Final Task Report of Information Visualization

Hezhenying （176X225X）

June 16, 2017

1. The Result of the task

   https://hezhenying.github.io/hzy/Final%20Task/final_task.html

2. Volume rendering application

   - Dividing the window into the rendering screen region and the user interface region.

   - Providing interface that can be used to modify variables by using dat.gui.js.

   - Providing a simple info box (FPS, MS, MB, CUSTOM) that will be helpful to monitor code performance by using stats.js.

   - Rendering volume data by ray-casting.

   - Applying to the Loabster data.

   - Enabling shading effects.