DAT515 Peer review

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1 Core assignment

1.1 Q1:

Yes, application runs as expected.

1.2 Q2:

Yes, the map is displaying a complete map.

1.3 Q3:

Yes, it is possible to query the shortest path

2 Optional tasks

No optional tasks.

3 Code quality

Code from lab2 is reused properly, no uneccessary extra code. Dijkstras is implemented and imported. Cost functions are sent to Dijkstras as expected.

4 Screenshots

Home | Search

Chalmers-Brunnsparken

Quickest: Chalmers, Kapellplatsen, Vasaplatsen, Grönsakstorget, Domkyrkan, Brunnsparken, 7 minutes

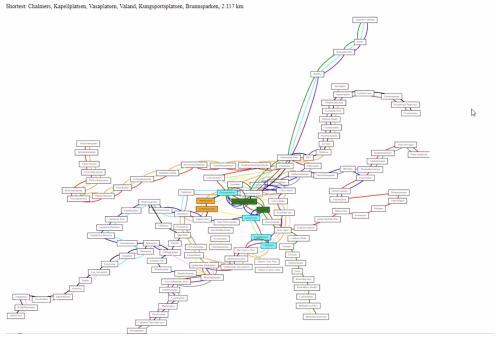


Figure 1: Screenshot of web application showing map, with a path between 'Chalmers' and 'Brunnsparken'.

```
phspy & tranwapy

from .trams import readTramNetwork
from .graphs import dijkstra
from .colon_tram_svg import colon_svg_network
import os

from django.conf import settings

def show_shortest(dep__dest):
    network = readTramNetwork()
    quickest = dijkstra(network_dep__cost_=lambda u_vv_network.transition_time(u_vv))[dest]
    shortest = dijkstra(network_dep__cost_=lambda u_vv_network.geo_distance(u_vv))[dest]

timepath = 'quickest: ' + ', '.join(quickest['path']) + ', '+str(round(quickest['dist']_3))+' minutes'
geopath = 'Shortest: ' + ', '.join(shortest['path']) + ', '+str(round(shortest['dist']_3))+' km'

def colors(v):
    if v in shortest['path'] and v in quickest['path']:
        return 'cyan'
    if v in shortest['path']:
        return 'green'
    if v in quickest['path']:
        return 'green'
    if v in quickest['path']:
        return 'mange'
    else:
        return 'white'

color_svg_network(colormap=colors)

Preturn timepath, geopath
```

Figure 2: Screenshot of the function show_shortest.