COIN-078B
Internet Programming with XML

Exploring Web Services

Module Objectives

- Explore Web Services in the cloud
- Look at sample Web Services - SOAP & WSDL

Reading Assignments:

- **Online:** Web Service APIs in the cloud

Where to Find Web Services

Directories

A good start is to visit online directories and repositories. Here are 2 popular ones:

- xmethods.net lists mainly SOAP-based web services with publised WSDLs.

- ProgrammableWeb is more developed and contains directories of web services, APIs and mashups that implement a wide mix of protocols - SOAP, REST, XML-RPC and JavaScript. It also provides useful catergorization and ranking by popularity.

Major Service Providers

- Amazon Web Services (SOAP, REST)
  - AWS Technical Documentation

- eBay Web Services (SOAP, REST)

- Facebook (XML, REST, JavaScript)
  - Facebook Reference

- Google AJAX APIs (REST, JavaScript)

- Microsoft Azure Services (SOAP, JavaScript)
  - MS Live Services

- Yahoo! APIs & Web Services (SOAP, REST, JavaScript)

Web Service Directories:

- XMethods (SOAP only)
- ProgrammableWeb (REST, SOAP, XML-RPC and JavaScript)

Hands-on Assignment:

- **Final Project** due **Week 12**

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