Train Composition Viewer

In the title bar, two input fields (from and to) is to search available trains. Clicking on the "Find Trains" button will initiate the search and display result.

Started typing the station names will trigger the autocomplete feature to suggest station names. Clicking on one will complete the rest of the name.
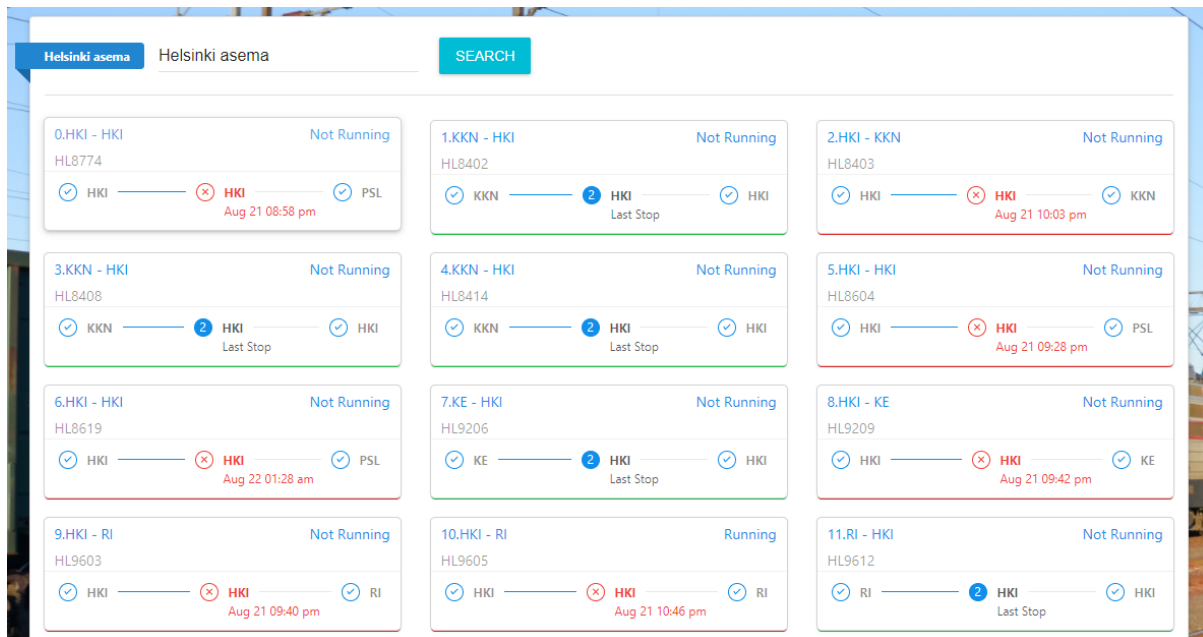

Results are displayed in an overlay box. Red color points that the train has already departed.

On a separate section, the train composition for a specific station is listed.
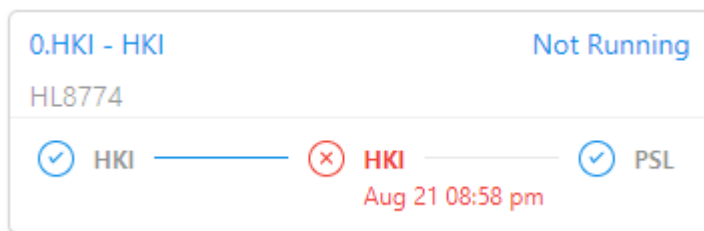
Top left corner, current station name is shown and followed by an input field and search button. This input field has autocomplete feature as well. Clicking on search will refresh and populate with the given stations train composition.

Each train information is shown separately.

The red color with cross indicates that the train has already departed. On top left corner, trains starting point and ending point is displayed. Both with same value means it's a round trip. Underneath that information, train number with type is shown. On upper right corner, the information if the train is currently running or not is displayed. In the bottom part of the block trains starting point and ending point (in case of round trip, the last stop before reaching back is shown) is shown along with the current station and the departure time. Checked icon points that the train has already departed from the starting point or reached the destination.

Clicking on a train information anywhere will show information regarding the train itself.

2.HKI - KKN   Not Running

HL8403

✓ HKI ——————— ✗ HKI ——————— ✓ KKN
                  Aug 21 10:03 pm

5.HKI - HKI   Locomotive:Sm5 Electric

HL8604

✓ HKI ——————— ✗   Wagons:Sm5

                                     Maximum Speed:120

8.HKI - KE   Total Length:75

HL9209

✓ HKI ——————— ✗
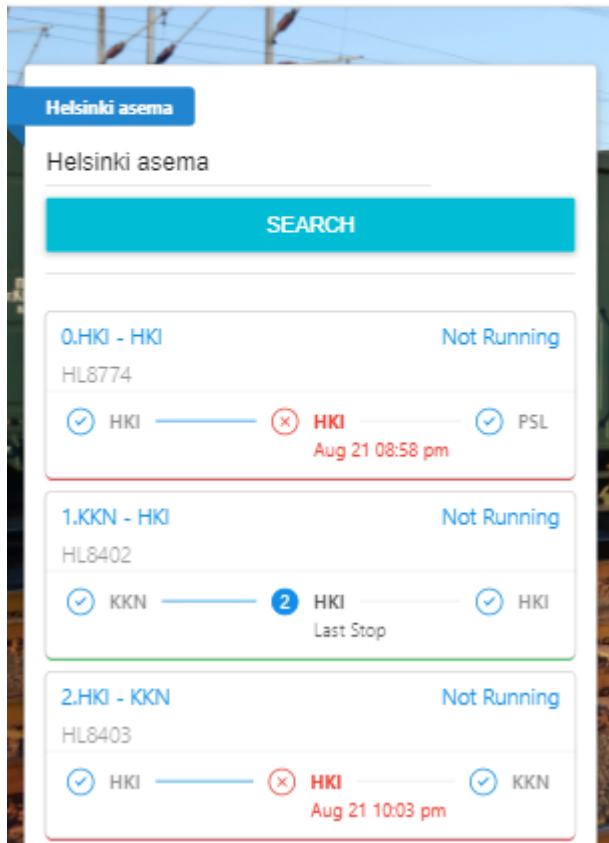   Aug 21 09:42 pm

The information contains Locomotive, Wagons, Maximum Speed and Total length of the train.

The overall display of the page is responsive and mobile screen friendly.

Technology and Resources used for development:

- ReactJS
- Webpack
- Material UI
- Semantic UI
- Ant Design
- Bootstrap
- Lodash
- Axios
- Moment
- Babel
- ESlint