Kata: Flight_tickets

An airline company wants to build its own online dashboard to allow clients purchase online flight tickets.

- Users: + 31 million customers
- Requirements
  - Each client can search available flights, buy tickets and visualize them in his wallet.
  - Admin can take of care of refunds.
  - Everyone can sign up on the dashboard.
  - Multiple clients can connect to the platform at the same time.
- Additional Context:
  - If there are multiple clients online at the same moment, the purchasing mechanism of tickets is guarantee

Flight_tickets characteristics

- Deployability: With docker compose it should be easy
- Elasticity: There will be a lot of users +31 Million and the number of users connected should floating
- Evolutionary: Each module can accept update
- Fault Tolerance: Each service works independently from others
- Modularity: Modules are defined well
- Overall cost: Due to number of users, it should be expensive
- Performance: Due to number of users, it should be not so performance
- Reliability: It must be reliable because the platform is an e-commerce platform
- Scalability: Number of users requests can increase a lot
- Simplicity: It will be a difficult system
- Testability: Each module can be tested easily

Amounts

Deployability	****	Performance	**
Elasticity	*****	Reliability	****
Evolutionary	*****	Scalability	*****
Fault tolerance	****	Simplicity	*
Modularity	*****	Testability	****
Overall cost	⋆		

Conclusions

The type of architecture is a Microservices architecture