

## Summary of individual tasks for group project

### Introduction:

The project of our group is visualizing Colorado school grades. After milestone2, we basically figured out how to use the dataset and the layout of our project. Milestone3 is basically the implementation of milestone2. For the start of milestone3, I was assigned 3 tasks.

### Task1: Filter the data

Based on milestone2 our group planed to implement ten ideas for visualizing the Colorado grades. For visualizing some of the ideas I began to filter the data and find useful data. I mainly looked at these three files: final\_grade.csv, enr\_l\_working.csv and remediations.csv. Anther group member is also working on filtering the data and we plan to integrate our findings later this week.

### Task2: Integrate open-source library to project

There are plenty of tools for visualization. Personally I choose jqPlot library for visualization because I was assigned to visualize a histogram of grades distribution and jqPlot is an excellent tool to do this. I cleaned up the library and some of the files and integrated it to our project on svn.

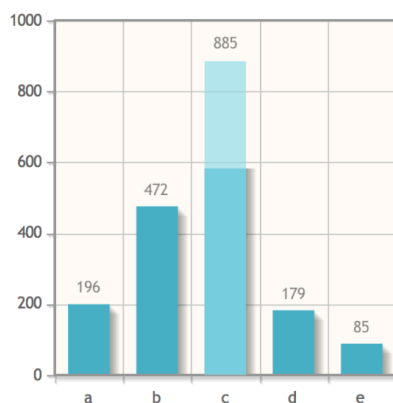
### Task3: Visualize grade distribution and make it interact with map

As discussed I was assigned to visualize a histogram of grade distribution. Firstly I created a drag down menu so that I can choose the year of the grades (2010 to 2012). After clicking the year the webpage will show the grades distribution of the year. As the graph showed below, the x-axis is the letter grade and the y-axis is the number of people of relative letter grade. I used a feature of jqPlot so that the column can grow from zero with animation. Also, when I move the mouse on the column the color will fade a little. For the plan there is functionality that if I click a column the map will show the schools. But I have not implement this yet because another group member is still working on the visualization of schools on the map. So I just leave the function there and show which column I have clicked on the web page.

Data Visualization Project

Grade Distribute Histogram Demo

You Clicked: Nothing yet



Data Visualization Project

Grade Distribute Histogram Demo

You Clicked: point: 3, data: 4,179

