

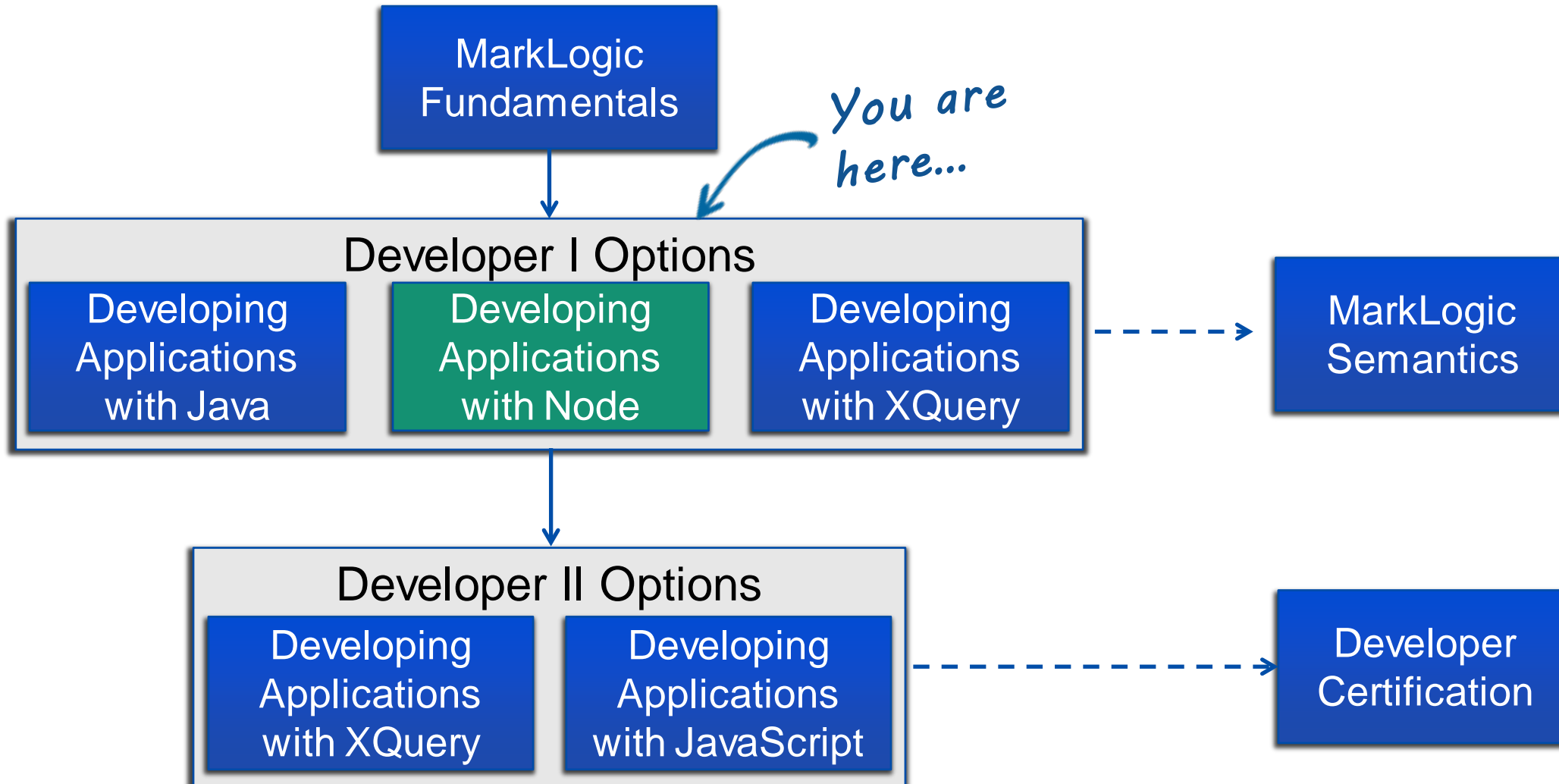


Developing MarkLogic Applications I: Node.js

MarkLogic University

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Developer Learning Path



Course Logistics

- Schedule
- Facilities
- Breaks
- Introductions

Course Design & Flow



Discuss



Demo



Do



Review

Course Roadmap

Day 1

- MarkLogic in a Three Tiered Architecture
- MarkLogic Server Architecture
- Using the REST API
- Security
- Using the Node.js API

Day 2

- Loading and Managing Data
- Search
- Indexes
- Faceted Search
- Sorts, Snippets, Highlights, and Pagination

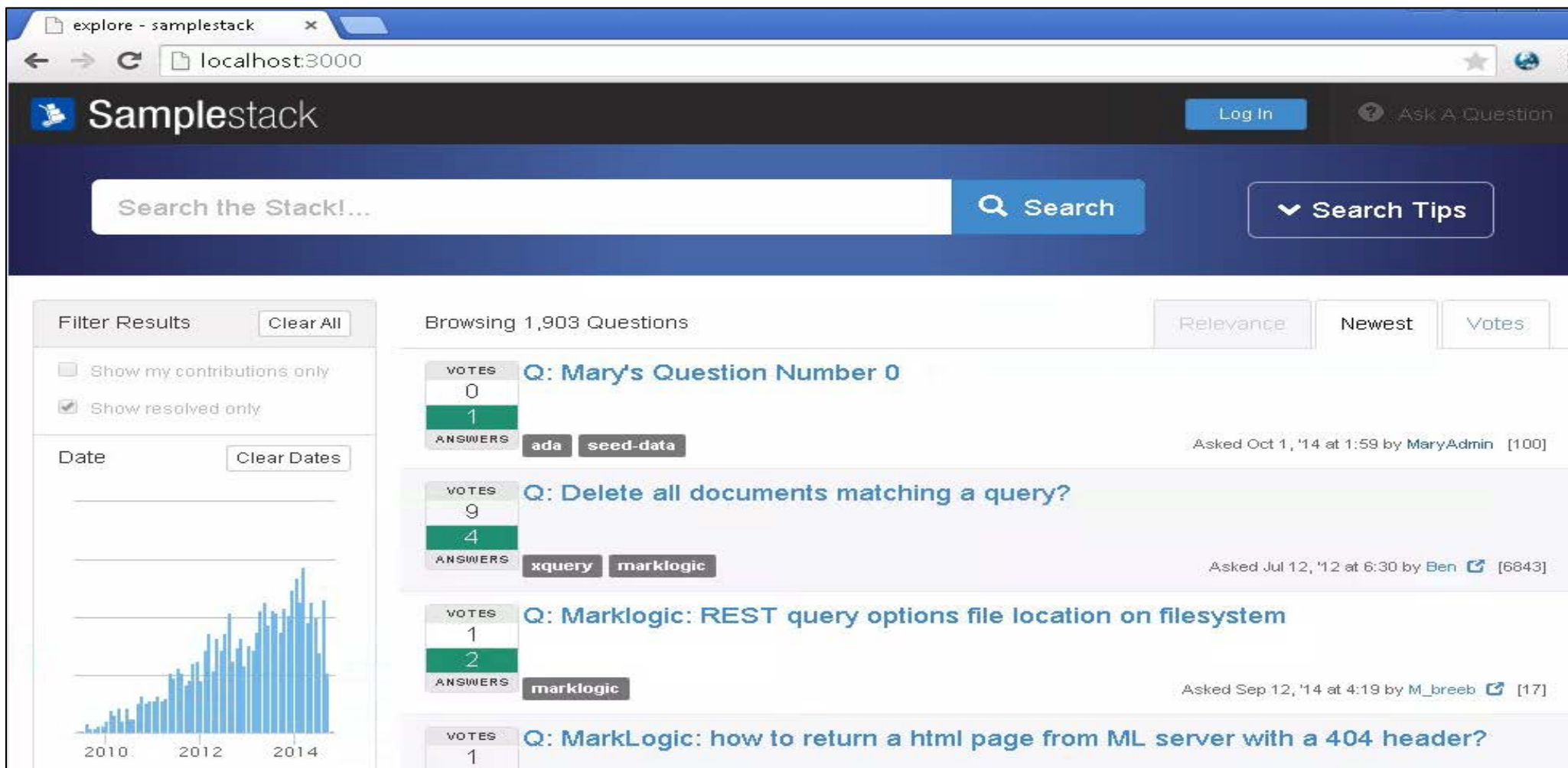
Day 3

- Database Transactions
- Introduction to Server Side JavaScript
- Geospatial Search
- Introduction to Semantics
- HA / DR

The Lab Projects

- Samplestack
 - Reference application, already built, Enterprise scale.
- Top Songs
 - Learn to use the MarkLogic Node.js client API by writing code against this data.
- Star Wars
 - A fun search app that you setup according to defined requirements.
 - Apply what you learn from Top Songs examples.
- Geophoto
 - Work with JSON, binary, geospatial and semantic data.

Samplestack



Top Songs

```
{
  "top-song": {
    "album": "Wilson Phillips",
    "genres": {
      "genre": "Pop"
    },
    "descr": {
      "p": [
        "\"Hold On\" is the debut single by Wilson Phillips, released in 1990.",
        "The song won the Billboard Music Award for Hot 100 Single of the Year for 1990.",
        "At the Grammy Awards of 1991, the song received a nomination for Song of the Year, losing to \"From a Distance\" by Julie Gold and performed by Bette Midler.",
        "\"Hold On\" became Wilson Phillips' first number one single, reaching the top spot of the Billboard Hot 100 on June 9, 1990. The song also spent a week atop the adult contemporary chart that same year. In addition, \"Hold On\" peaked at number 6 on the UK Singles Chart."
      ]
    },
    "artist": "Wilson Phillips",
    "lengths": {
      "length": [
        "4:27 (Album Version)",

```



Star Wars

Star Wars
Home
Characters
Search

Debug on


Star Wars Characters

There are 14 characters in the database. Currently viewing: 14




C-3PO

Role: Protocol Droid




Darth Sidious

Role: Sith Lord




Darth Vader

Role: Sith Lord




Han Solo

Role: Scoundrel



Jar Jar Binks

Role: Outcast

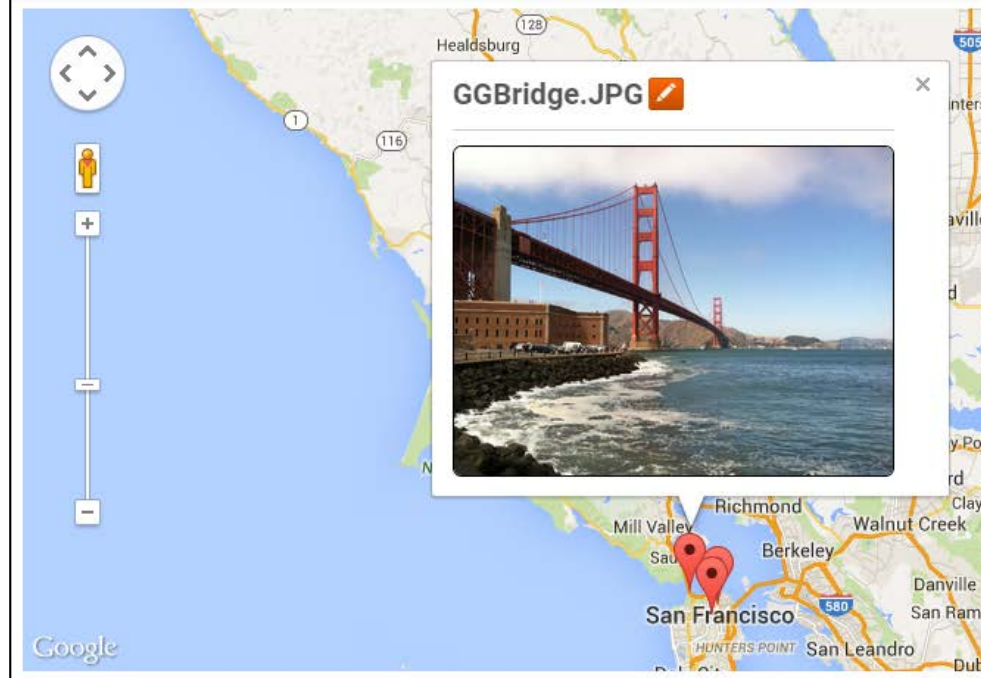


Lando Calrissian

Role: Scoundrel

Geophoto

Geophoto Home Map Search ▾




GGBridge.JPG

San Francisco

Title ▾	Filename ▾	Make ▾
IMG_0132.JPG	IMG_0132.JPG	Apple iPhone 4

Geophoto Home Map Search ▾



GGBridge.JPG

The official color of the GG Bridge is International Orange



Make and model: Apple iPhone 4
Created on: 5th September 2011 @ 14:16:31
Latitude: 37.809333 | **Longitude:** -122.475833

Location [?]: San Francisco, United States

Original filename: 05.JPG

Semantic Info

Washington, D.C., United States

Anthem: The Star-Spangled Banner
Currency: USD
Area: 9826675 km2

The United States of America (USA), commonly referred to as the United States (US), America or simply the States, is a federal republic consisting of 50 states and a federal district. The 48 contiguous states and the federal district of Washington, D.C., are in central North America between Canada and Mexico. The state of Alaska is the northwestern part of North America and the state of Hawaii is an archipelago in the mid-Pacific. The country also has five unincorporated and five unpopulated territories in the