Final Project, Assignment 12

This is an AUCTION. Please email your selection to the member of the teaching stuff in charge of the topic you would like to work on. **The approval of your selection will be given on the first come first served basis.**
All projects are individual. You do your project by yourself. Up to 5 students can select one project topic. PLEASE DO NOT MAIL YOUR SELECTION to all members of the teaching stuff or to the class email cscie63@fas.harvard.edu. Please email your selection to the email address of the member of the teaching stuff next to the topic name in the attached Excel spreadsheet. Once 5 students register for a topic, the topic becomes closed.

The main purpose of this exercise is sharing of knowledge. You will help your colleagues learn the topic you will write about.

- **You can propose your own topic**. Please do not just submit a project you did at work. Topics may include Big Data issues related to your domain of interest (Life Sciences, Medical, Financial, Aerospace, etc.). Please do not include sensitive or proprietary material (IP, SW code /NDA). All project materials, including all code will be made available to all members of the class. We cannot protect your trade secrets.

- Due to the large number of students we cannot organize public presentation of all student projects. We will select some 40 projects and present those projects to the whole class. Your presentation will consist of a 2 minute YouTube video and you answering questions in person over the Blackboard Collaborate. If you are invited to present and refuse, we will chop of 20% of the grade on your final project. **The presentations will take place on May 16th, 2014, between 5:30 PM and 8:00 PM. Please notice extended hours.** Every presentation is expected to last not more than 2+ 1 minutes.

Final Project Requirements:

1. Select a Topic from list and send an email to the stuff member whose email is listed next to the topic. If you are proposing your own topic please send an email to cscie63@fas.harvard.edu.
2. Do not send an email announcing selection of one of regular topics to that email, please.
3. **You project submission will include the following:**

   a) **Project Description, 1 page Word Doc in a separate file. Name of the file should contain topic name followed by your name.** Use this document to tell the class what problem you are trying to solve, what this particular technology, API or feature is about, its uses, benefits, drawbacks, challenges. Describe briefly the working example your project demonstrates. This first page is very important. Based on that page, your colleagues will judge whether to download your project and spend time reading your documentation and code.

b) **Demo and working code:** Produce a single simple working demo. Use your best judgment to select an example that illustrates key features of the technology, i.e. service, API or framework you are working on. **Provide neatly organized and complete working code**. Please note, that a project will not be given any points if a working demo and the code are missing. **Some projects might involve installation of a set of software packages. Detailed prescription describing all installations is considered a part of the working code. You colleagues must be able to reproduce your work based only on the information you provide them**

c) **Slides:** A set of Power Point slides (10-15) with a few snapshots of your demo and captures the take home key points, such as what the technology does and pros/cons. The first page of your Power Point slide deck must have a standard format. A sample is attached. Please use white background for your Power Points. That makes them readable, printable and presentable on YouTube.

d) **Report: name your file like you named 1 page summary appended with _report.** Produce a detailed document with a relatively complete description of analyzed technology and a list of what worked, what did not, and why not. Report should have a description of your proposed solution on how to reproduce any examples that you will demonstrate. This report will appear similar to your usual homework solutions.

e) **15 minute YouTube presentation.** Please provide us with the URL of your YouTube presentation. If you insist, you can record two 15 minute presentations. Please do not record three.

f) **2 minute YouTube presentation.** Please provide us with the URL of your YouTube presentation. This video will contain a summary of the technology or the task you analyzed. This video might get presented to the entire class.

Submission Instructions:

Submit final assignment on the course iSite assignments page in the **HW12_FinalProject dropbox.** Upload a ZIP file with all elements of your final project to the class site. Name your file: **YourLastNameYourFirstName_Final.zip**