● Description:

Once we start the launcher initially the MainUDPTimeServer responds to the clients request for date and time.At the same time it creates log.txt and sends heartbeat to the monitoring service indicating it is alive. After a random amount of time the main server crashes, monitoring service identifies this crash and notifies the backup server to start.Backup server takes the log created by main server and resumes the same operation.
Main server's behavior is visible on the launcher window.Backup server's behavior is visible on the Monitoring service window. Steps to Execute Code.

● Java version used is 8

● Commands:

1. Compile the five java files- UDPClient, MonitoringService, Launcher ,BackupUDPTimeServer, MainUDPTimeServer
2. Run the Launcher.java file
3. Run MonitoringService.java file
4. Run UDPClient.java file