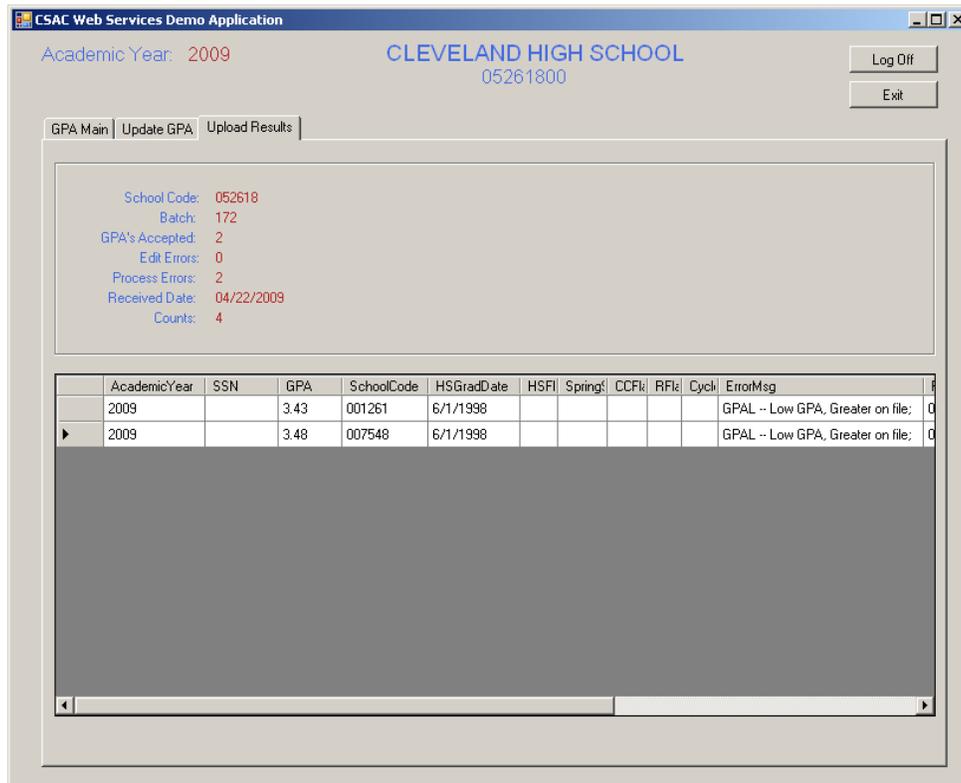
SSN	AcademicYear	GPA	SchoolCode	HSGradDate	HSFlag	SpringSchoolCode	CCFlag	F
	2009	2.5	021207	6/1/1998				
	2009	3.43	001261	6/1/1998				
	2009	3.48	007548	6/1/1998				
	2009	3.5	007548	6/1/1998				

Submit Clear

Figure 24 - Screen after corrected GPA saved

Once all changes have been made, click on **Submit** to submit all records as a batch to CSAC.

# Web Service Demo Application User Manual



**Figure 25 - Error Tab Screen**

The **Error Tab Screen** shows the status of the upload and displays any records that had errors in them. These error records will be stored in the local **Application Access Database**. Any upload that contains more than 1 record will generate a batch number.

# Web Service Demo Application User Manual

The screenshot shows the 'Upload GPA' tab in the CSAC Web Services Demo Application. The interface includes a header with 'Academic Year: 2009' and 'CLEVELAND HIGH SCHOOL 05261800'. Navigation tabs include 'GPA Main', 'Update GPA', and 'Upload Results'. A 'September only GPA's' checkbox is present. On the right, there are buttons for 'Pending GPA's' and 'Load GPA File'. The main area is divided into two sections: 'Edit Pending GPA Records' and a form for student information. The 'Edit Pending GPA Records' section has an 'SSN' dropdown, a 'Retrieve' button, and a 'New GPA' input field with a 'Save' button. The student information form includes fields for 'Name', 'High School Grad Date' (6/1/1998), 'School Code' (021207), and 'Old GPA' (2.4). Below these is a table with columns: SSN, AcademicYear, GPA, SchoolCode, HSGradDate, HSFlag, SpringSchoolCode, and CCFIag. The table contains two rows of data. At the bottom, there are 'Submit' and 'Clear' buttons.

SSN	AcademicYear	GPA	SchoolCode	HSGradDate	HSFlag	SpringSchoolCode	CCFIag
	2009	3.43	001261	6/1/1998			
	2009	3.48	007548	6/1/1998			

**Figure 26 - Upload GPA Tab with pending GPA records**

At this point, the error/pending GPA records can be edited and resubmitted.

## Web Services Description Language (WSDL)

---

```

<wsdl:definitions targetNamespace="http://www.csac.ca.gov/WebService">
  <wsdl:types>
    <s:schema elementFormDefault="qualified"
      targetNamespace="http://www.csac.ca.gov/WebService">
      <s:element name="AuthenticateUser">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="UserID"
              type="s:string"/>
            <s:element minOccurs="0" maxOccurs="1" name="Password"
              type="s:string"/>
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="AuthenticateUserResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1"
              name="AuthenticateUserResult" type="s:string"/>
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="DownloadGPA">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1"
              name="downloadRequestXml" type="s:string"/>
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="DownloadGPAResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1"
              name="DownloadGPAResult" type="s:string"/>
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="UploadGPA">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1" name="uploadGPAXml"
              type="s:string"/>
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:element name="UploadGPAResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1"
              name="UploadGPAResult" type="s:string"/>
          </s:sequence>
        </s:complexType>
      </s:element>
    </s:schema>
  </wsdl:types>
</wsdl:definitions>

```

## Web Service Demo Application User Manual

```
        </s:complexType>
    </s:element>
</s:schema>
</wsdl:types>
<wsdl:message name="AuthenticateUserSoapIn">
    <wsdl:part name="parameters" element="tns:AuthenticateUser"/>
</wsdl:message>
<wsdl:message name="AuthenticateUserSoapOut">
    <wsdl:part name="parameters"
        element="tns:AuthenticateUserResponse"/>
</wsdl:message>
<wsdl:message name="DownloadGPASoapIn">
    <wsdl:part name="parameters" element="tns:DownloadGPA"/>
</wsdl:message>
<wsdl:message name="DownloadGPASoapOut">
    <wsdl:part name="parameters" element="tns:DownloadGPAResponse"/>
</wsdl:message>
<wsdl:message name="UploadGPASoapIn">
    <wsdl:part name="parameters" element="tns:UploadGPA"/>
</wsdl:message>
<wsdl:message name="UploadGPASoapOut">
    <wsdl:part name="parameters" element="tns:UploadGPAResponse"/>
</wsdl:message>
<wsdl:portType name="CSACWebServiceSoap">
    <wsdl:operation name="AuthenticateUser">
        <wsdl:documentation>
            This function is used for validating user's login credentials
            and authenticate user
        </wsdl:documentation>
        <wsdl:input message="tns:AuthenticateUserSoapIn"/>
        <wsdl:output message="tns:AuthenticateUserSoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="DownloadGPA">
        <wsdl:documentation>
            This function is used for downloading GPA scores from CSAC
        </wsdl:documentation>
        <wsdl:input message="tns:DownloadGPASoapIn"/>
        <wsdl:output message="tns:DownloadGPASoapOut"/>
    </wsdl:operation>
    <wsdl:operation name="UploadGPA">
        <wsdl:documentation>
            This function is used for uploading GPA scores to CSAC
        </wsdl:documentation>
        <wsdl:input message="tns:UploadGPASoapIn"/>
        <wsdl:output message="tns:UploadGPASoapOut"/>
    </wsdl:operation>
</wsdl:portType>
<wsdl:binding name="CSACWebServiceSoap"
    type="tns:CSACWebServiceSoap">
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http"/>
    <wsdl:operation name="AuthenticateUser">
        <soap:operation soapAction =
            "http://www.csac.ca.gov/WebService/AuthenticateUser"
            style="document"/>
    <wsdl:input>
        <soap:body use="literal"/>
    </wsdl:input>
    </wsdl:operation>
</wsdl:binding>
</wsdl:service>
</wsdl:definitions>
```

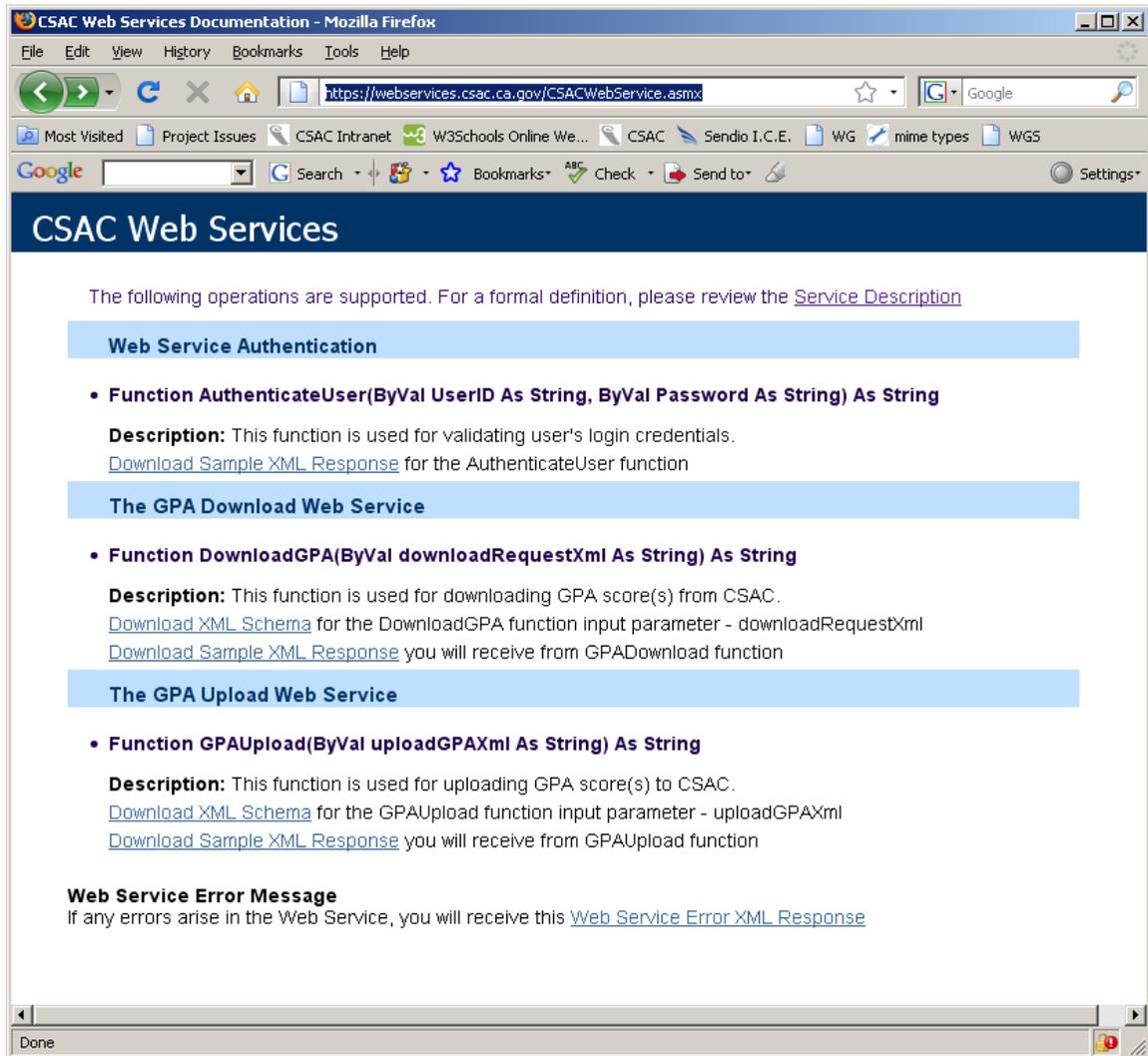
## Web Service Demo Application User Manual

```
</wsdl:input>
<wsdl:output>
  <soap:body use="literal"/>
</wsdl:output>
</wsdl:operation>
<wsdl:operation name="DownloadGPA">
  <soap:operation soapAction =
    "http://www.csac.ca.gov/WebService/DownloadGPA"
    style="document"/>
  <wsdl:input>
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
<wsdl:operation name="UploadGPA">
  <soap:operation soapAction =
    "http://www.csac.ca.gov/WebService/UploadGPA"
    style="document"/>
  <wsdl:input>
    <soap:body use="literal"/>
  </wsdl:input>
  <wsdl:output>
    <soap:body use="literal"/>
  </wsdl:output>
</wsdl:operation>
</wsdl:binding>
<wsdl:binding name="CSACWebServiceSoap12"
  type="tns:CSACWebServiceSoap">
  <soap12:binding transport =
    "http://schemas.xmlsoap.org/soap/http"/>
  <wsdl:operation name="AuthenticateUser">
    <soap12:operation soapAction =
      "http://www.csac.ca.gov/WebService/Authentica
      teUser" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="DownloadGPA">
    <soap12:operation soapAction =
      "http://www.csac.ca.gov/WebService/DownloadGP
      A" style="document"/>
    <wsdl:input>
      <soap12:body use="literal"/>
    </wsdl:input>
    <wsdl:output>
      <soap12:body use="literal"/>
    </wsdl:output>
  </wsdl:operation>
  <wsdl:operation name="UploadGPA">
```

## Web Service Demo Application User Manual

```
<soap12:operation soapAction =
    "http://www.csac.ca.gov/WebService/UploadGP
    A" style="document"/>
<wsdl:input>
    <soap12:body use="literal"/>
</wsdl:input>
<wsdl:output>
    <soap12:body use="literal"/>
</wsdl:output>
</wsdl:operation>
</wsdl:binding>
<wsdl:service name="CSACWebService">
    <wsdl:port name="CSACWebServiceSoap"
        binding="tns:CSACWebServiceSoap">
        <soap:address location =
            "https://webservices.csac.ca.gov/CSACWebService.
            asmx"/>
    </wsdl:port>
    <wsdl:port name="CSACWebServiceSoap12"
        binding = "tns:CSACWebServiceSoap12">
        <soap12:address location =
            "https://webservices.csac.ca.gov/CSACWebService
            .asmx"/>
    </wsdl:port>
</wsdl:service>
</wsdl:definitions>
```

The above and other information can be located at  
<https://webservices.csac.ca.gov/CSACWebService.asmx>



## Contacts

If you incur any problems during the installation of the sample client or have any questions, please feel free to contact us at:

### CSAC Information Technology Section

Debi Jackson, Manager – (916)464-8180

Tim Lord, Programmer – (916)464-8944

### CSAC Grant Operations

Tae Kang, Acting Manager – (916) 464-2954