A web interface for open big data visualisation

Tom Davenport
1811930
–
Department
of Computing Science and Mathematics

introduction

- Motivation
- Design
- Progress

- Sample Images

motivation

- Prudential
- Open data – free

- How to capture and merge this data
- How to store the data

- Make useful representation of the data over a web interface

design

- Reviewed traditional DB systems- relational model

- Decided on a No-SQL approach: MongoDB with mongoLab
- Provides a good adaptable structure with fast ways of accessing data

- Built web application that interacts with database using Python, HTML5 and JavaScript

progress

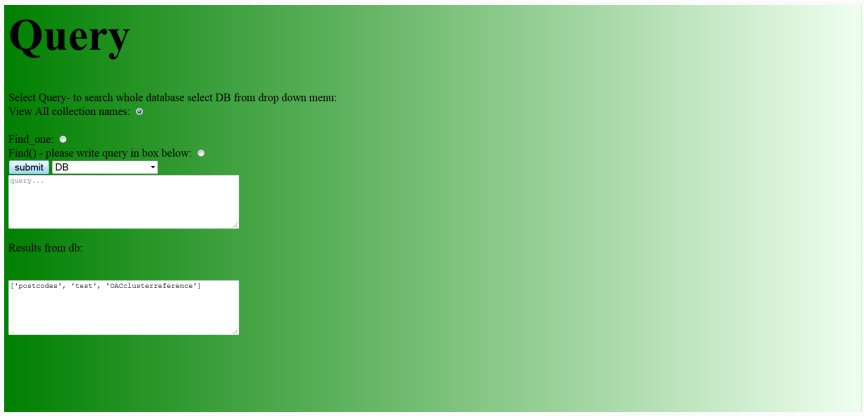
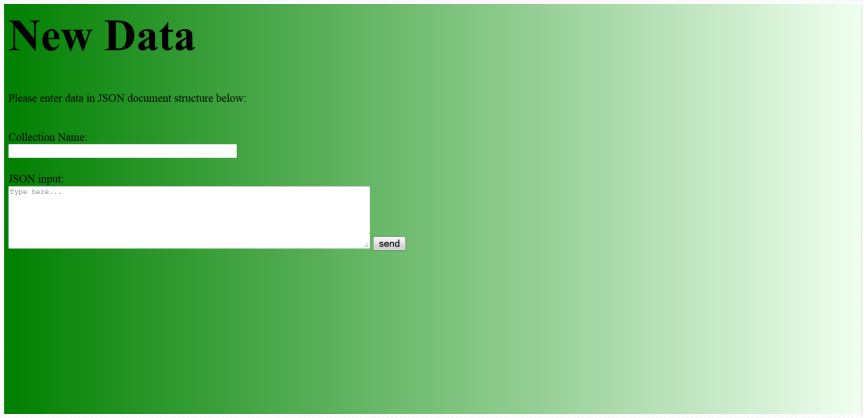
- Upload and add data
- View data and query the database
- Some Google Maps functionality

- Further work:

- Further representation of the data
- Adding more data

Map View

Query



New Data