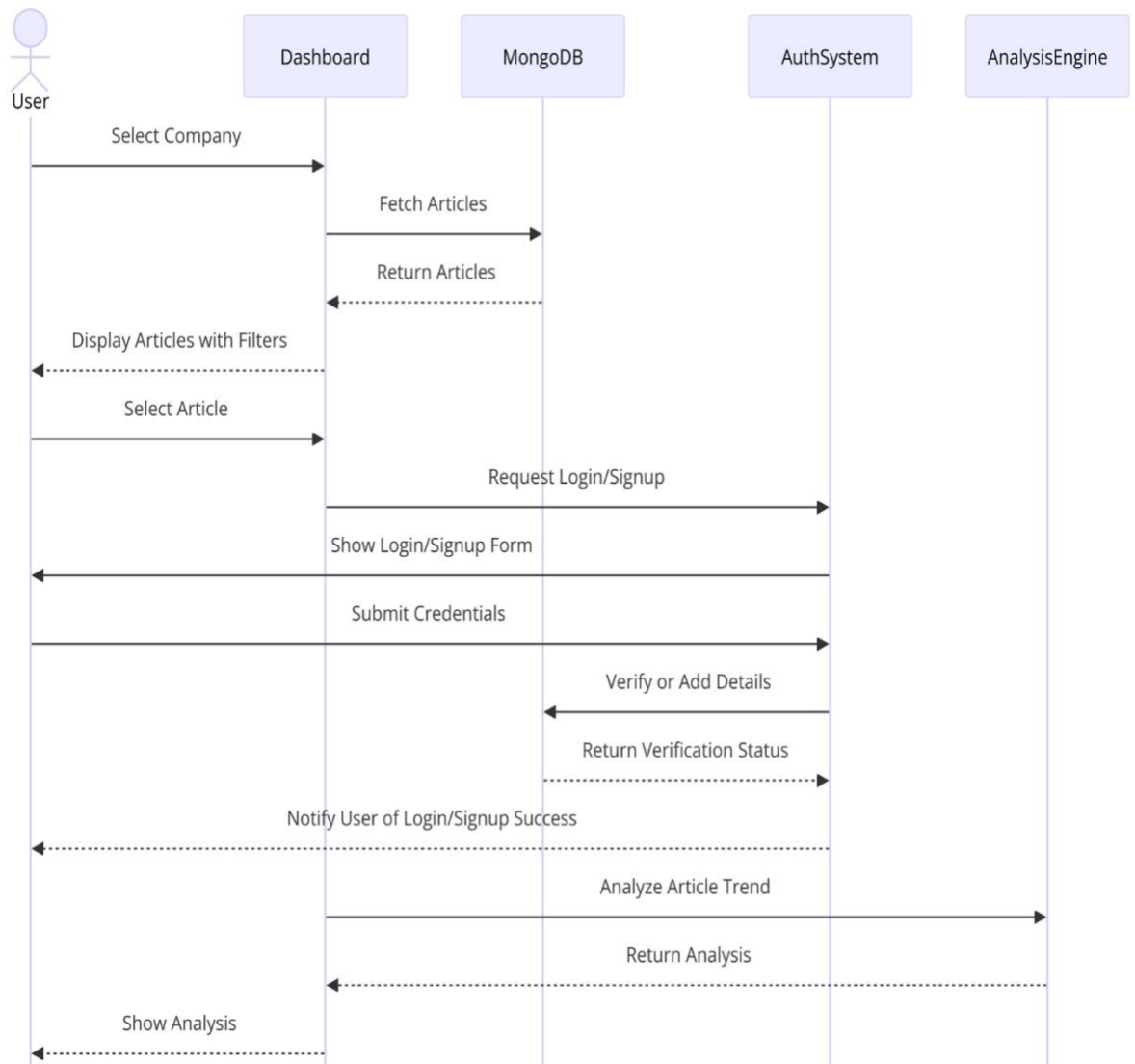## BEHAVIORAL DIAGRAMS:

1. Sequence diagram

2. Activity diagram

```
                        Start
                          │
                          ▼
              Fetch Stock Data & News Data
                          │
                          ▼
              Calculate Sentiment Scores
                          │
                          ▼
               User Selects Company
                          │
                          ▼
                User Selects Article
                          │
                          ▼
              Prompt for Login/Signup
                          │
                          ▼
              ◇ Login/Signup Verified? ◇
                   Yes ╱        ╲ No
                      ▼           ▼
        ◇ Analysis and              Re-prompt for Login/Signup
          Visualization ◇
          ╱          ╲
 Sentiment Analysis   Graph Generation
        ▼                   ▼
 Perform Analysis      Create Graphs for Visualization
 from MongoDB               │
        │                   ▼
        ▼              Display Graphs to User
 Send Analysis to User      │
        ╲                 ╱
         ▼               ▼
        Combine Analysis and Graphs
                 │
                 ▼
        Show Combined Results to User
                 │
                 ▼
                End
```