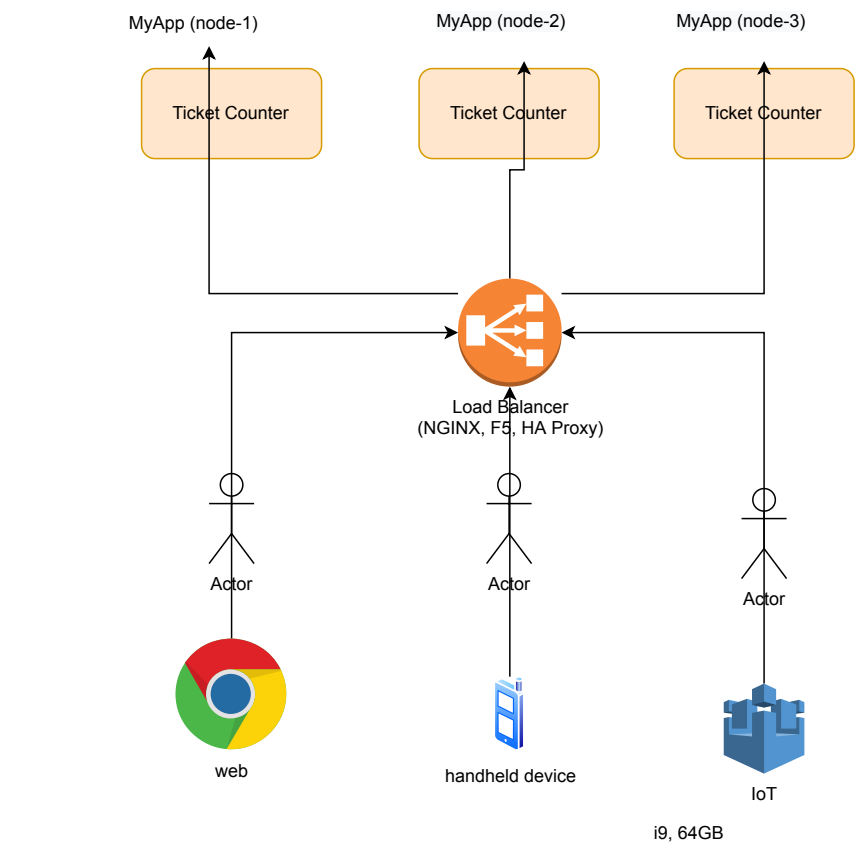
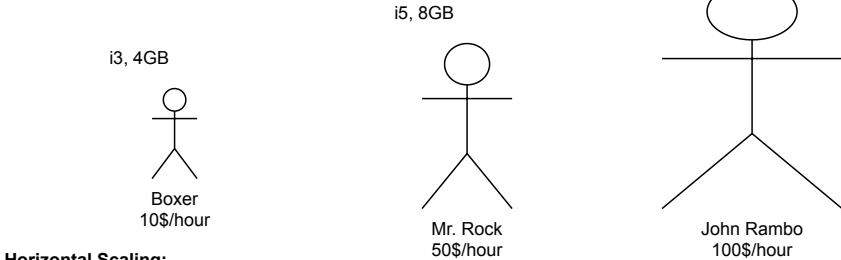


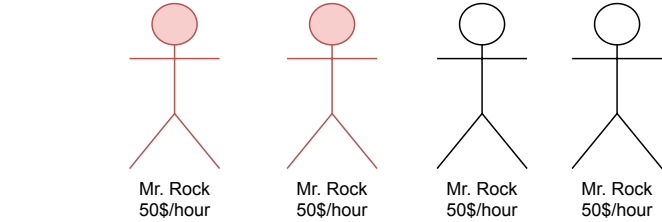
- 1) Load Balancer
- 2) Scaling (Vertical vs Horizontal)
- 3) High Availability

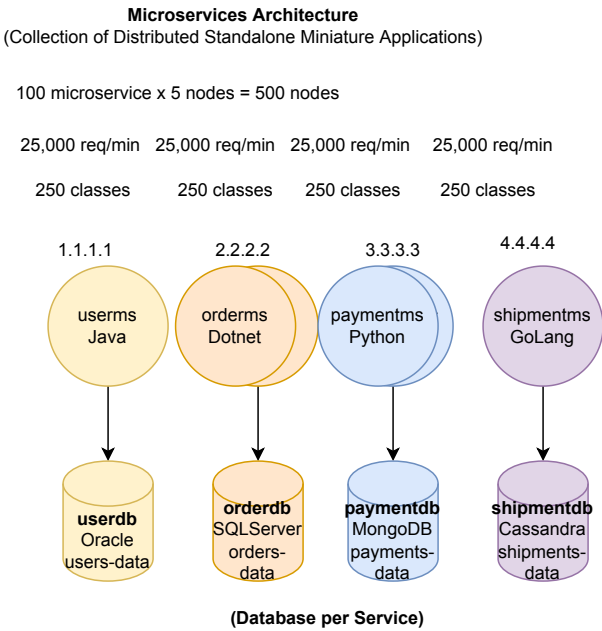
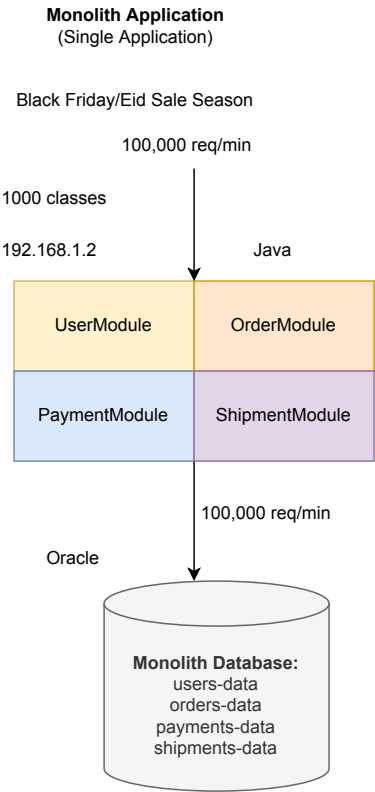


Vertical Scaling:



Horizontal Scaling:





**Pros(Advantages) of Microservices:**

- 1. Agility: Faster Development
- 2. Agility: Faster Build
- 3. Agility: Faster Testing
- 4. Agility: Faster CI/CD
- 5. Agility: Faster Release
- 6. Cherry-pick Scaling
- 7. Startup is shorter (cloud native)
- 8. Technology Hetrogenity
- 9. Database Hetrogenity
- 10. Resiliency

**Cons(Disadvantages) of Microservices:**

- 1. Latency between Microservices
- 2. Distributed Data Access (Aggregation / Tx Mgmt)
- 3. Complexity in Managing Nodes (Servers + DB)
- 4. Cost (Infra + Dev/DBA)

