

# Web Dev. + Libs CA2

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Due Date April 25<sup>th</sup> 1:30 - 3:30

For this CA you are asked to recreate the data visualisations shown in the diagrams below representing the world's tallest buildings. Two types of data visualisation are presented, the first uses circles to show the tallest buildings based on height(feet). The second data visualisation presents the world's tallest buildings based on the number of floors in the building. The data for the building can be downloaded from blackboard (building.csv). Selection of the visualisation shown is dependent on choice made from the radio buttons at the top of the page.

Moving the cursor/mouse over the relevant buildings represented by circles causes the opacity of the circle to go to 50% and displaying a tooltip highlighting additional information on the selected building. When viewing building heights, the tooltip shows the name of the building, the year of completion and its height in feet (see fig 3). When viewing buildings by the number of floors, the tooltip shows the name of the building, the year of completion the height of the building (meters) and the number of floors see (fig 4)

The size of the circles used to represent building height/floors is left to the student's discretion. However, the sizes should be proportional to the actual metric used for measuring that building.

## Marking scheme

Building Height chart	15%
Building floors chart	15%
Axis / scales	30%
Tooltips	20%
Radio selection + text	10%
Code design/layout	10%

**Plagiarism** – Any material copied either between students or taken verbatim from the internet will be marked zero.

Late hand ups - You will be penalised for late submission as detailed in the quality manual.

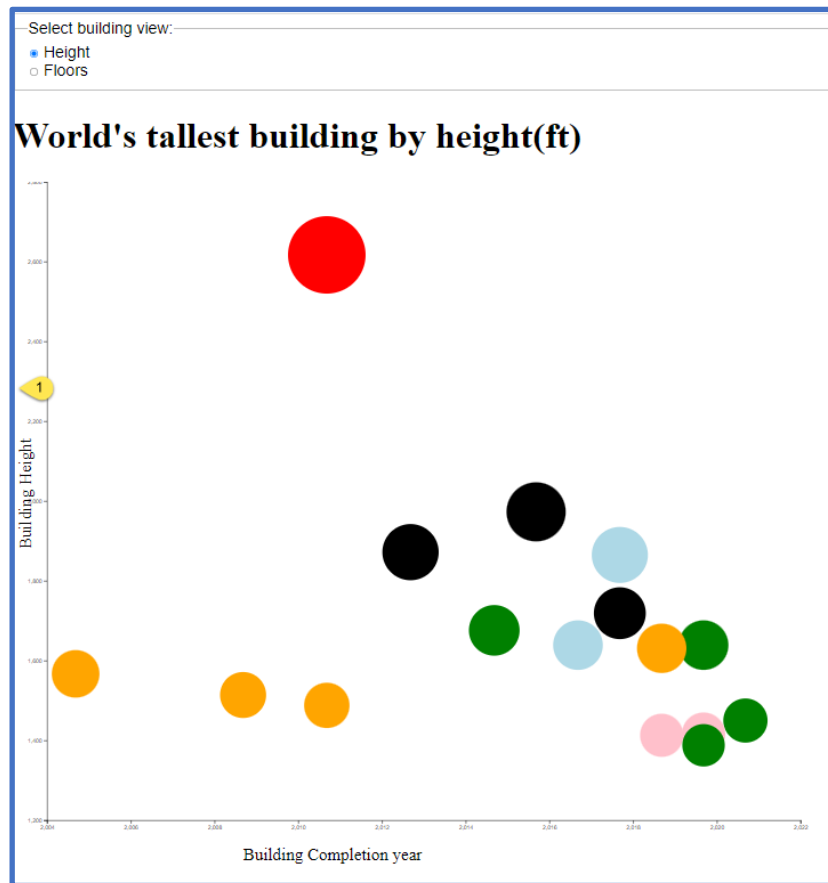
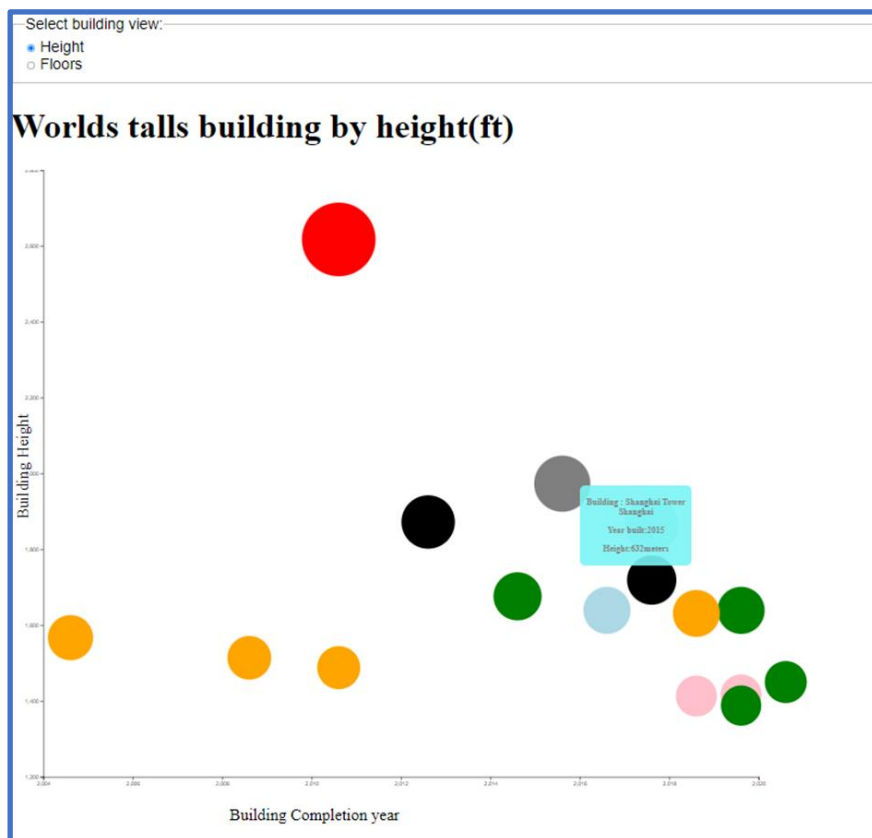


Fig.1



Fig,2

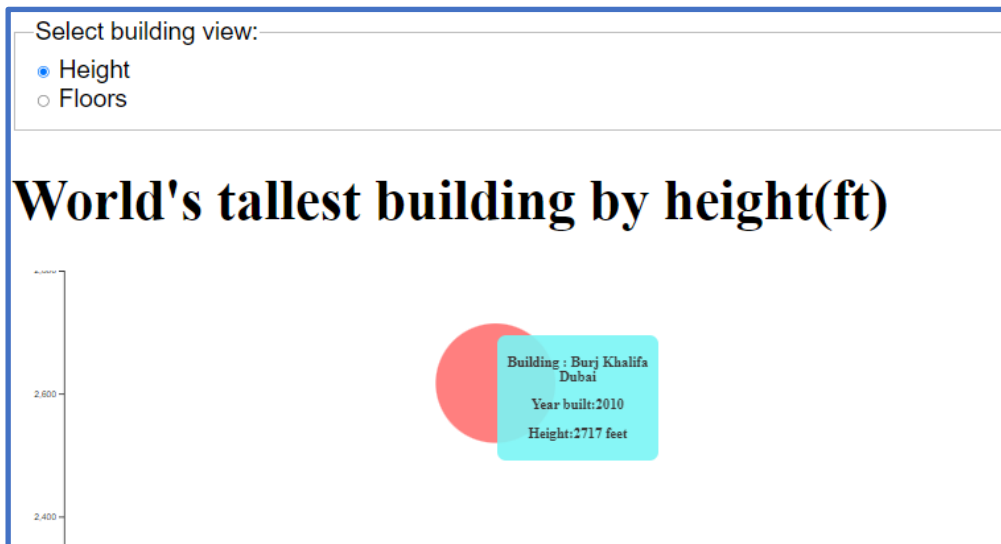


Fig.3

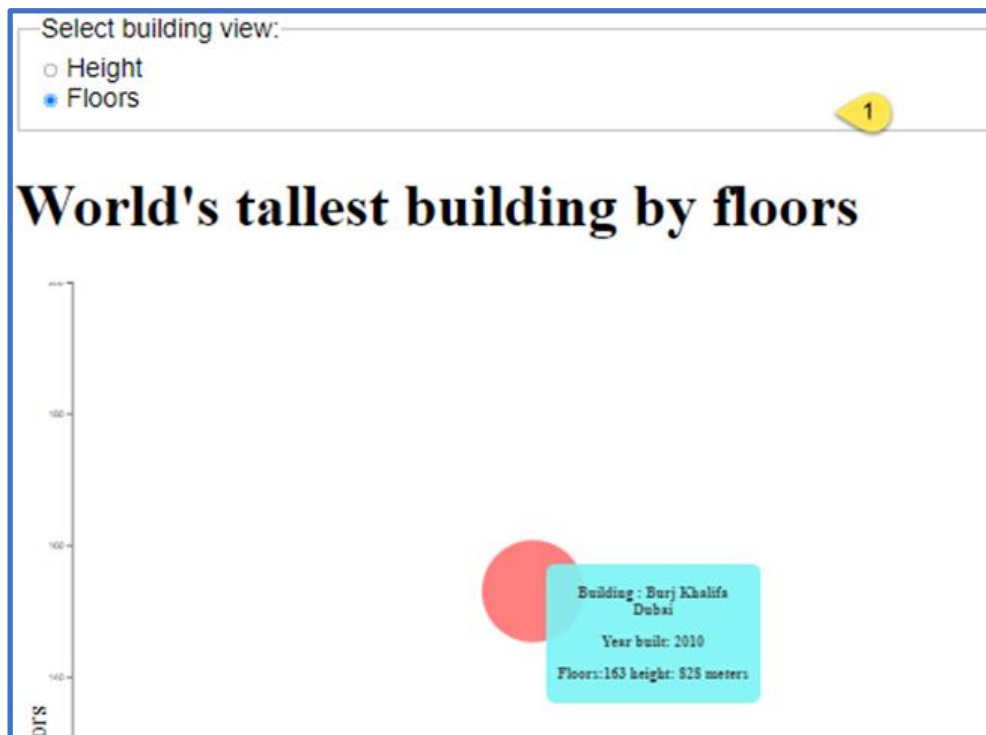


Fig .4