Final Project Progress List

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Part 1 – Based on the requirement document

1. Representation

1> [Completed] Basemap: We selected and imported an Stadia basemap in the project.

2> [Completed] Events: We implemented the symbolization and visualization of the COVID-19 events.

3> [Completed] Cases: We collected and processed all the COVID-19 case data (US and China).

4> [Completed] Timeline: We implemented the timeline and control the timeline by scrolling. Events with important location and date were used as key anchor points. The map will also be updated accordingly.

5> [Completed] Cases: We collected and processed all the COVID-19 case data (US and China).

6> [Completed] Chapter: We implemented the snowfall-style chapter menu as suggested.

7> [Completed] Legend: We made and visualized the legend based on the proportional symbol of case data.

8> [Completed] Overview: We made the proper title and brief introduction.

2. Interaction

1> [Completed] Timeline Scroll: We use scrolling operation to interact with the timeline (sequence) and change the date/events and push the story forward.

2> [Completed] Event Focus: We applied auto zoom/pan (flyTo) to change the viewport according to the story (time and location of the event).

3> [Completed] Case Check: Event point symbols and case proportional symbols are clickable. Users can click the events and cases on the map to retrieve the case information (confirmed cases, province name).

4> [Ready] Browser: We are currently implementing the Conclusion chapter, in this chapter, user will be able to pan and zoom the map with constriction. Currently we disabled these operations.

Part 2 – General introduction of the current version

In this 75% check-in version, we:

1. We collected a huge number of materials, including the case data from US CDC and China CDC, the Chunyun (spring festival travel season) data in China, multi-source news report and investigation results of the development of COVID-19 (from US media, Chinese media, WHO, European media, etc.). These materials include texts, images, videos, data files, etc.

2. We addressed these various materials and sorted out the China and US stories following clear timelines.

3. Finished the overall framework for the map storytelling based on leaflet/D3/C3, etc.

4. Finished integrating the map story of the early spread of COVID-19 in China into the framework, named "Wuhan 24 days." Note that US story has a longer timeline and thus we haven't integrated the US story into the framework yet. However, we already finished the story and sorted out the timeline (see material folder).

5. We symbolized and visualized the case data and events on the map, as well as implemented a legend, a data panel showing the daily confirmed cases.

6. We implemented the exponential plot showing how the cases in Wuhan/China increased.

7. We implemented lots of interactions such as scrolling the timeline, retrieving the case, interacting with the exponential plot, etc.

What we haven't done yet and will finish asap:

1. Integrating the US story into the storytelling map.

2. Finish the conclusion part (e.g., what could we learn from the COVID-19).