

Station.ts, Train.ts

```
interface Station {  
  station_code: string; name: string; line_code_1: string;  
  line_code_2: string | null; line_code_3: string | null; }  
interface Train { minutes: string }
```

Provides Station &
Train models

ChooseStation.vue

```
stationList: ref<Station[]>([])  
trainList: ref<Train[]>([])
```

loadStationList():
- Gets list of all stations from WMATA
Controller by name, station code, and
line

selectStation():
- Called when user selects station; gets
ETA of next train(s) for the given station
from WMATA Controller

Request station
data; provide
line (optional)

Provides data
for stationList

StationController.php

getStationList():
\$stationList: array
- Called by frontend as
'getStationList'.
- Calls StationService requesting
list of all stations. Optionally
provides line code to filter.

getNextTrain():
\$nextTrain: array
- Called by frontend as
'getNextTrain/{stationCode}'
- Calls StationService requesting
ETA for next train for given
station.

Sends request for
station data;
optionally
provides line

Provides response
for stationList
array

Requests next train
info; provides
stationCode

Provides
response for
nextTrains array

StationService.php

__construct()

getFilteredStations():
- Gets station data and returns
filtered array

getStationList():
- Calls WMATA API to get station list

processStationData():
- Iterates through array of stations
to return only code, name, and
line(s).

Provides
specific
API code

Returns
list of
stations

TrainService.php

__construct()

getFilteredTrains():
- Gets station data and returns filtered array

getNextTrain():
- Calls WMATA API to get station list

processTrainData():
- Iterates through array of stations to return only code, name, and line(s).

Provides
specific
API code

Returns
list of
stations

APIClientService.php

```
apiKey: string  
baseUrl: string  
headers: array
```

__construct():
Defines values for apiKey, baseUrl, & headers.

getConfig():
- Provides config data members

executeCurl(\$apiString):
- Function that interfaces with WMATA API, taking
in specific apiString fragment, and calling API.
- Returns response to other Services

DSPolitical Code Project Service Overview

Note: this only includes Services currently being used for the application, not pseudocode/
unfinished components