"Big Data" Course Project Proposal

Fill out the table in the next page. Follow the instructions below:

1) **Title**
2) **Group members**: 1-2 students. Project word load should be appropriately determined.
3) **Short Description**: Briefly explain the problem you want to solve. Two possible tracks: (1) an application of mapreduce on a large data set to provide a scalable solution for a real-world problem and possibly developing a nice mapreduce pattern, (2) developing and/or improving a distributed data storage and processing framework for a better scalable solution, e.g. a fast linked data storage system for fast access, query, update, delete operations for the Web of Data (linked data such DBpedia).
4) **Big Data source(s)**: List the data sources you will use in the project. Real-world data is preferred. List data sources by name, brief description, source, size, Web link. Two possible venues: (1) **IoT data** (sensor data, mobile data, etc.), (2) **Social Media data** (twitter data, etc.).
5) **Related work**: Find related papers and list their shortcomings. Explain what is done, what is missing. At least 5 recent (2012-) papers should be listed. List the papers in the following format (google scholar citation, APA format, cited numbers, and link to the source):

   - Hogan, A., Zimmermann, A., Umbrich, J., Polleres, A., & Decker, S. (2012). Scalable and distributed methods for entity matching, consolidation and disambiguation over linked data corpora. *Web Semantics: Science, Services and Agents on the World Wide Web*, *10*, 76-110. **Cited**: 40

6) **Methods**: Briefly explain the method(s) you want to try/develop to solve the problem, such as data processing methods, machine learning, data mining methods, or statistical approaches.
7) **Target conferences and journals**:
   a. Conference: name, organization, location, deadline, web site
   b. Journal: name, publisher, index, impact, issue/year, web site

Project Proposal – Big Data Course			
Project title			
Group members			
Data sources	Name		
	Description		
	Size		
	Web link		
Description of the project			
Related work			
Methods			
Target conferences and journals with links			