

PROJECT CORRESPONDING TO PROPOSAL

The completed project corresponds to the proposal through the use of two visualizations developed with a few enhancements incorporated for better design.

The proposal spoke of "the virtual launch of a satellite from its respective launch site moving towards its relative position in space will be animated" which was completed as seen through our first visualization. The use of filters '*Class of Orbit*', '*Users*' and '*Country of Operator/Owner*' was incorporated into the design as well filtering the data as per user selection in both the visualizations. The attributed '*apogee*' and '*perigee*' were made use of to determine the mean distance of the satellites above the earth's surface where they come to rest in orbit as shown in the visualization.

The second portion of the visualization successfully depicts the relationship between Country of Operator/Owner, Country of Contractor and Launch Site with the help of a Line String virtually animated to link one country to another. The design was in keeping with the idea mentioned in the proposal.

In both visualizations developed, the project made use of 'flyouts' or tooltip as mentioned in the proposal in order to provide descriptive information related to a satellite or information relating to the link represented using line strings.

Overall, the goal of this project was an exploratory analysis of the data without overwhelming the user in terms of information overload. The design principles and information aesthetics followed in both visualizations are geared towards trying to achieve this goal.