Fresher Level System Design

1. Design a simple URL shortening service.

2. Design a basic chat application.

3. Design a file storage system.

4. Design a simple social media platform.

5. Design a simple search engine.

6. Design a simple e-commerce website.

7. Design a basic ride-sharing system.

8. Design a basic video streaming service.

9. Design a simple recommendation system.

10. Design a basic food delivery app.

11. Design a parking lot management system.

12. Design a simple music streaming service.

13. Design a basic online ticket booking system.

14. Design a simple note-taking application.

15. Design a weather forecasting system.

16. Design a basic email service.

17. Design a file synchronization system.

18. Design a simple calendar application.

19. Design a basic online quiz platform.

20. Design a user authentication system.

Experienced Level System Design

1. Design a URL shortening service like bit.ly.

2. Design a distributed key-value store like Redis.

3. Design a scalable social network like Facebook.

4. Design a scalable recommendation system like Netflix.

5. Design a distributed file system like Hadoop's HDFS.

6. Design a real-time messaging system like WhatsApp.

7. Design a web crawler like Google.

8. Design a distributed cache like Memcached.

9. Design a content delivery network (CDN) like Cloudflare.

10. Design a scalable search engine like Google.

11. Design a ride-sharing system like Uber.

12. Design a video streaming service like YouTube.

13. Design an online food delivery system like Zomato.

14. Design a collaborative document editing system like Google Docs.

15. Design an e-commerce platform like Amazon.

16. Design a recommendation system for an online marketplace.

17. Design a fault-tolerant distributed database system.

18. Design a scalable event-driven system like Twitter.

19. Design a scalable photo-sharing platform like Instagram.

20. Design a distributed task scheduling system.