Design of

Passenger Information Display System

for Mumbai Local for a

Futuristic Scenario

Start

Prof. Mandar Rane

The Problem

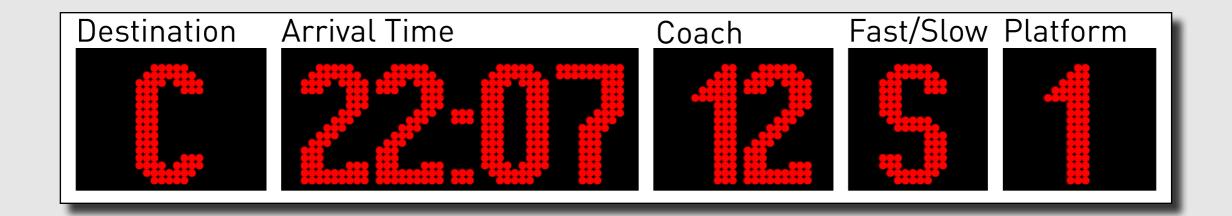
Lack of Information system between public transportation service and the passengers

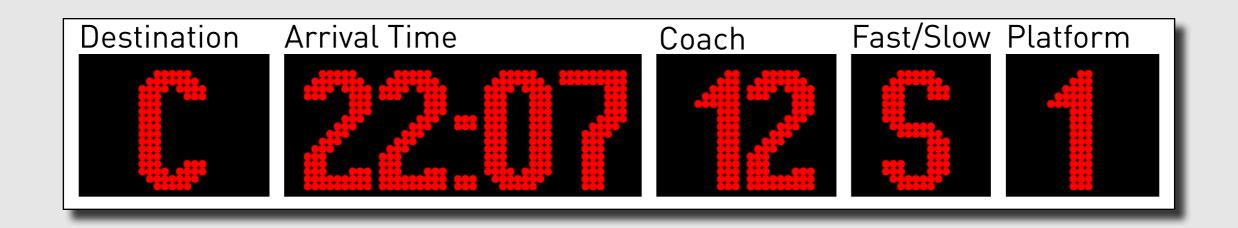
Dependent

Due to the lack of clarity of information, people might prefer to ask someone.

Right decisions are the results of clarity of information

What **C** stands for?







What **BS** stands for?











Passenger Information Display System (PIDS)

Passenger Information Display System (PIDS)

nature and state of public transport service



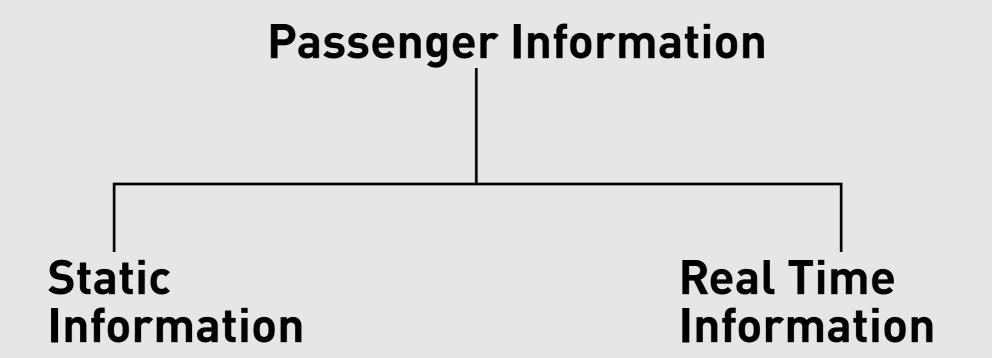




Passengers







Static Information

Real Time Information

Journey planning prior to departure

Stations, Stops, Routes, service nos., etc.

Route network maps, timtable, booklets, signages, etc.

Static Information

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Real Time Information

During the course of journey

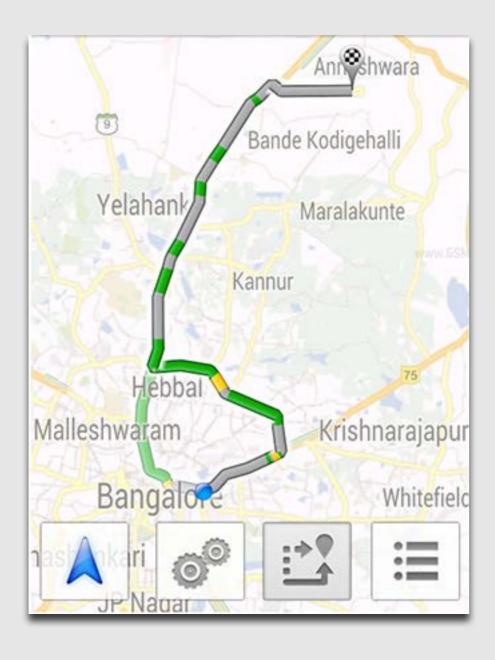
On time, delayed, expected arrival time, platform.

Passenger Information System

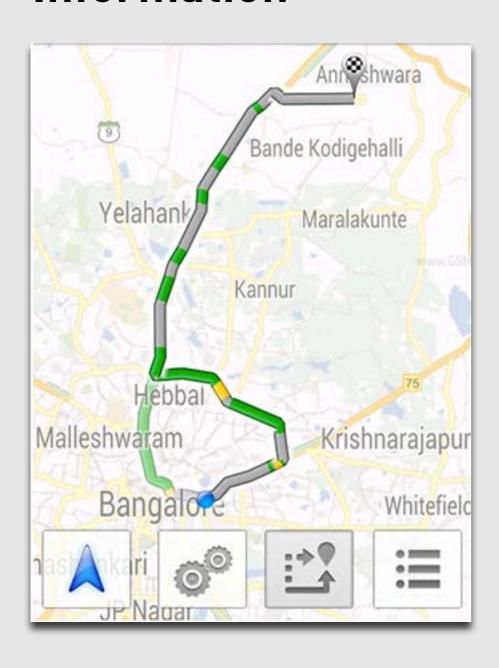
Example

Static Information

Static Information

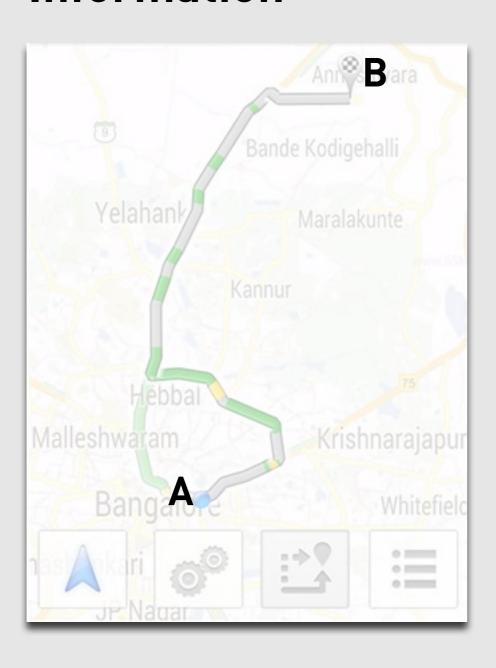


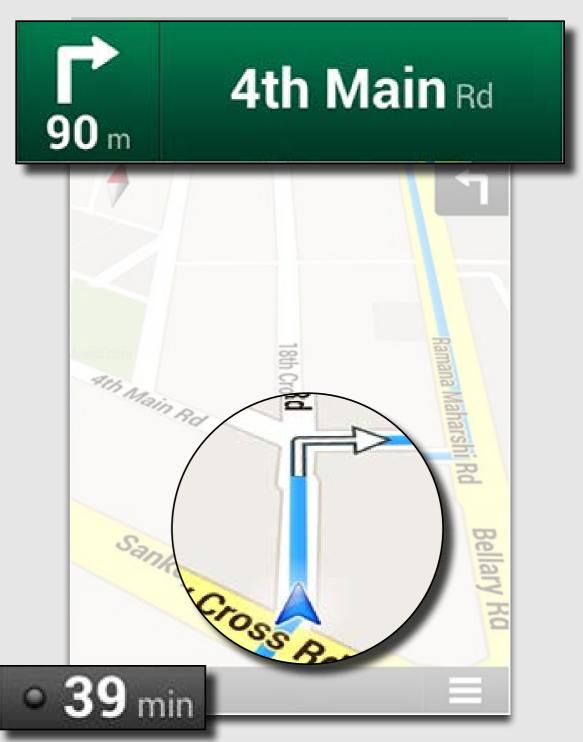
Static Information





Static Information





PIDS?

- + Electronic information system which provides real-time information
- + Nature or arrival of train
- + Changes if any

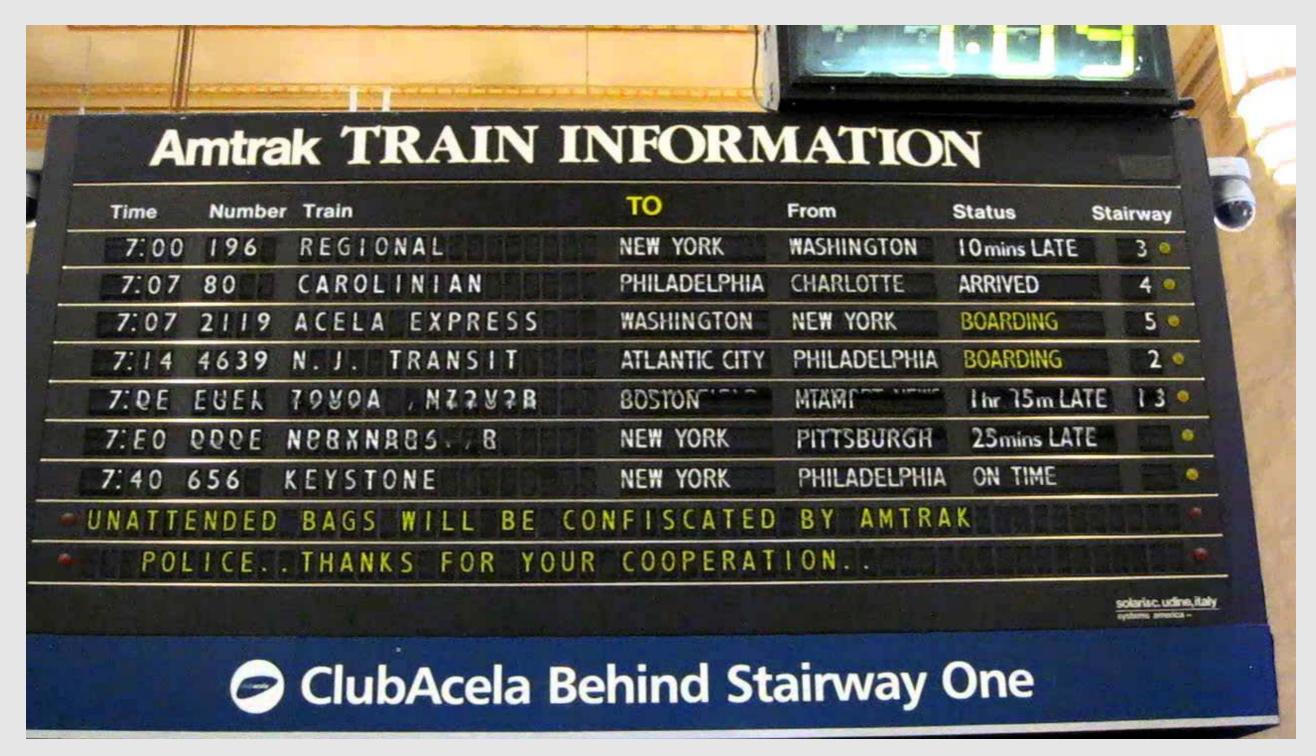
examples







Changes if any



Changes if any

Amtrak TRAIN INFORMAT

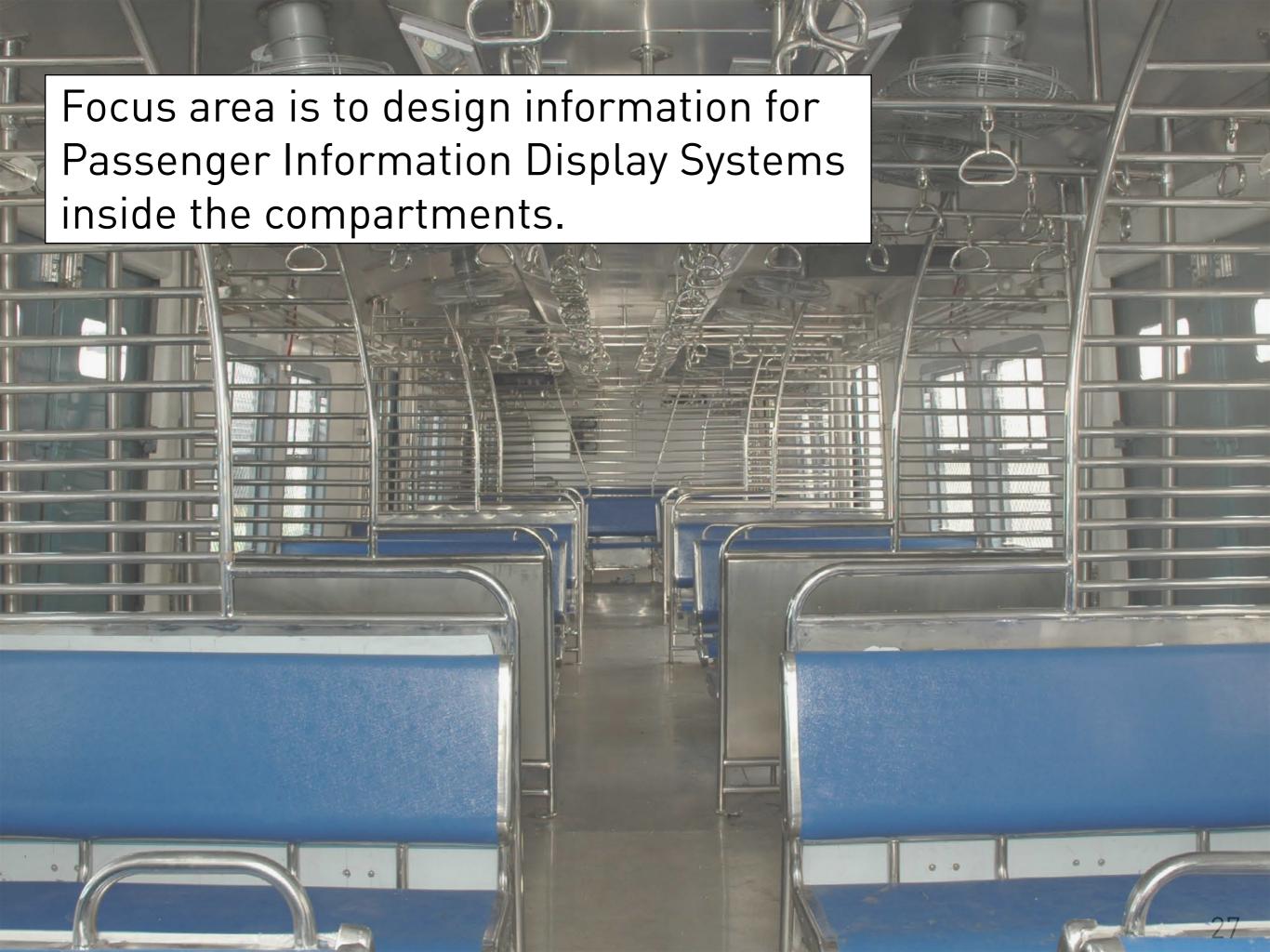
Time	Number	Train	ТО	From
7:00	196	REGIONAL	NEW YORK	WASHING
7:07	80	CAROLINIAN	PHILADELPHIA	CHARLO
7:07	2119	ACELA EXPRESS	WASHINGTON	NEW YO
7:14	4639	N. J. TRANSIT	ATLANTIC CITY	PHILADE
7: Q E	EUEL	TOYOA , NZZYZB	BOSTON	MTAMC
7: E 0	DDDE	NERXNRES. / R	NEW YORK	PITTSB
7:40	656	KEYSTONE	NEW YORK	PHILAD
		BAGS WILL BE CO	NFISCATED	BY A
		THANKS FOR YOUR	COOPERAT	10N



ClubAcela Behind Stairw AK



focus area of design











Lets look closer...









Hong Kong Metro







Château de Vincennes 10:45

Saint-Paul

Le Marais

Paris Metro







Washington D. C. Metro

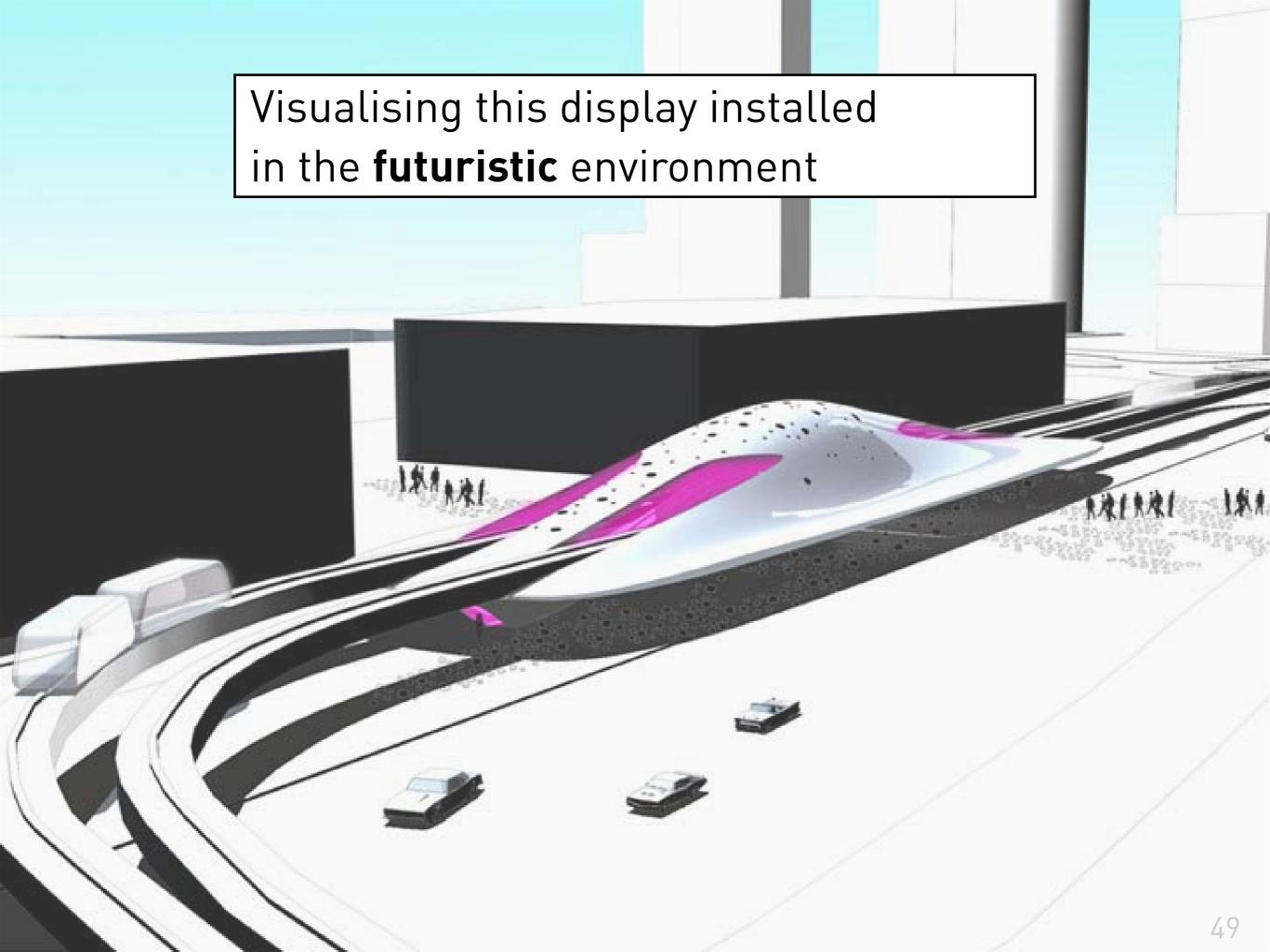




But...







Process

Process

- + what primary information to be delivered?
- + when & how the information to be delivered?

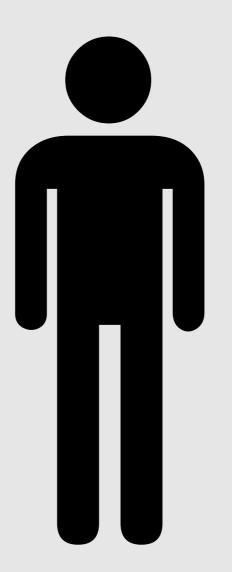
What are Primary Information?

What are Primary Information?

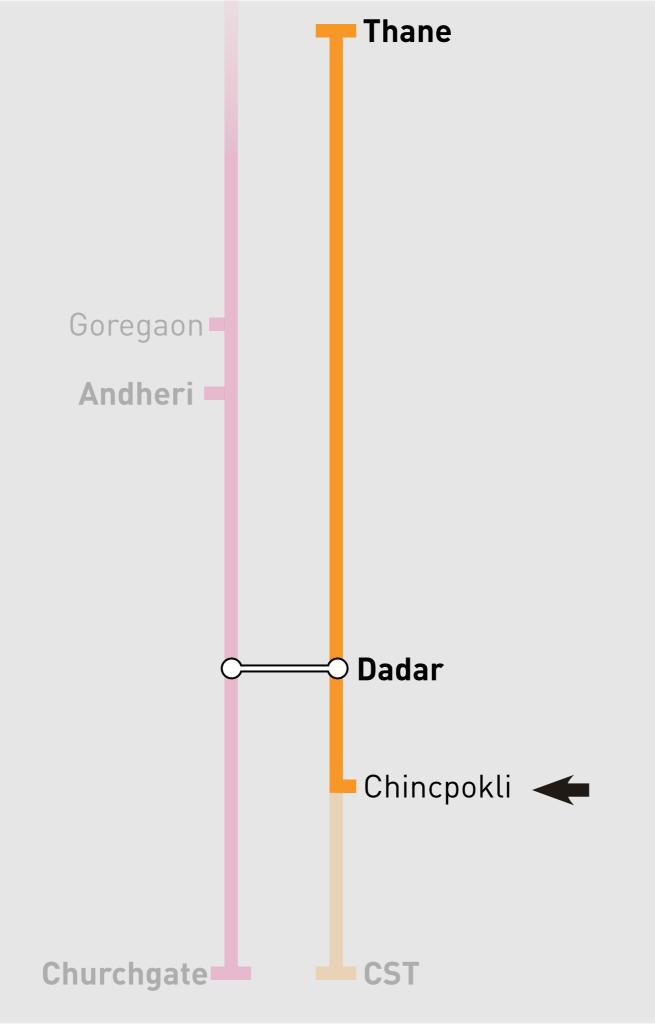
Information required by a passenger during travel.

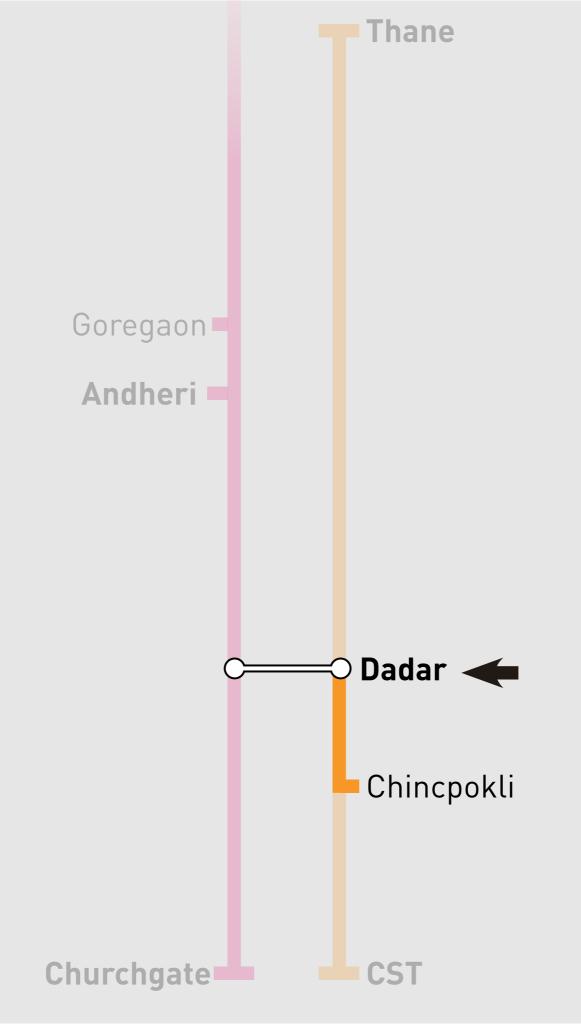
Lets collect this information with the help of a friend.

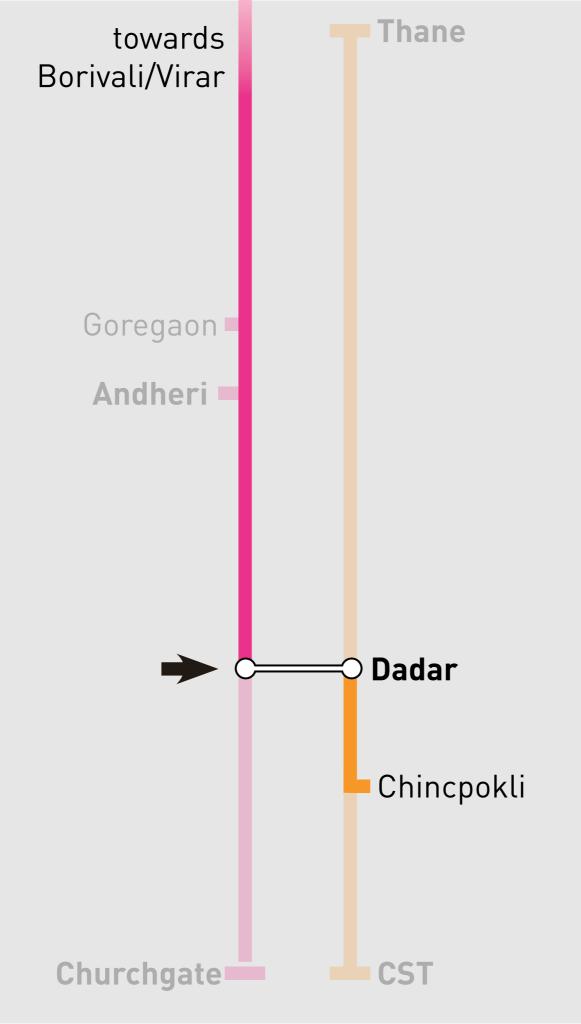
A novice passenger who is at **Chinchpokli** Station wants to meet his friend at **Goregaon**.

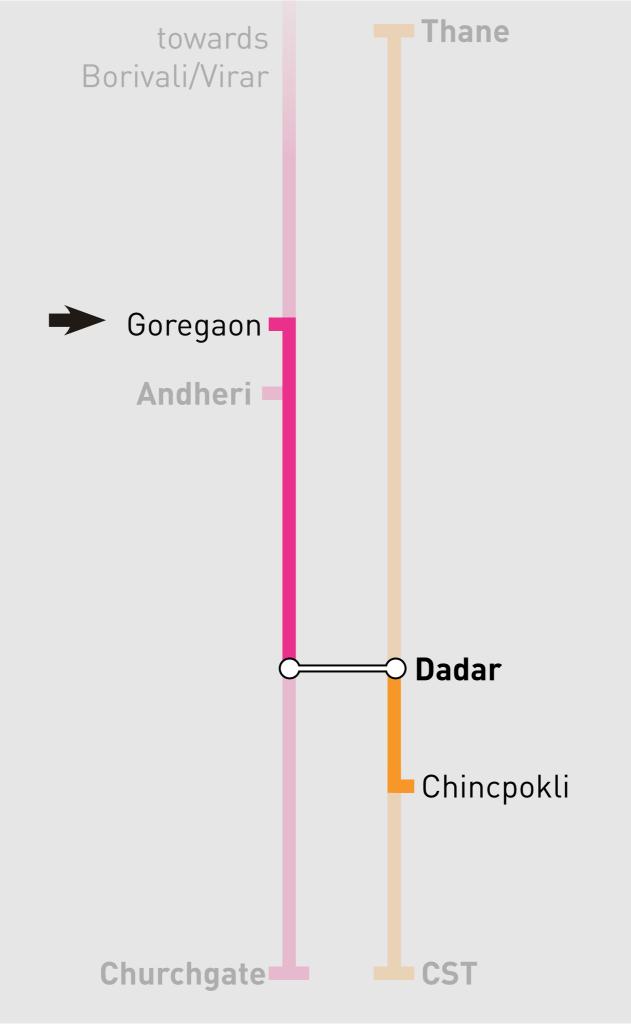


His friend who is resident of Mumbai guides him over phone to reach Goregaon by Mumbai Local

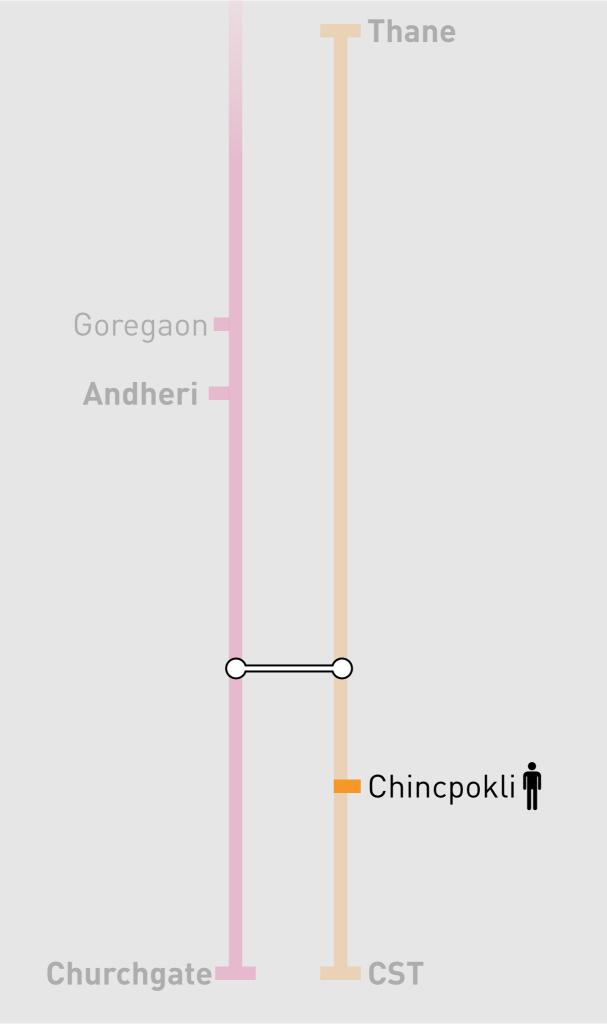


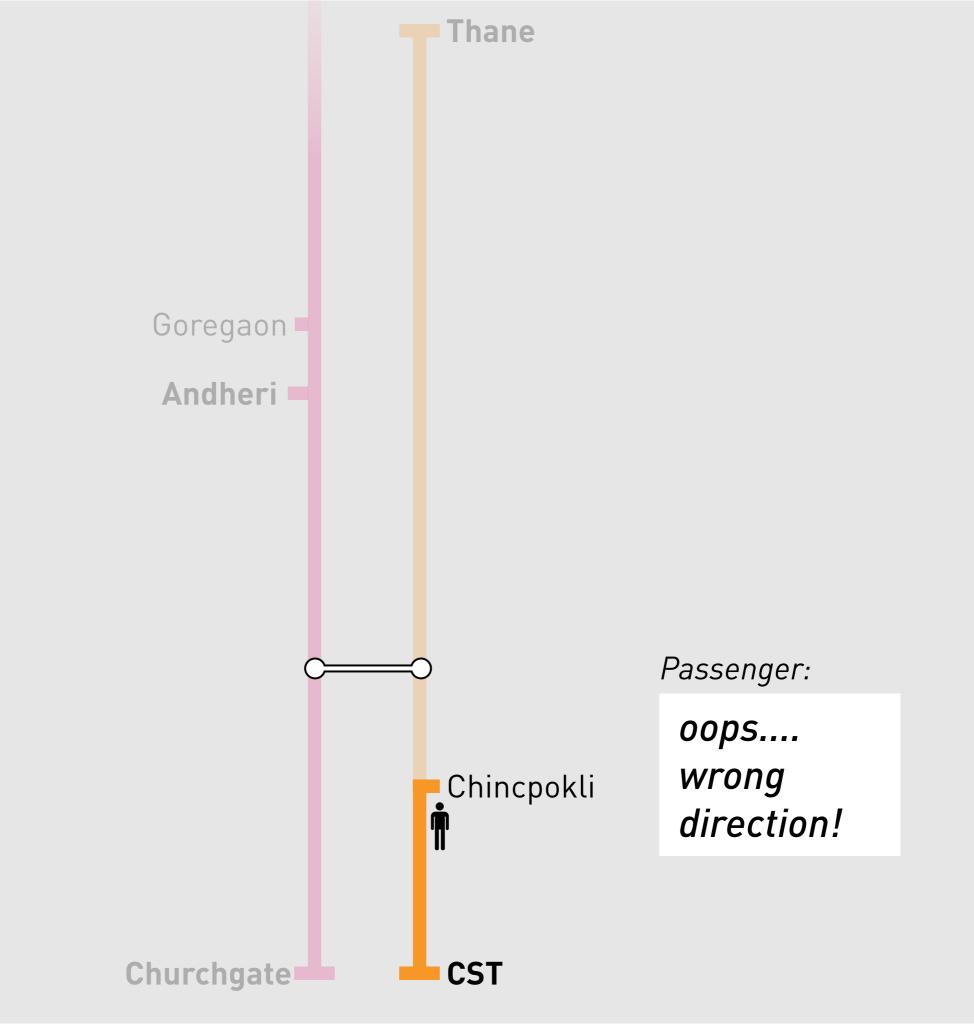


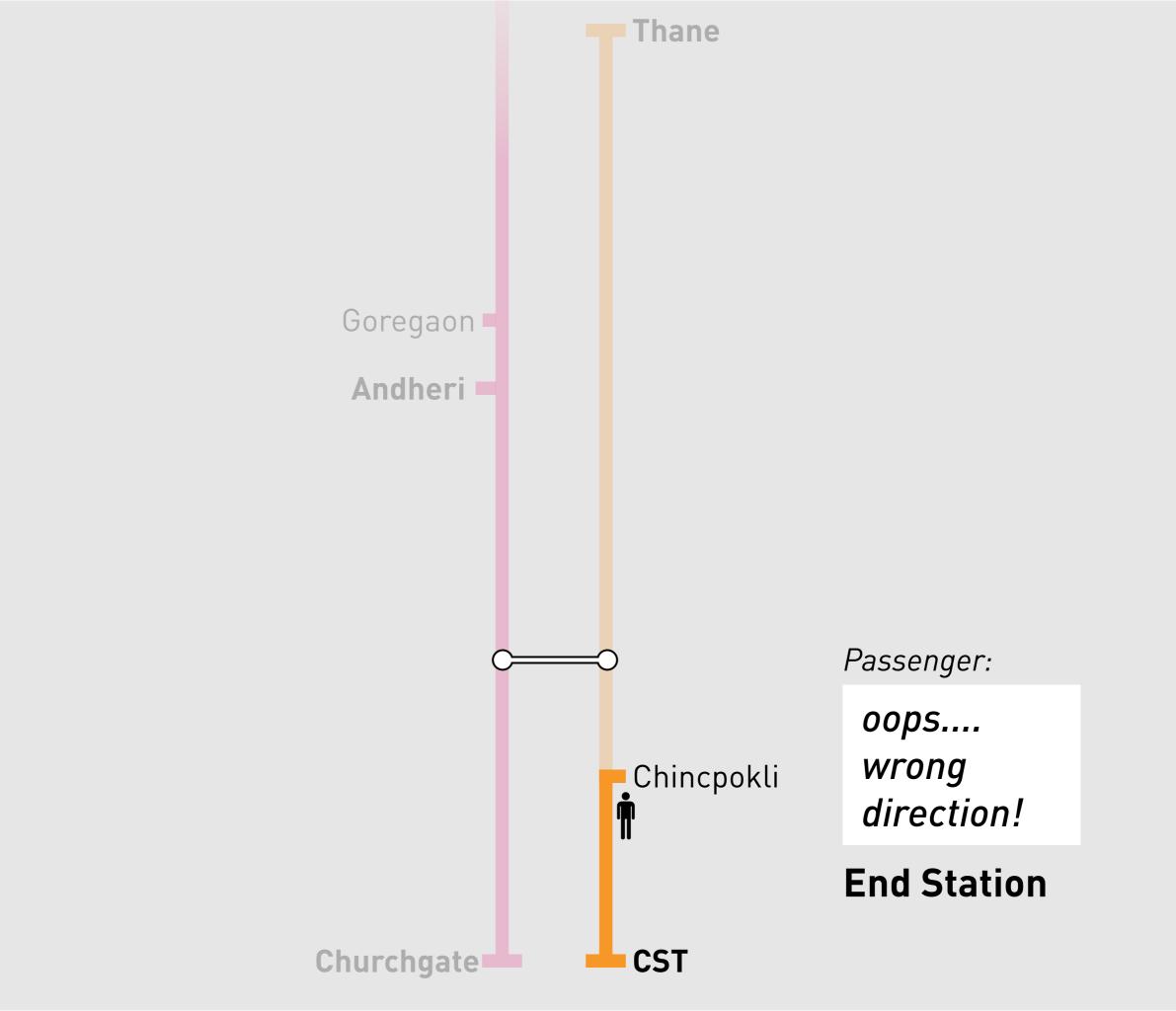


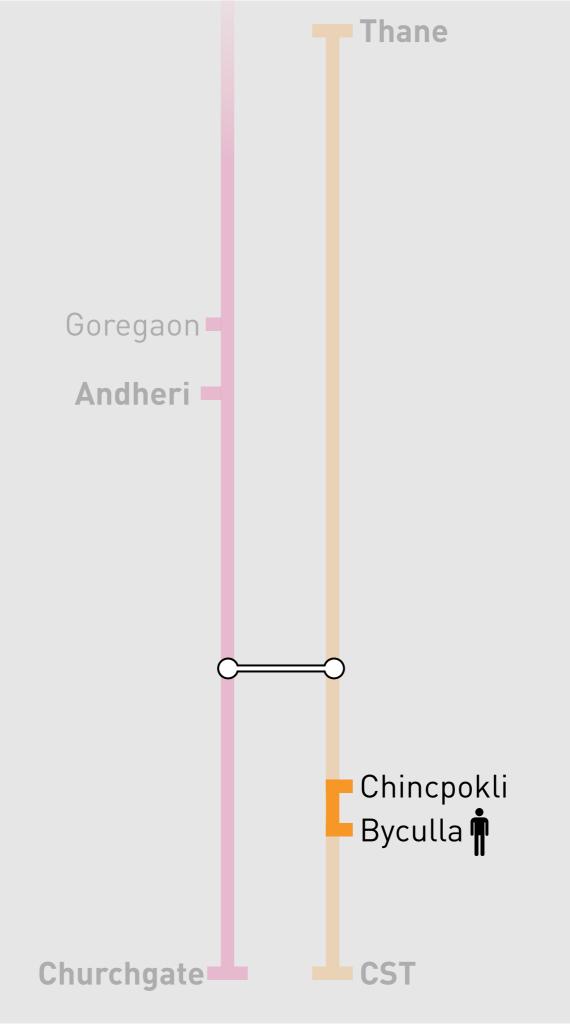


Lets see what **necessary information** he might require during travel.

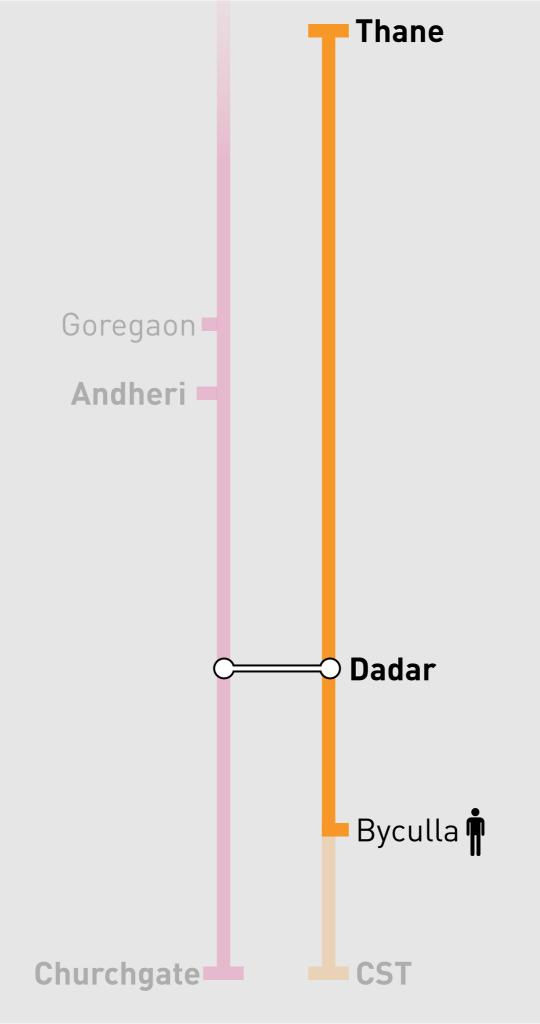


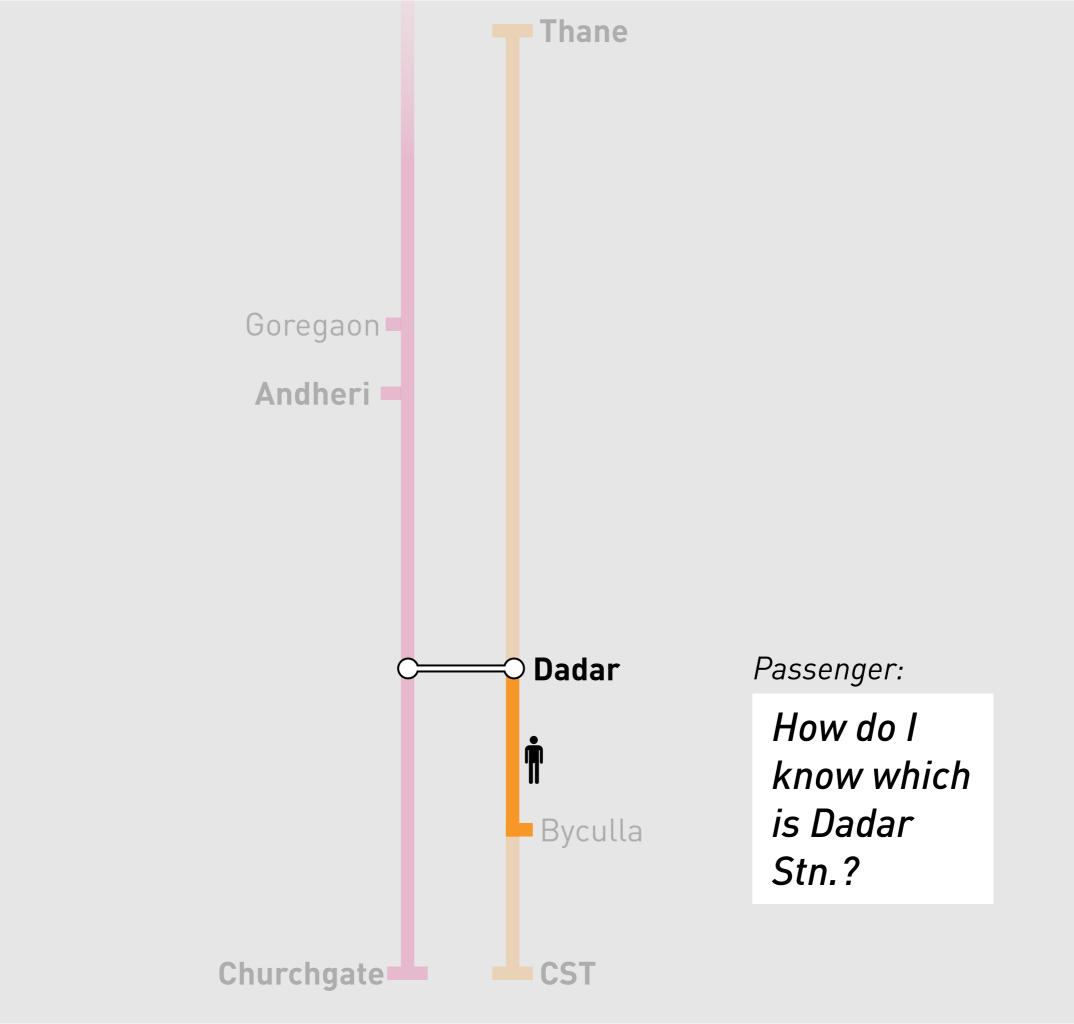


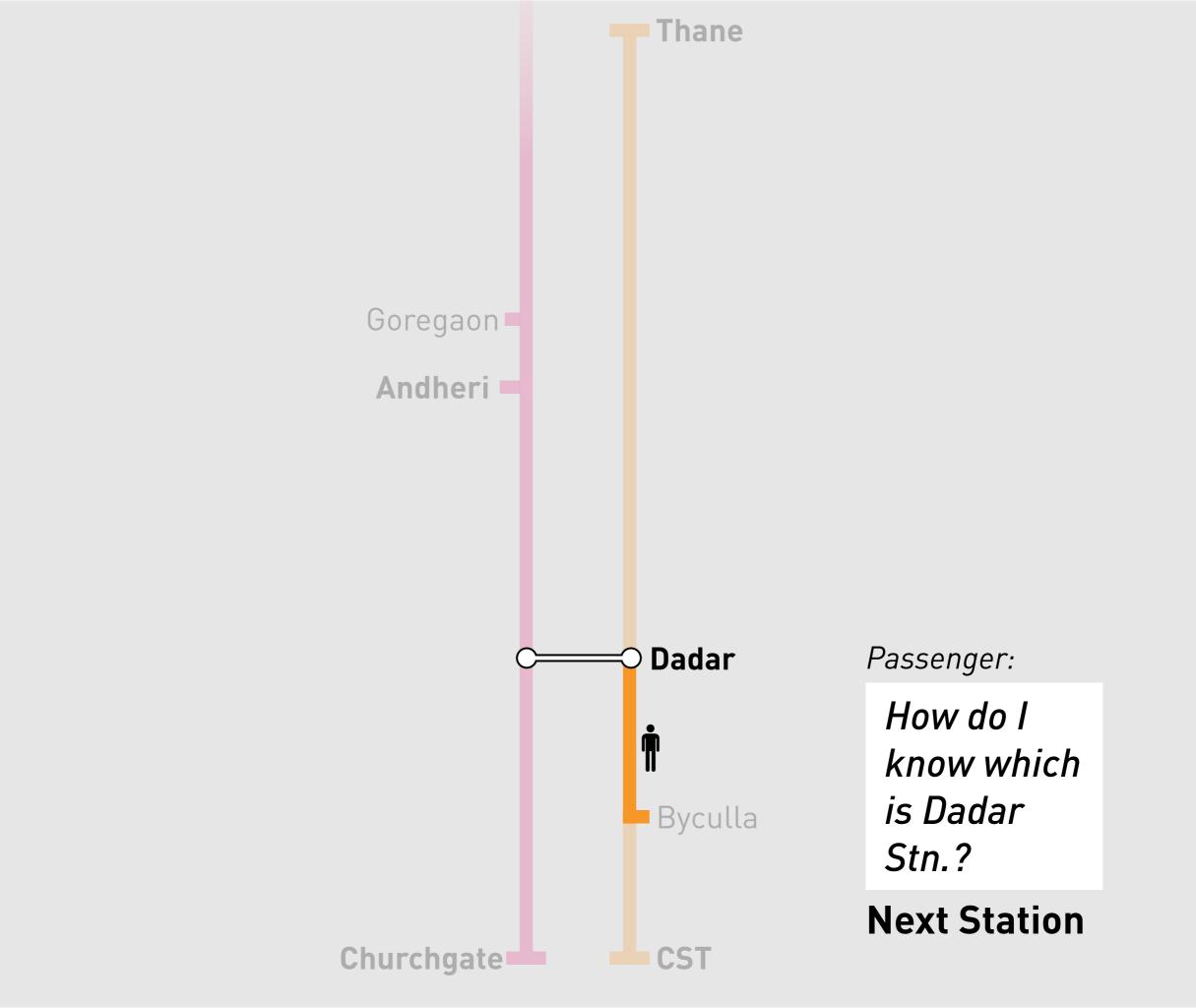


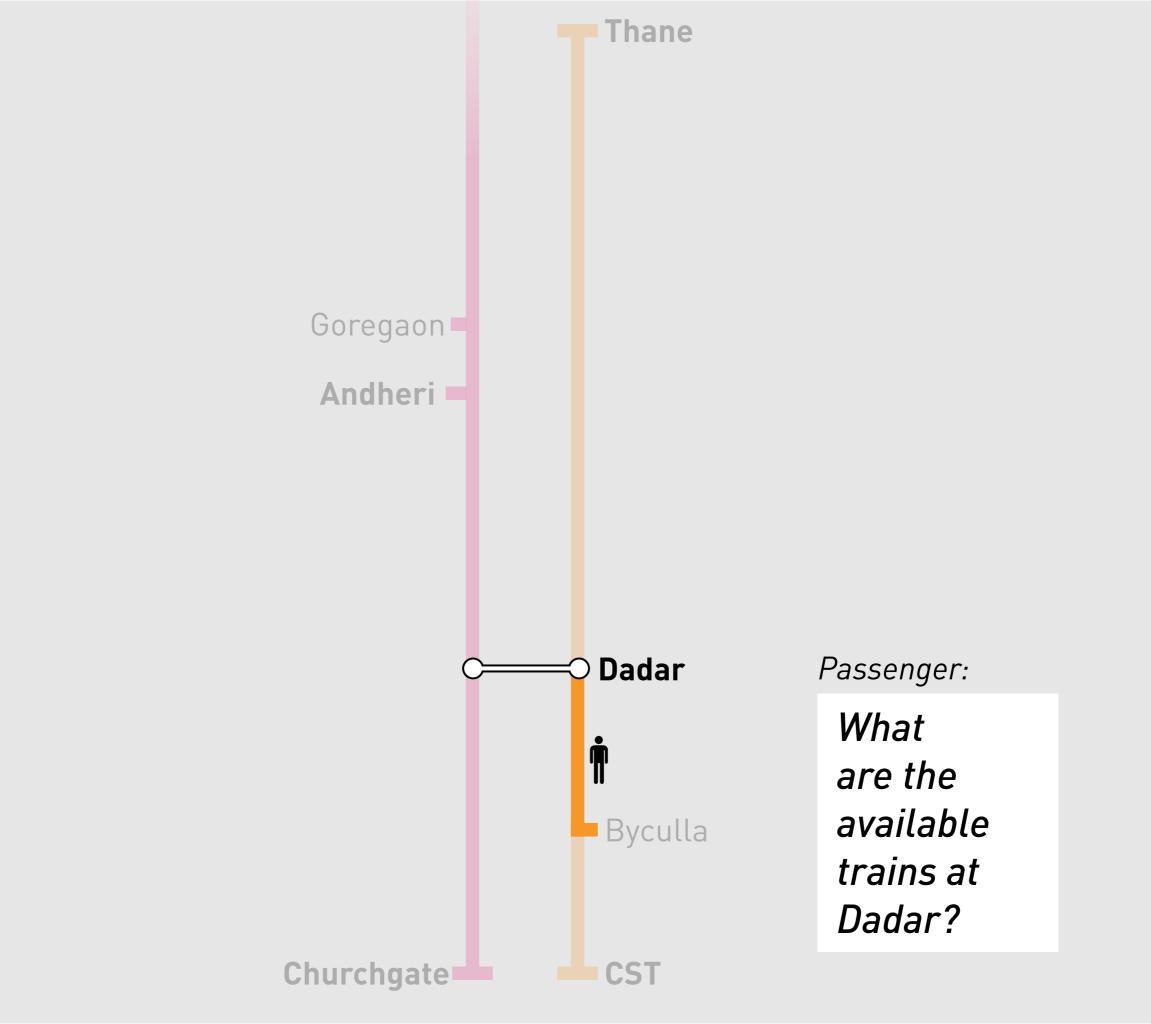


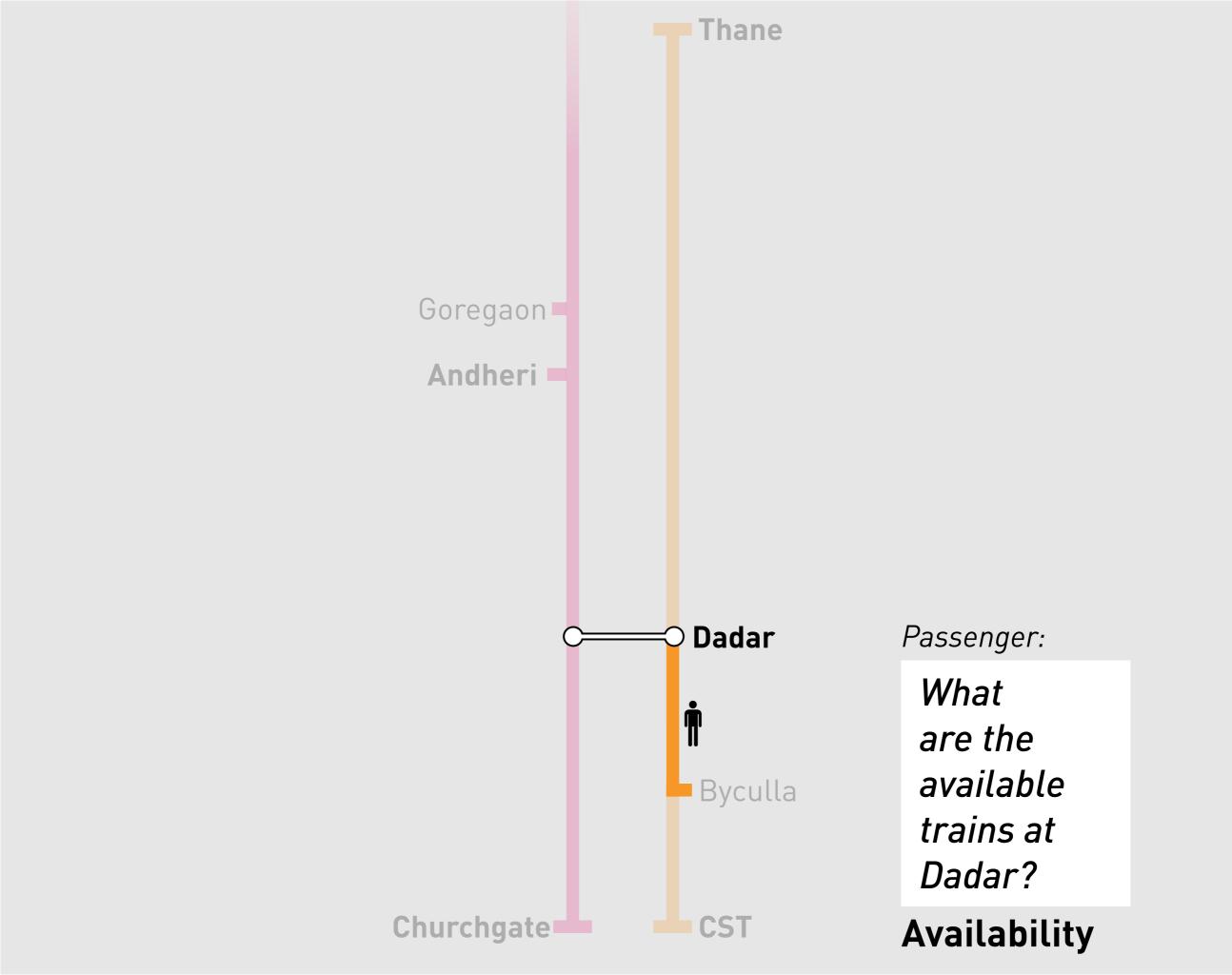
Byculla to Goregaon

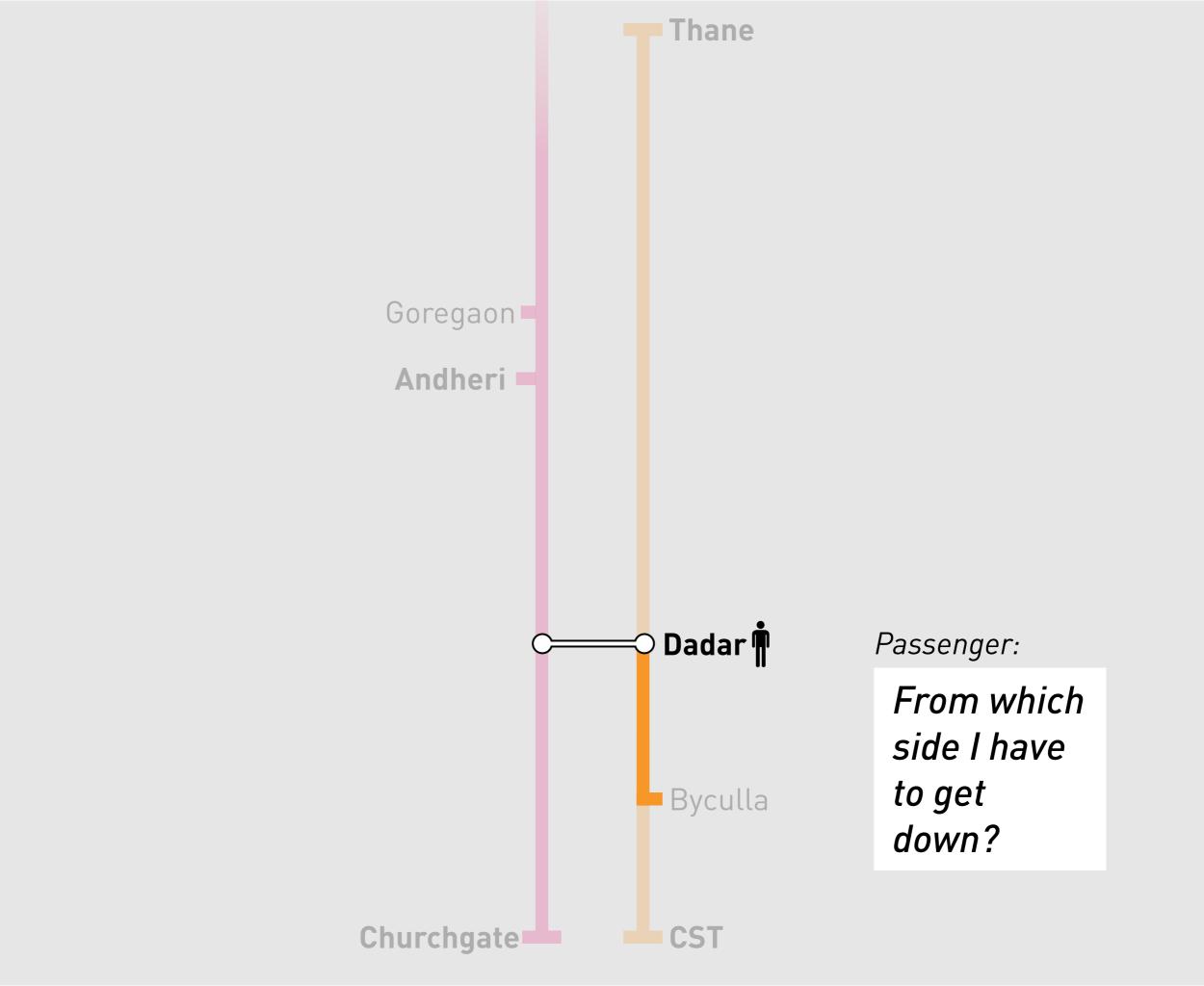


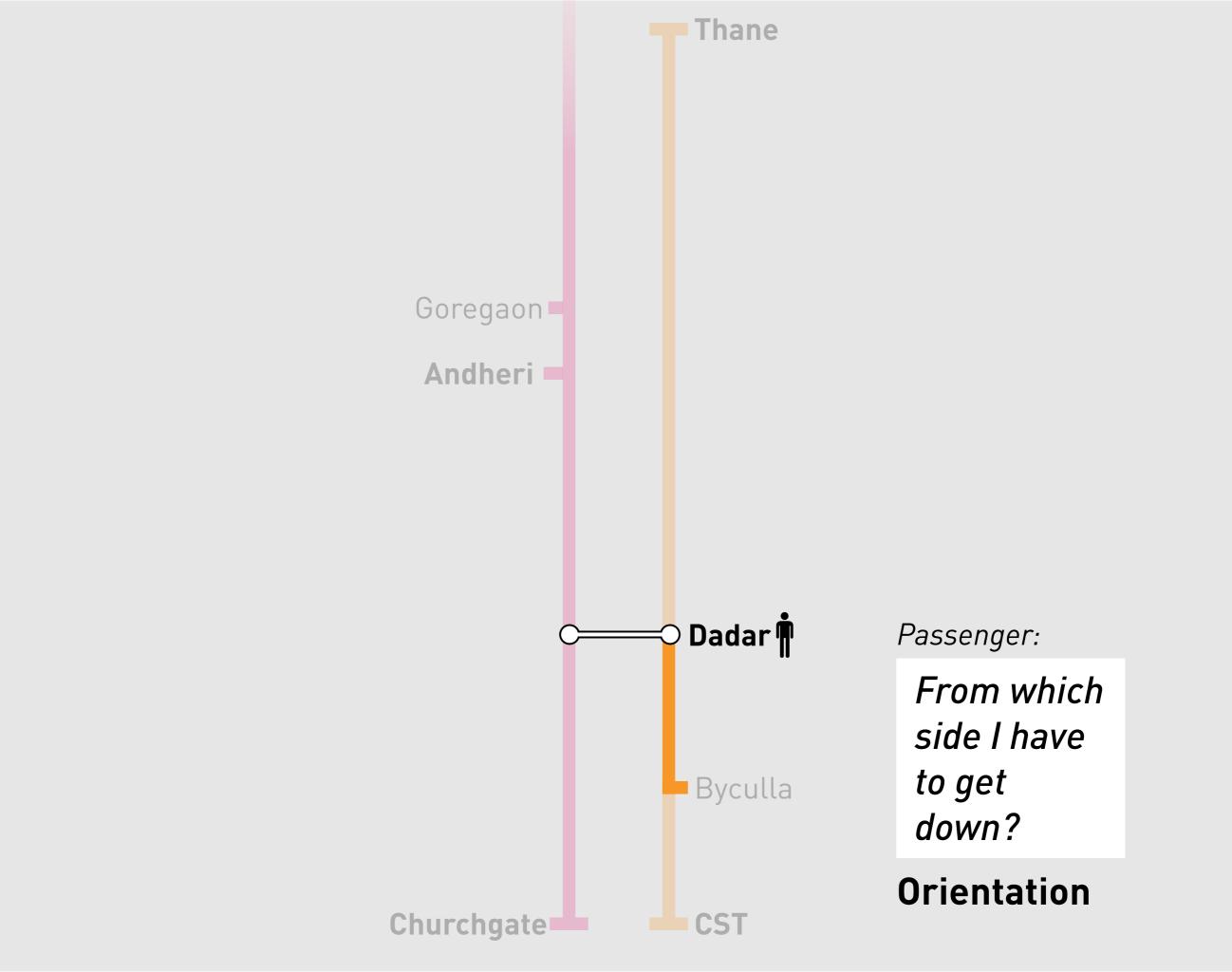


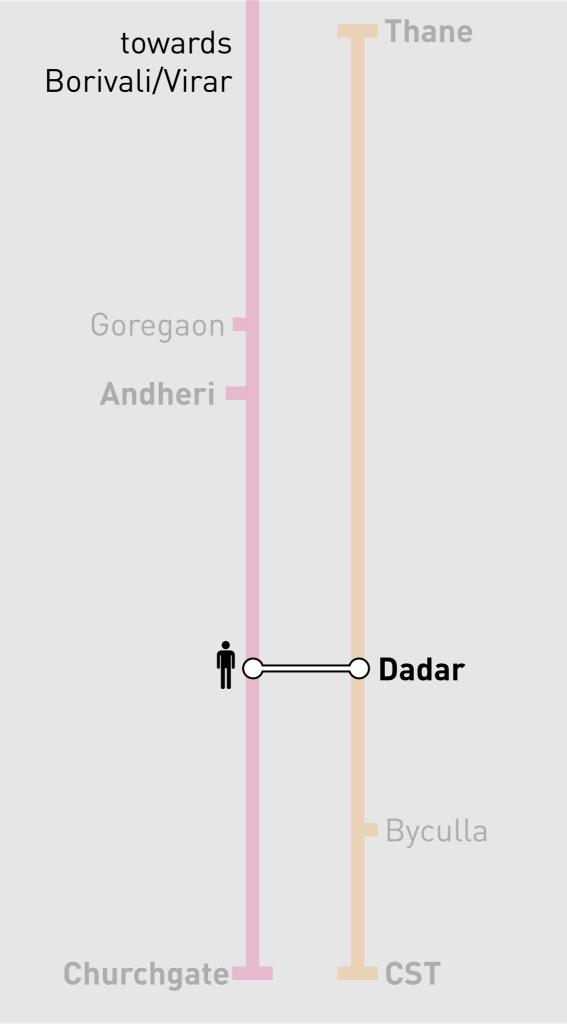


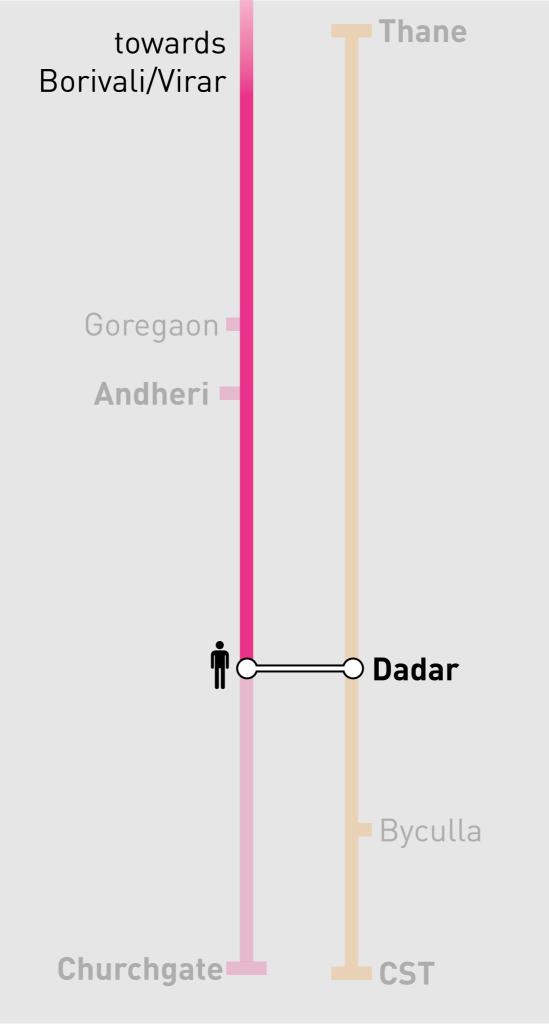


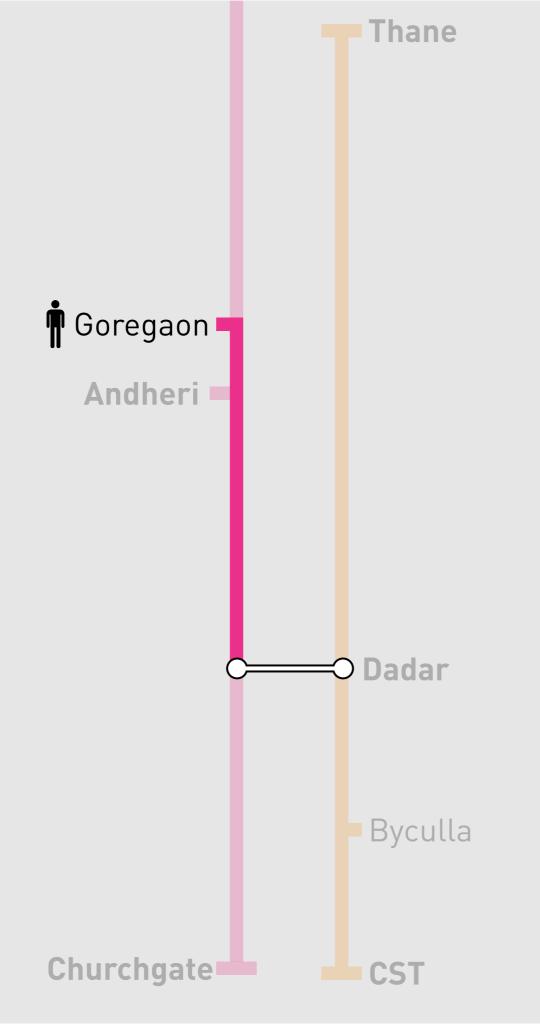












necessary info

- 1. End Station
- 2. Next Station
- 3. Availability of trains at interchange
- 4. Orientation of Platform

Since the information is real time, it can be categorized into tenses of info

Past Present Future Info Info

Past Info	Present Info	Future Info

Past Info

Previous Station

Start Station

Present Info

Future Info

Past Info

Previous Station

Start Station

Present Info

Current Station

Orientation of Platform

Future Info

Past

Previous Station

Start Station

Info

Current Station

Orientation of Platform

Future Info

Next Station

End Station

Available trains at interchange

design & decisions

design & decisions

how to be displayed?

visual language



visual language

| Singapore | Metro

Tokyo Metro Hong Kong Metro | Washington D. C. | Metro Washington D. C. Metro

Line Symbols



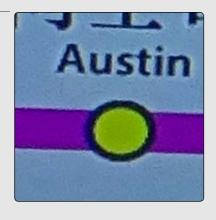








Point symbols/ Station markers











visual language

Singapore Metro Tokyo Metro Hong Kong Metro Washington D. C. Metro Washington D. C. Metro

Line Symbols



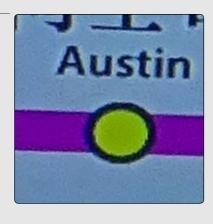








Point symbols/ Station markers











Direction/Status of Travel











typography

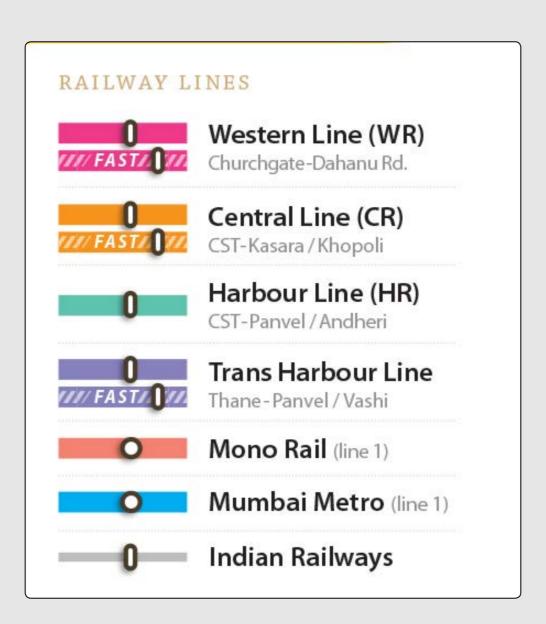


Kanjur Marg



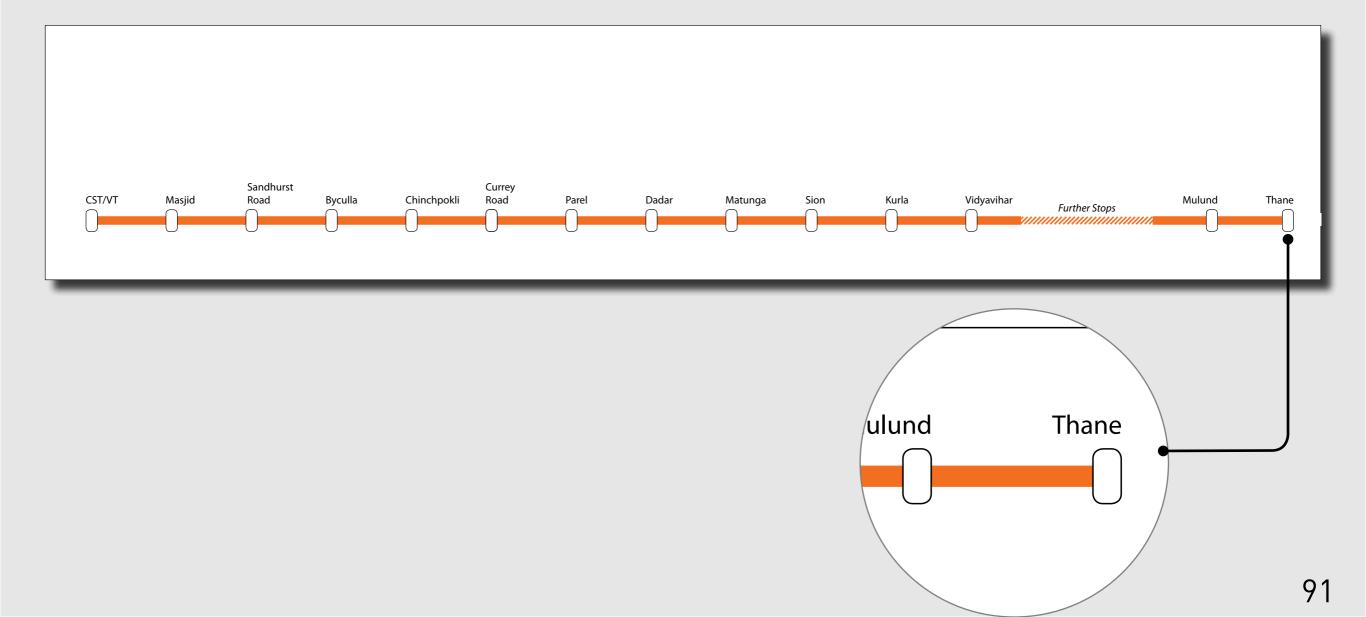


colour

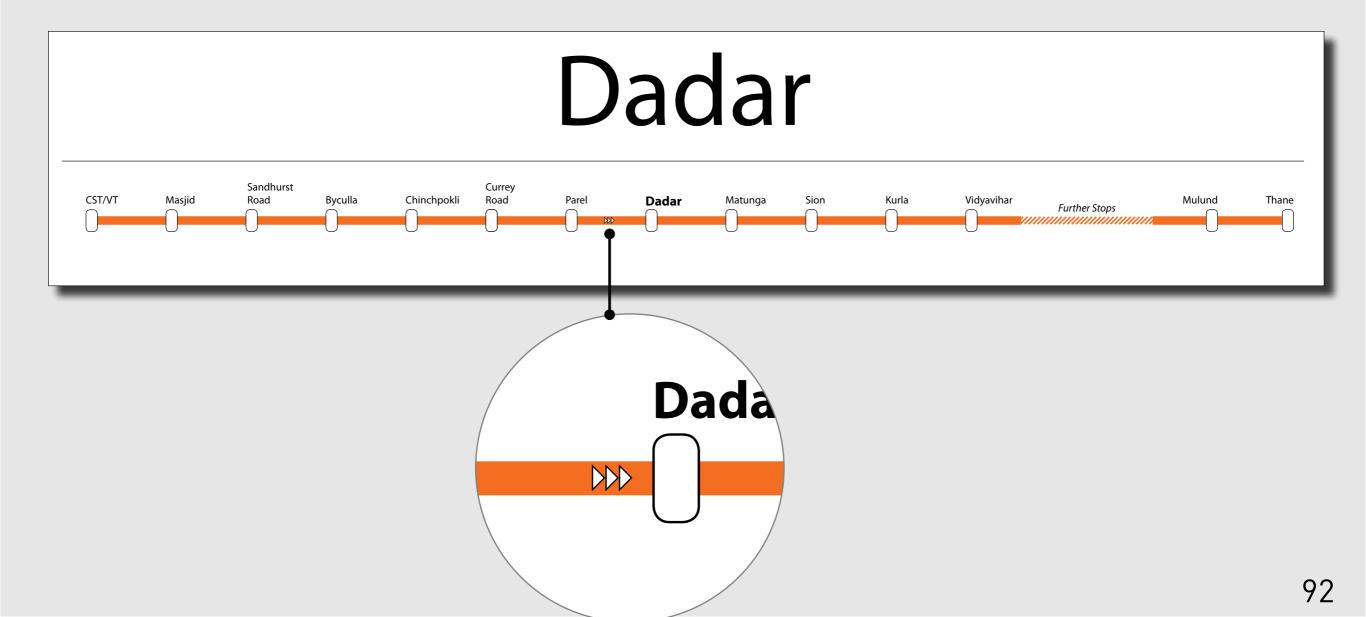


iterations

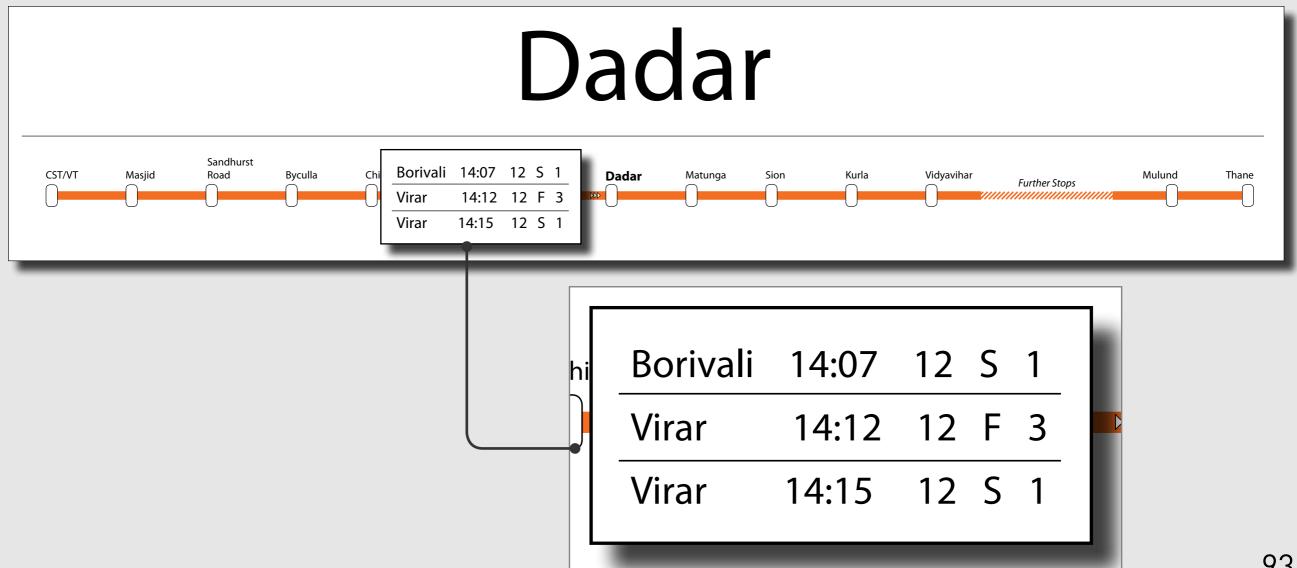
1 end station



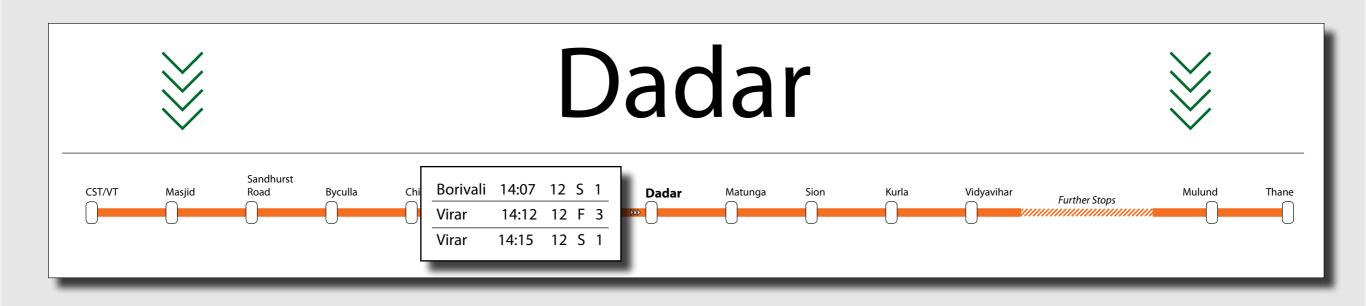
2 next station



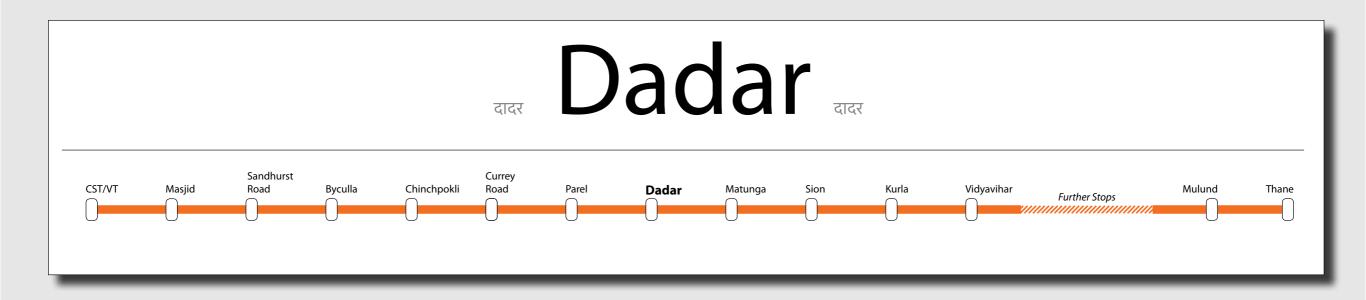
available trains at interchange



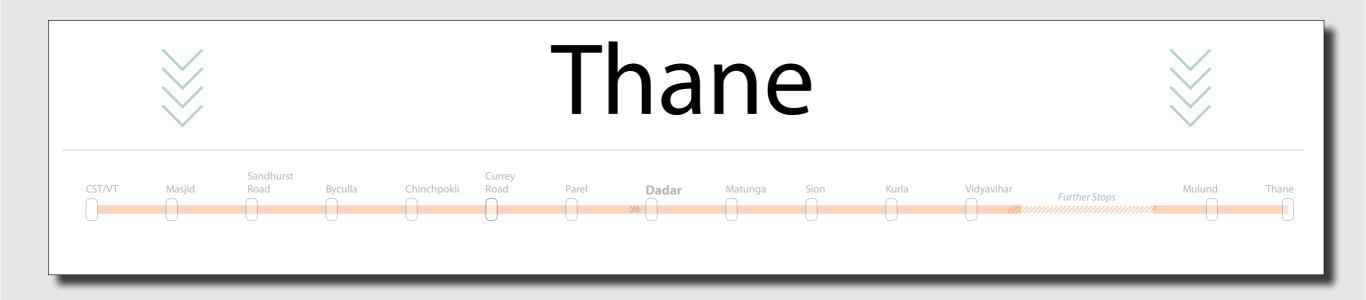
4. orientation of platform



motion design

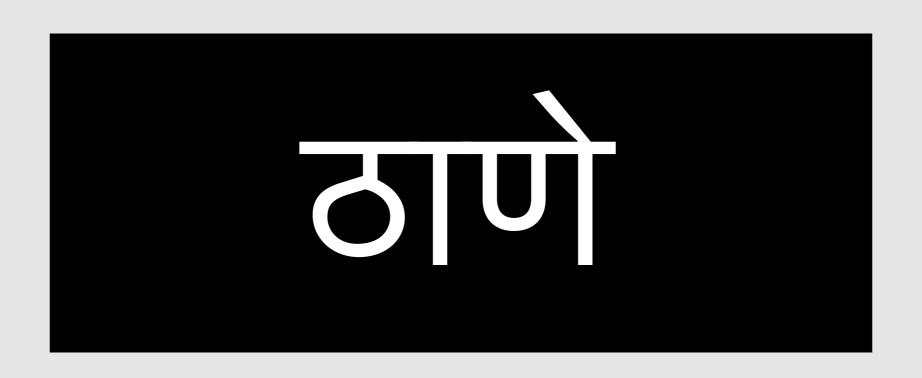


next station text



Thane





next station text

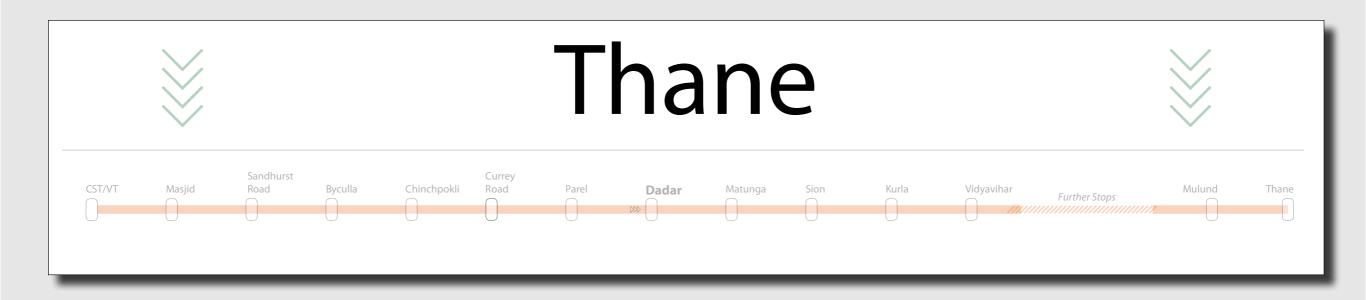


थाने Thane ठाणे

ठाणे **थाने** Thane



indication of interchange



An interchange station or a transfer station is a train station for more than one railway route.

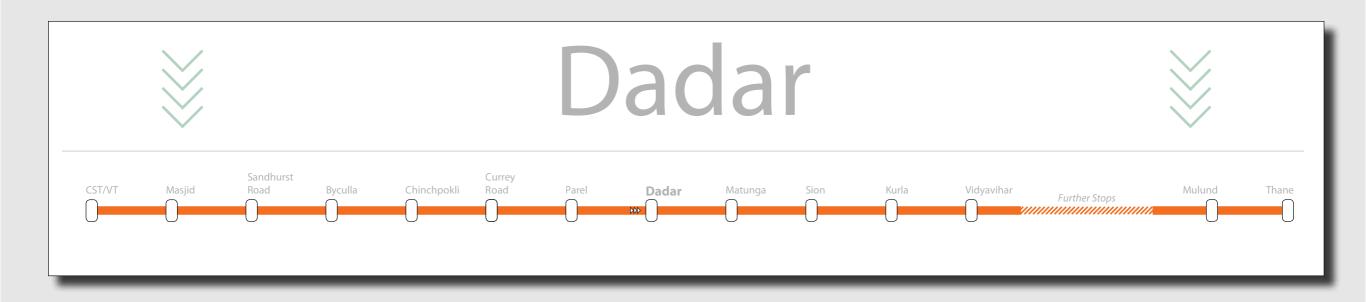


Line 1 with colour 1

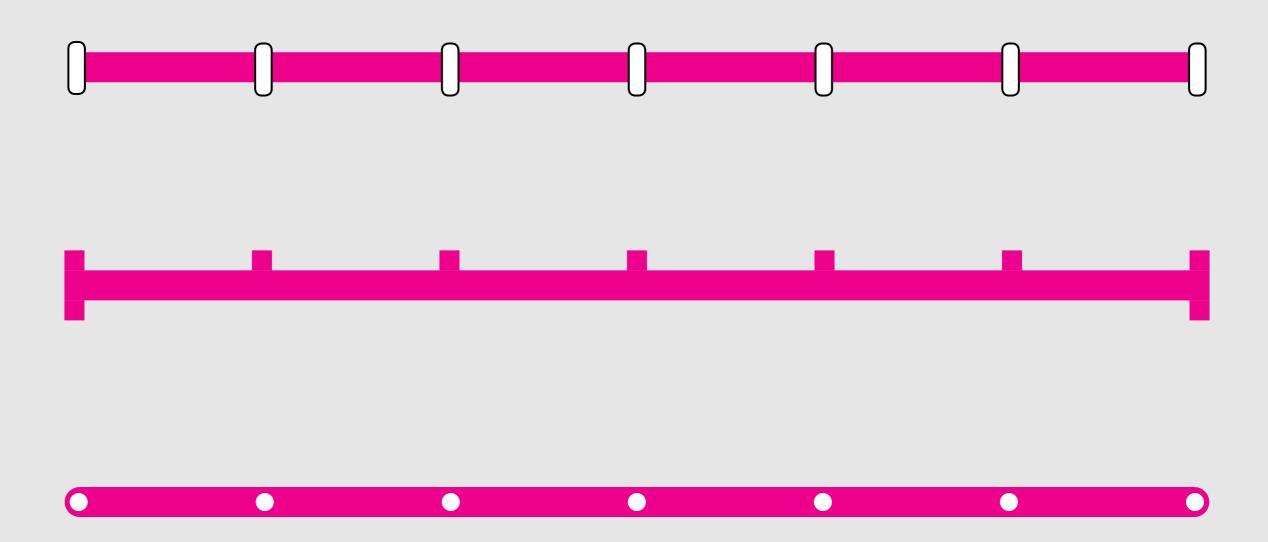


Line 2 with colour 2

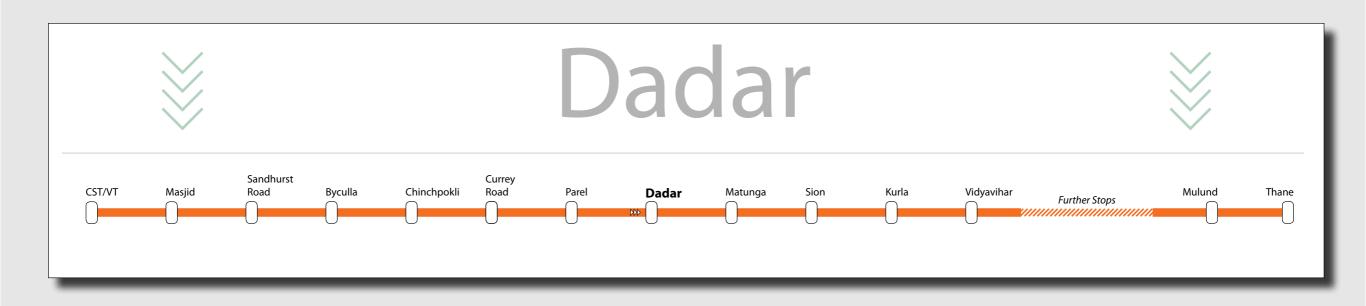
line map

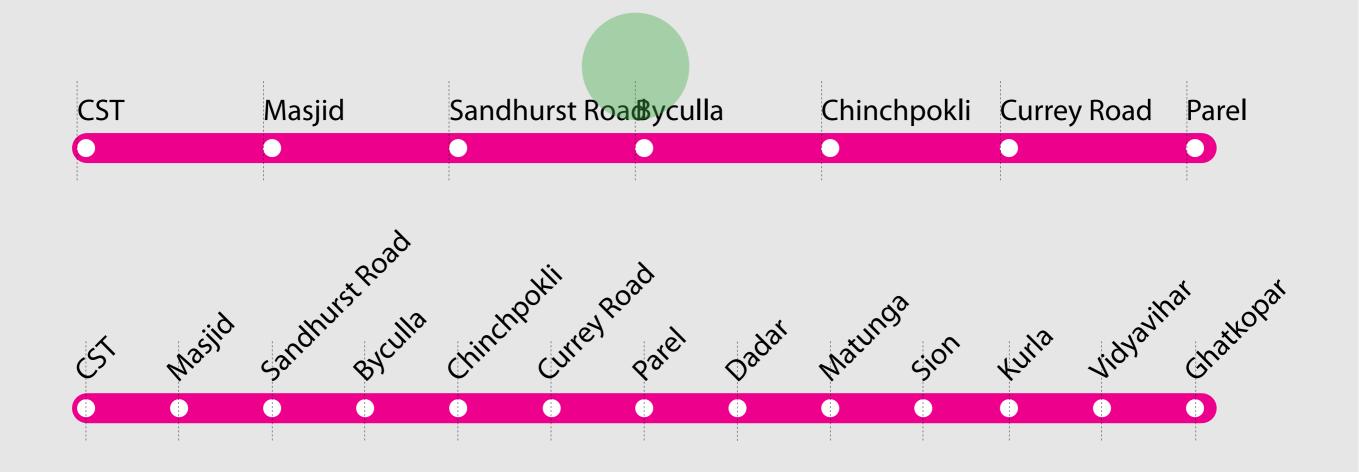


Rail network consists of finite number of stations represented by a dot/markers and these stations are connected by tracks represented by a line.

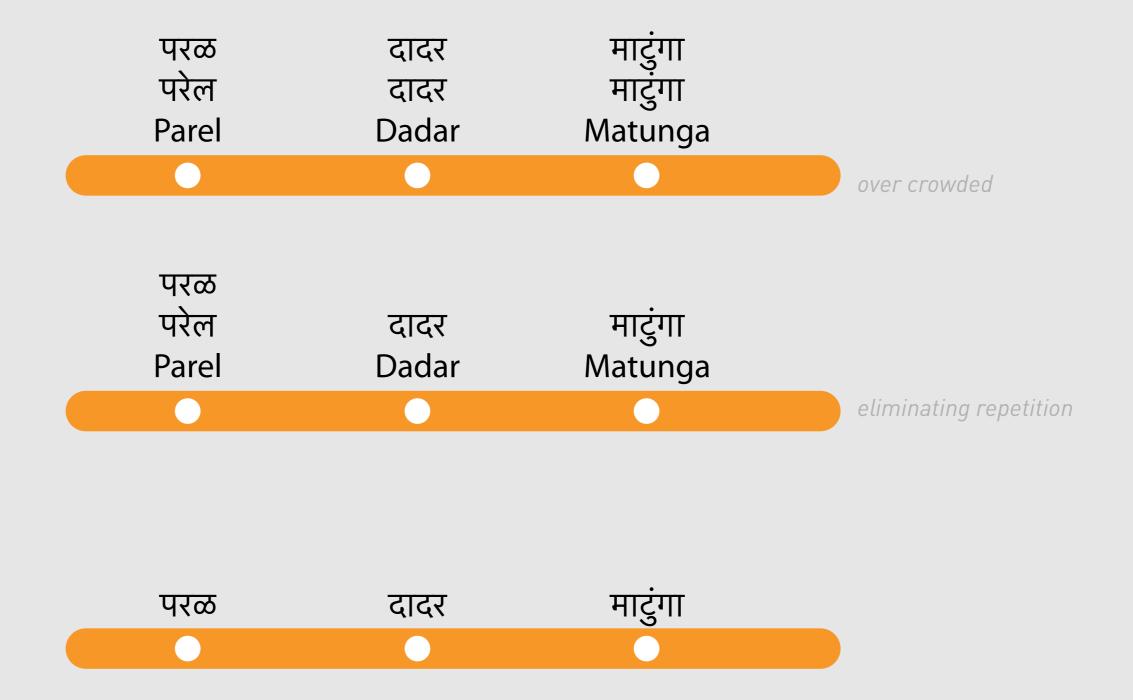


station text on line map



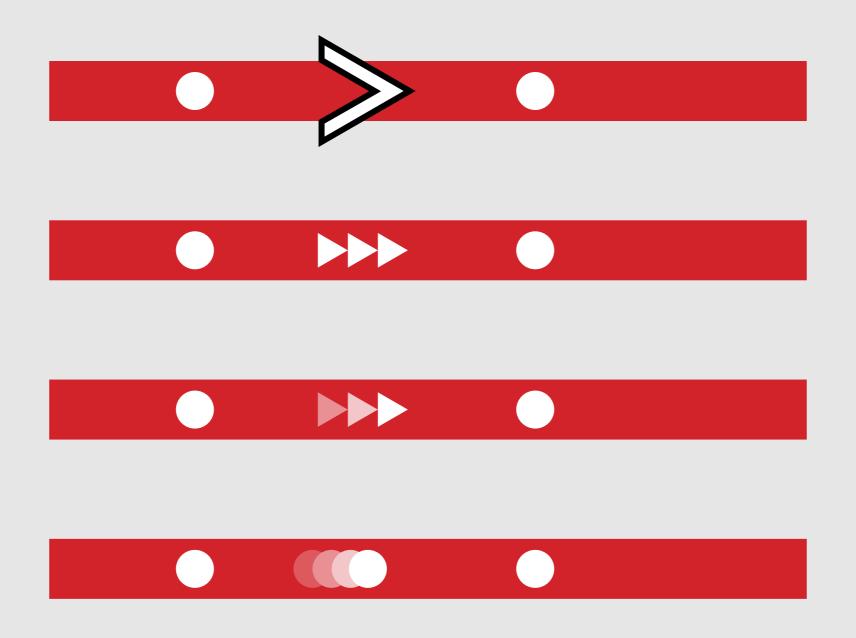




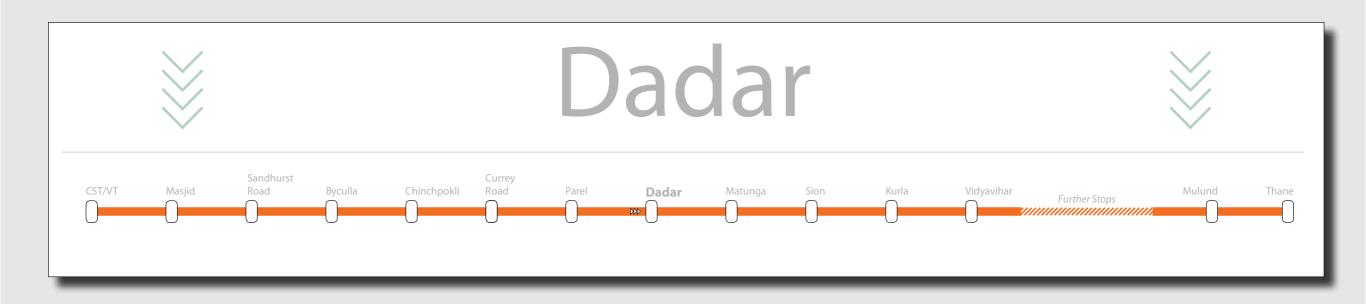


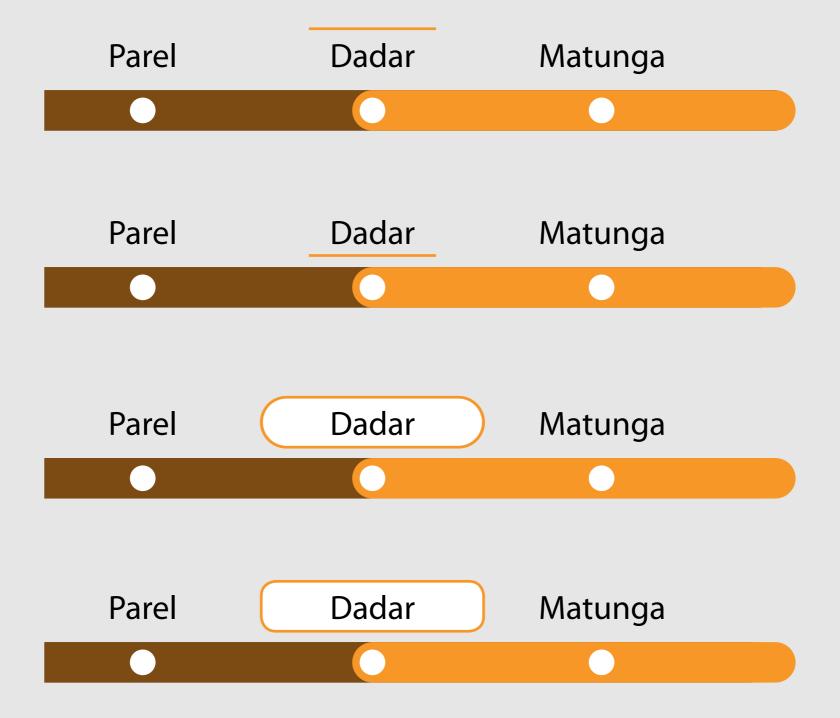
travelling



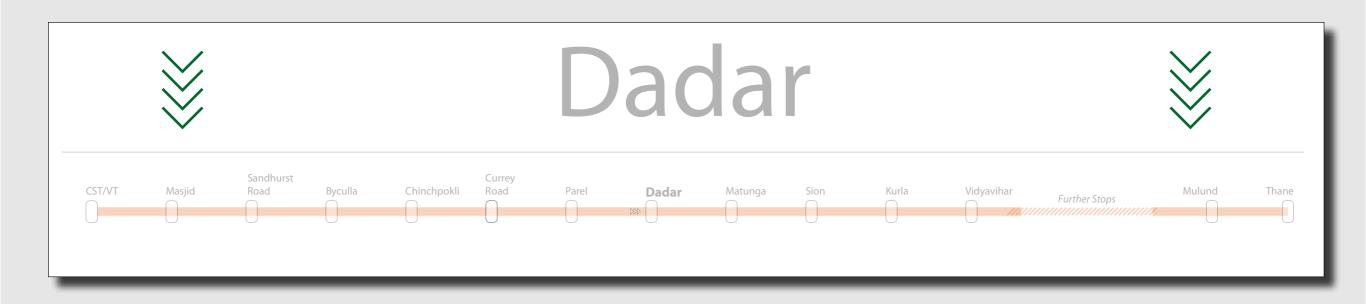


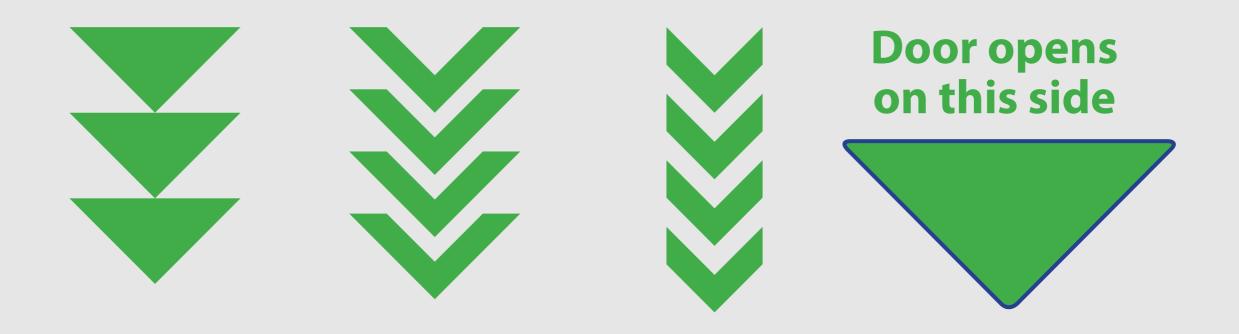
next station highlighter on line map





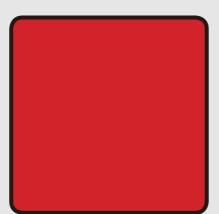
orientation of exit

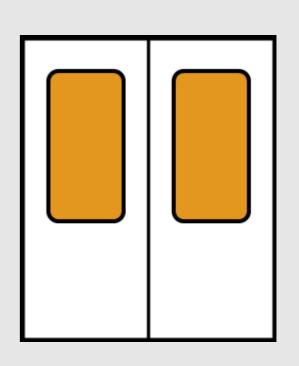


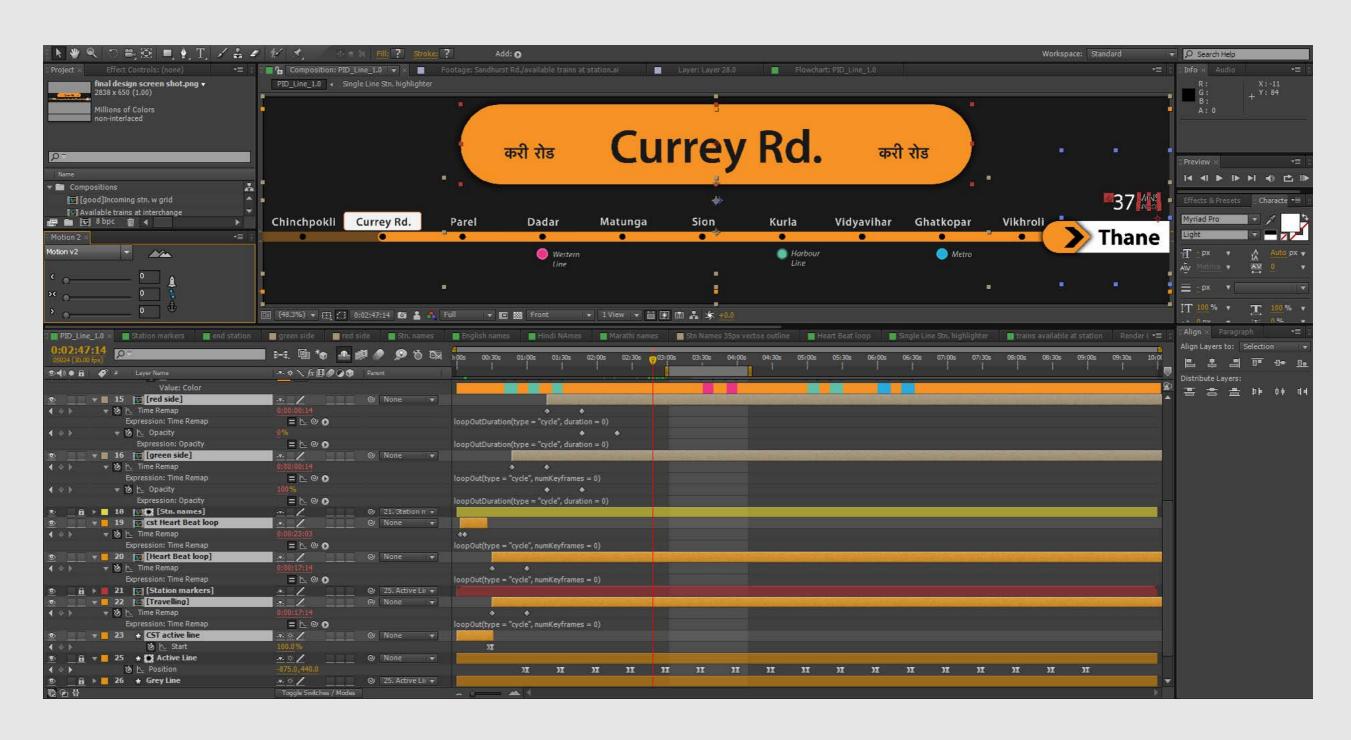












after effects workspace

final design screenshot



End



Thank You for travelling with us. Good Day.