



MAVERICK'S

CHAT SURVEILLANCE PROGRAM



www.github.com/8nkit/DAAproject



INTRODUCTION

OUR PROJECT IS BASED ON FINDING THE CUSS WORDS WITHIN A CHAT DATA AND THEN TRANSFER IT BY ENCRYPTING IT & THEN READING OF THE SAME BY DECRYPTING IT.

Submitted by :



MAVERICK'S



 I may be slow to respond.

Abhinav Joshi
8817103002



 Sophomore

Ankit Sharma
8817103009



 Focusing

Piyush Kansal
8817103023



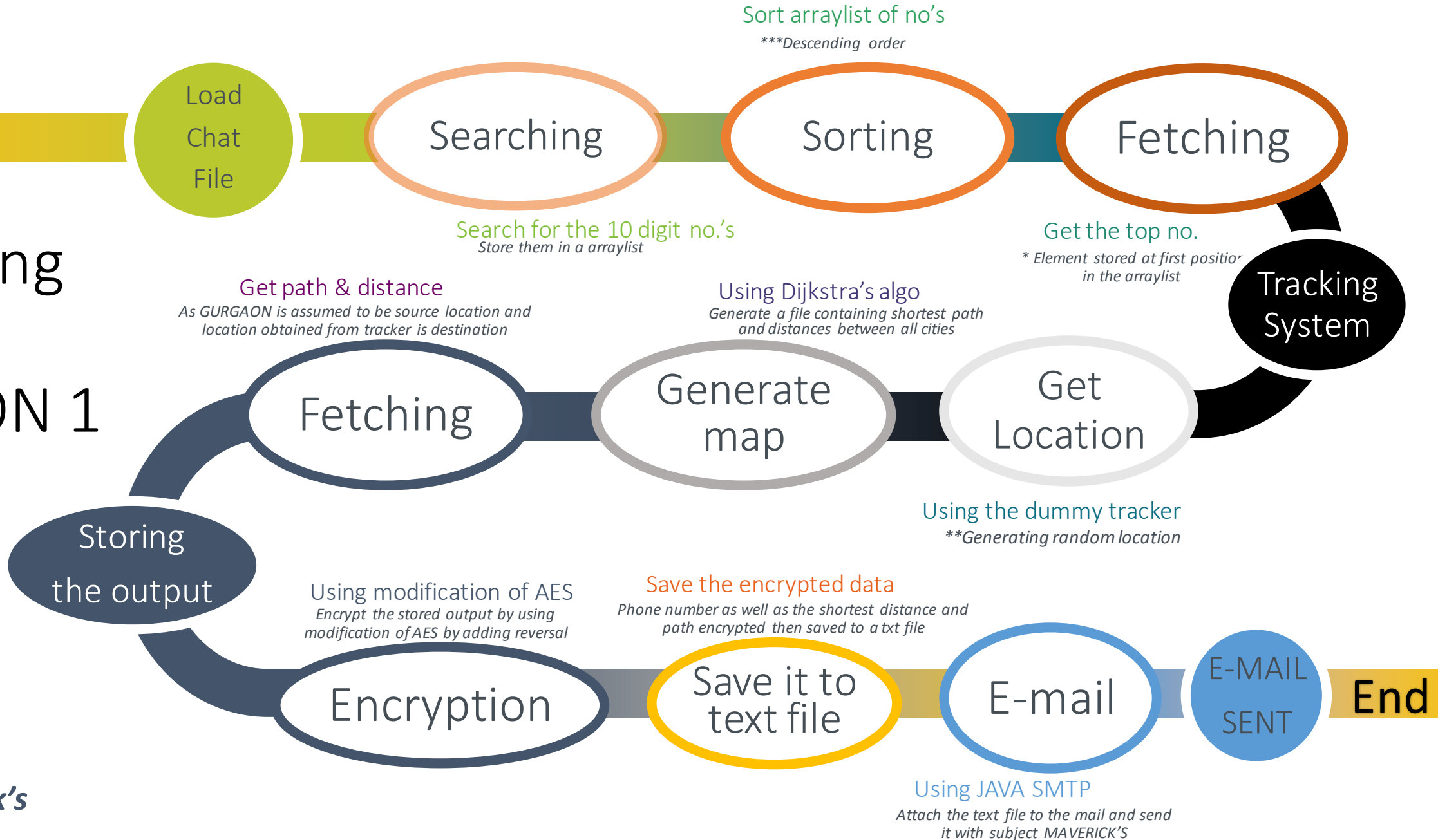
Guided by :



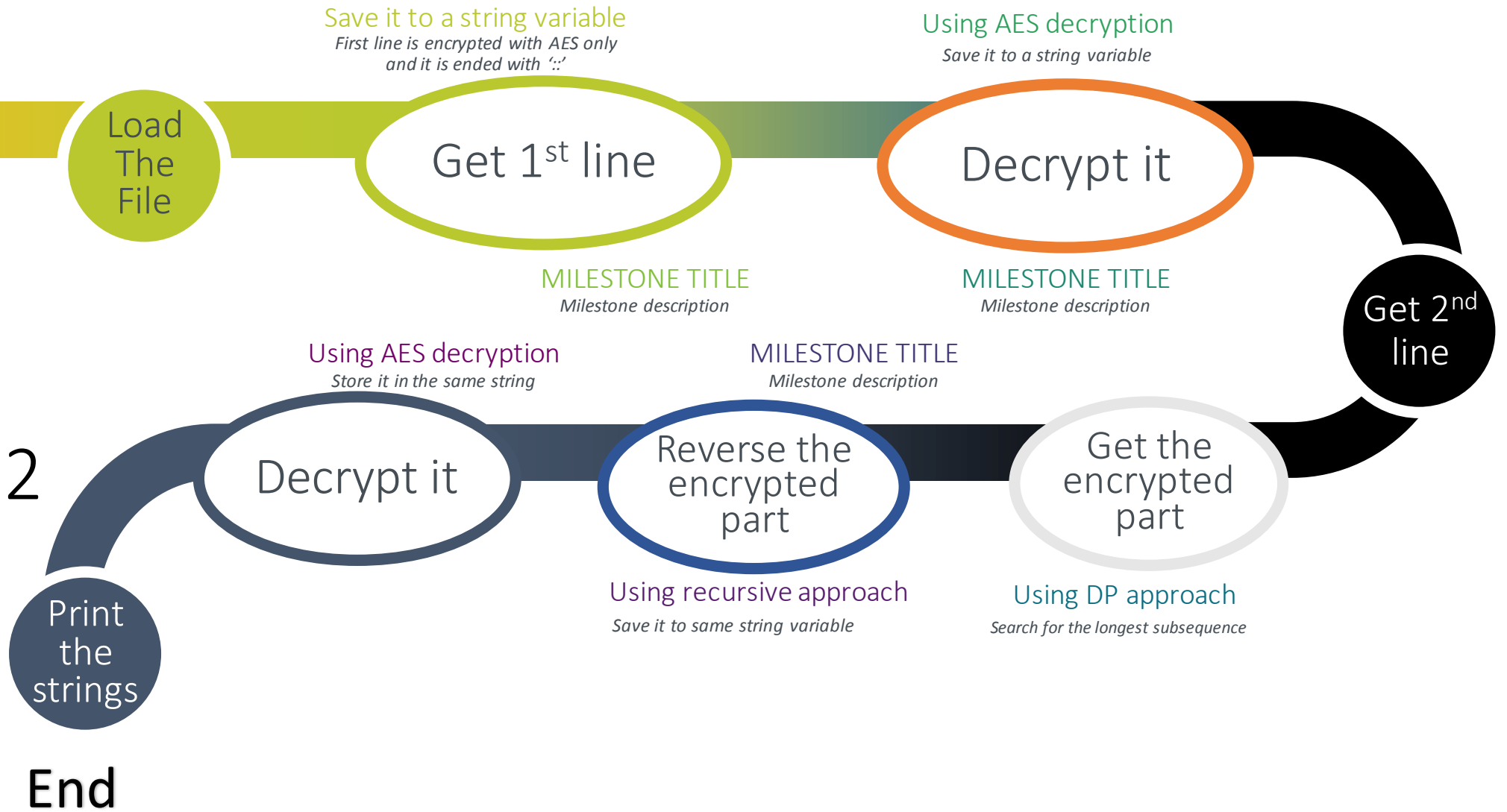
Mr. Gaurav Raj

Our supporting system, helping hub
and a truly inspiring nimble-witted
faculty.

Working of the OPTION 1



Working of OPTION 2





Used Algorithms

1. Searching
2. Sorting
3. Dijkstra's Algorithm
4. Min heap
5. JAVA AES
6. Most occurred longest substring (DP)
7. Reversal of String (Divide & Conquer)

Code snippets

```
package finalproject;
import java.util.*;
public class Graph {
    private ArrayList<Vertex> vertices;
    public Graph(int numberVertices){
        vertices = new ArrayList<Vertex>(numberVertices);
        for(int i=0;i<numberVertices;i++){
            vertices.add(new Vertex(Integer.toString(i)));
        }
    }

    public void addEdge(int src, int dest, int weight){
        Vertex s = vertices.get(src);
        Edge new_edge = new Edge(vertices.get(dest),weight);
        s.neighbours.add(new_edge);
    }

    public ArrayList<Vertex> getVertices() {
        return vertices;
    }

    public Vertex getVertex(int vert){
        return vertices.get(vert);
    }
}
```

```
static void sendmail(){
    Scanner sc= new Scanner(System.in);
    System.out.println("\n ");
    System.out.println("Recipient email : ");
    String to = sc.nextLine();
    System.out.print("To send this mail you must login to your mailing account : \n");
    System.out.print("Email : ");
    String from = sc.nextLine();
    System.out.print("Password : *****");
    String pass="icing9cake@";
    System.out.println("\n");
    System.out.println("Logging you in and sending your mail ...");
    int timeToWait = 3; //second
    try {
        for (int i=0; i<timeToWait; i++) {
            Thread.sleep(400);
            System.out.print(".");
        }
    } catch (InterruptedException ie)
    {
        Thread.currentThread().interrupt();
    }
}
```

```
package finalproject;
import java.util.*;
public class Vertex implements Comparable<Vertex>{
    public final String name;
    public ArrayList<Edge> neighbours;
    public LinkedList<Vertex> path;
    public double minDistance = Double.POSITIVE_INFINITY;
    public Vertex previous;
    public int compareTo(Vertex other){
        return Double.compare(minDistance,other.minDistance);
    }
    public Vertex(String name){
        this.name = name;
        neighbours = new ArrayList<Edge>();
        path = new LinkedList<Vertex>();
    }
    public String toString(){
        return name;
    }
}
```




Credits

These awesome resources helped us a lot while this project was in making :

- ◇ Introduction to Algorithms (By : Cormen)
- ◇ StackOverflow (Some high rated and working answers)





Thanks!

