

Analysis of Stock Market Prediction:

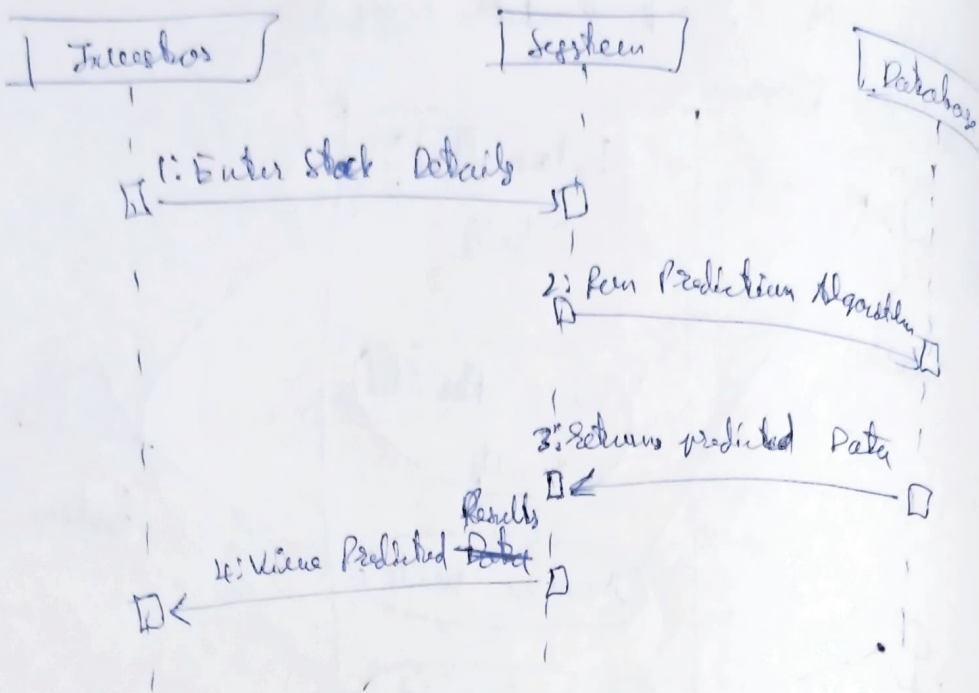
```
graph LR
    Investor((Investor))
    Alain((Alain))
    subgraph System
        UC1(Enter stock details)
        UC2(View predicted results)
        UC3(Analyze trends)
        UC4(Manage stock data sources)
    end
    UC1 --- System
    UC2 --- System
    UC3 --- System
    UC4 --- System
    Investor --- UC1
    Investor --- UC2
    Investor --- UC3
    Alain --- UC4
```

```

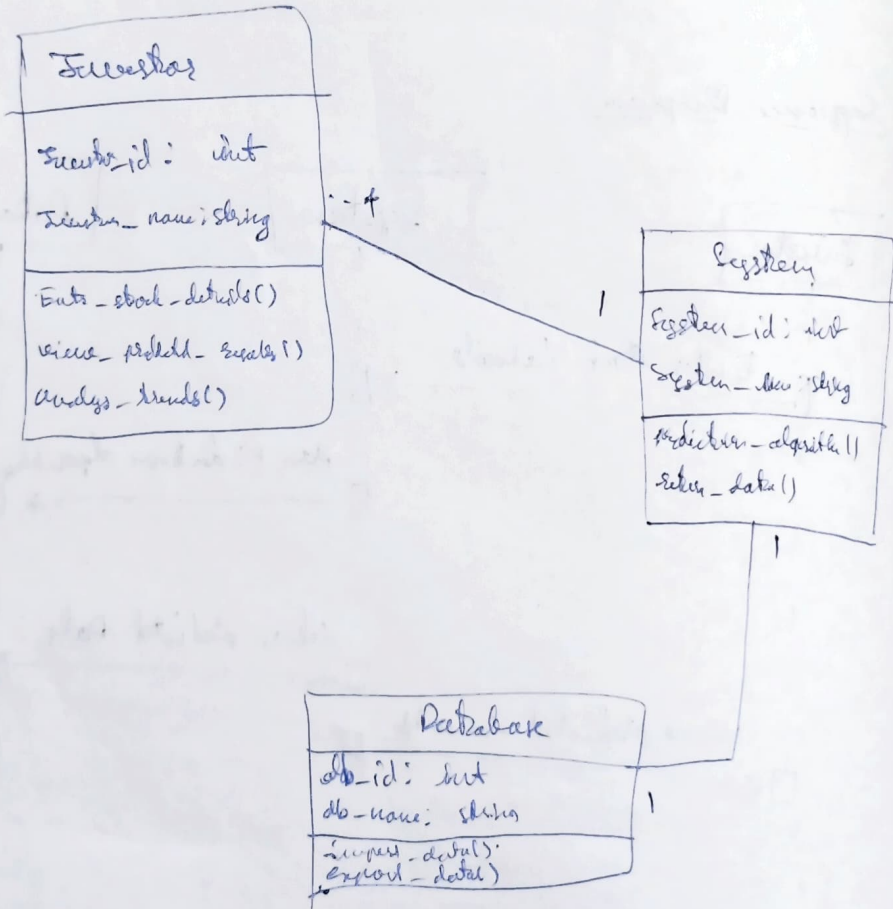
sequenceDiagram
    participant Investor
    participant System
    participant Database

    Investor->>System: Enter stock details
    System->>Database: Run Prediction algorithm
    Database->>System: return predicted Data
    System->>Investor: View predicted results.
  
```

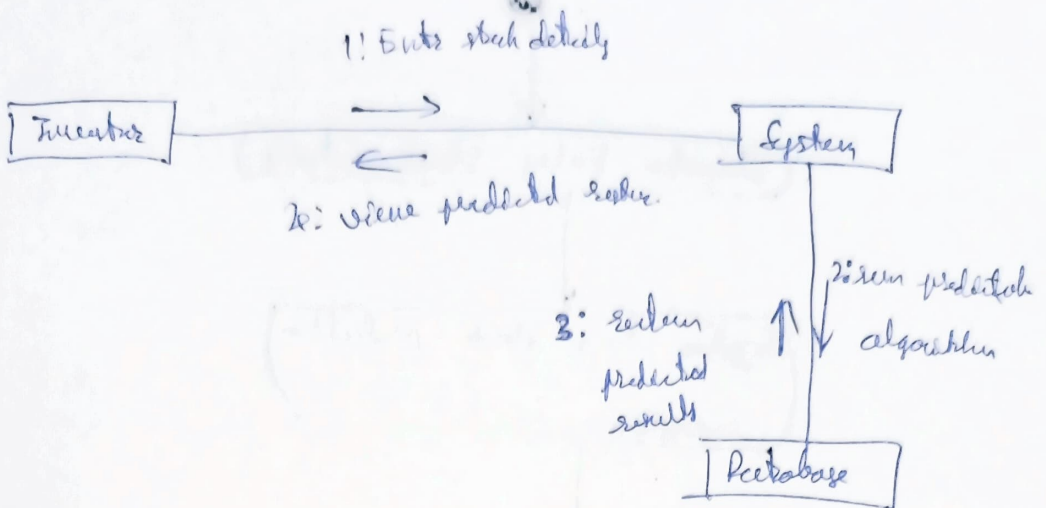
iii) Interaction Diagram



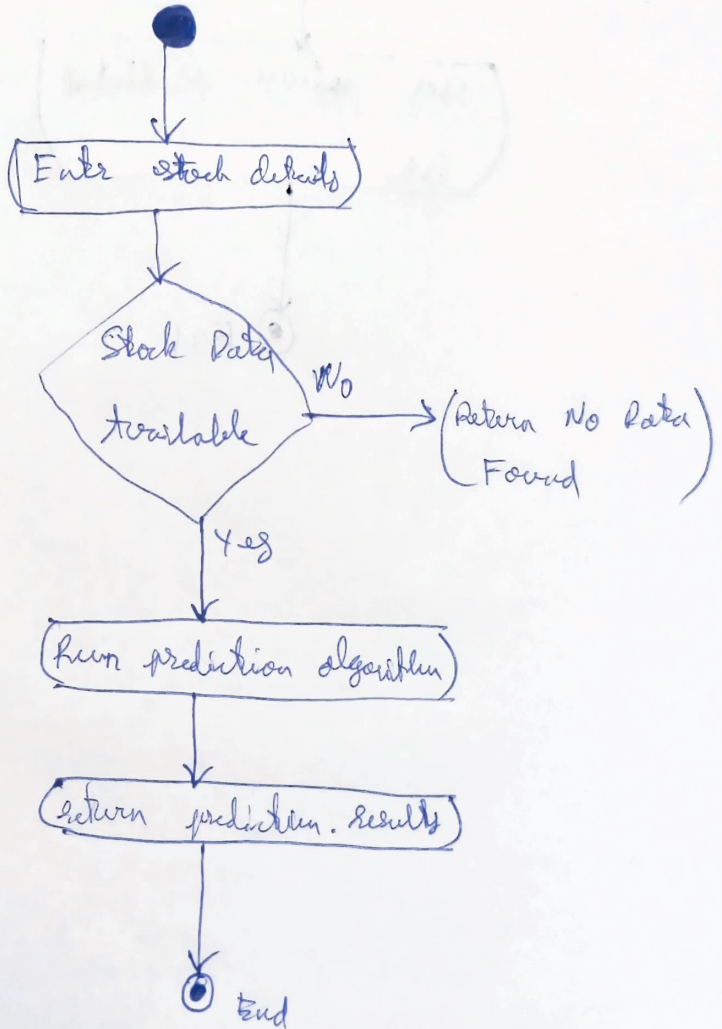
iv) Class Diagram



v) Collaboration Diagram:



vi) State - Chart Diagram:



Activity Diagram

