



Functional Requirement

1. user can search route
2. user can book ticket
3. user can see own tickets

Non Functional Requirement

1. Availability > Consistency for search route & Availability < Consistency for create ticket
2. around 1mln users
3. low letency 200ms to book the ticket

Route

id
firstStation
startTime
availabeSeats

Station

id
name
nextStation
price
.....

Ticket

id
userId
routeId
fromStation
toStation

1. Route search - `api/v1/booking/route?fromStation={Tosh}&toStation={Sam}&date={2025.02.10}`

2. Book ticket - `api/v1/booking/ticket`

```
{  
  userId: 10,  
  fromStation: "Tosh",  
  toStation: "Qash",  
  price: 10,  
  routeId: 888888  
}
```

3. Own tickets - `api/v1/user/{userId}/ticket`



