

# ***Ten Candidate Web Services***

CS690 – Week 8 Slides

Jordan Osecki

# Web Service 1: Sun/Moon Information

- Description: This web service will return sunrise or sunset or moonrise or moonset information for a given longitude and latitude. You can also have a range of values returned in XML format.
- Source: <http://www.armyaviator.com/wsSunMoon.aspx>
- WSDL: <http://www.armyaviator.com/webSunMoon.asmx?WSDL>
- Method(s): GetMoonriseInfo, GetMoonsetInfo, GetSrSsMrMsInfo, GetSunriseInfo, GetSunsetInfo

# Web Service 2: Airport Information

- Description: This web service will return various data (lat / long, city, state, county) based on a given identifier.
- Source: <http://www.armyaviator.com/wsAirports.aspx>
- WSDL: <http://www.armyaviator.com/webAirports.asmx?WSDL>
- Method(s): GetAirportInfoArray, GetAirportInfoString, GetAirportInfoXMLString

# Web Service 3: Famous Birthday List

- Description: This web service will return a list of notable birthday's for the current day.
- Source: <http://www.armyaviator.com/wsBirthdays.aspx>
- WSDL: <http://www.armyaviator.com/webBirthdays.asmx?WSDL>
- Method(s): GetBirthdayInfoArray, GetBirthdayInfoString, GetBirthdayInfoXMLString

# Web Service 4: Famous Quotation

- Description: This web service will return a random quote.
- Source: <http://www.armyaviator.com/wsQuotes.aspx>
- WSDL: <http://www.armyaviator.com/webQuotes.asmx?WSDL>
- Method(s): GetQuoteString,  
GetQuoteXMLString

# Web Service 5: Zip Code Information

- Description:  
This web service will return various data (area code, lat / long, city, state, county) based on a given zip code.
- Source: <http://www.armyaviator.com/wsZipcodes.aspx>
- WSDL: <http://www.armyaviator.com/webZipCodes.asmx?WSDL>
- Method(s): GetZipcodeInfoArray, GetZipcodeInfoString, GetZipcodeInfoXMLString

# Web Service 6: Stock Quote Information

- Description: Get Stock quote for a company symbol by using this web service
- Source: <http://www.websvcex.net/WCF/ServiceDetails.aspx?SID=19>
- WSDL: <http://www.websvcex.net/stockquote.asmx?wsdl>
- Method(s): GetQuote

# Web Service 7: Currency Converter

- Description: Get conversion rate from one currency to another currency
- Source: <http://www.websvcex.net/WCF/ServiceDetails.aspx?SID=18>
- WSDL: <http://www.websvcex.net/CurrencyConvertor.asmx?wsdl>
- Method(s): ConversionRate



# Web Service 8: Global Weather

- Description: Current weather and weather conditions for major cities around the world
- Source: <http://www.webs servicex.net/WCF/ServiceDetails.aspx?SID=48>
- WSDL: <http://www.webs servicex.net/globalweather.asmx?wsdl>
- Method(s): GetCitiesByCountry, GetWeather

# Web Service 9: Translation Engine

- Description: Convert text from one language to another language. Supported languages are English to Chinese, English to French, English to German, English to Italian, English to Japanese, English to Korean, English to Portuguese, English to Spanish, Chinese to English, French to English, French to German, German to English, German to French, Italian to English, Japanese to English, Korean to English, Portuguese to English, Russian to English, Spanish to English.
- Source: <http://www.webs servicex.net/WCF/ServiceDetails.aspx?SID=47>
- WSDL: <http://www.webs servicex.net/TranslateService.asmx?wsdl>
- Method(s): Translate

# Web Service 10: ISBN Information

- Description: Book Information web services by ISBN or EAN bar code
- Source: <http://www.websvcex.net/WCF/ServiceDetails.aspx?SID=26>
- WSDL: <http://www.websvcex.net/isbn.asmx?WSDL>
- Method(s): GetISBNInformation

# ***Two Web Services with OWL-S Descriptions***

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# Quotation Generators

- Files Created:
  - QuotationService.owl
  - QuotationProfile.owl
  - QuotationProcess.owl
  - QuotationGrounding.owl

# Stock Quote Look-up

- Files Created:
  - StockService.owl
  - StockProfile.owl
  - StockProcess.owl
  - StockGrounding.owl
- Web Service Demo:  
<http://www.webservicex.net/WCF/ServiceDetails.aspx?SID=19>