

Jan, 2017



# Amelio-rater

Detection and Classification of Driving Abnormal Behavior for Automated Ratings and Real-time Monitoring

By:

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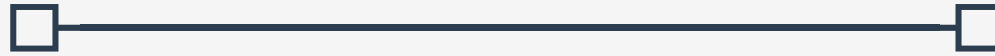
Noha Al-Masry

Passant El-Dorry

Supervised by:

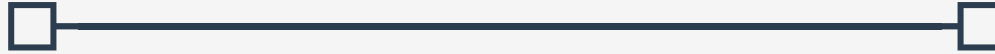
Dr. Ayman Ezzat and Eng. Huda El-Touny

# Objective



Detection and **IMPROVEMENT OF CLASSIFICATION ACCURACY** of Driving Abnormal Behaviors and Road Conditions to **AUTOMATICALLY** Generate **RATINGS** in **REAL-TIME**

# Functional Requirements



ADMIN

- Add/delete/modify/list/search any type of user



BUSINESS  
MONITOR

- Real-time monitoring
- View detailed ratings of any driver



CONSUMER

- Request driver
- View driver's location
- Rate driver



DRIVER

- View his/her rating
- Accept requests
- Recieve warning notifications

# Non-Functional Requirements



Performance



Security

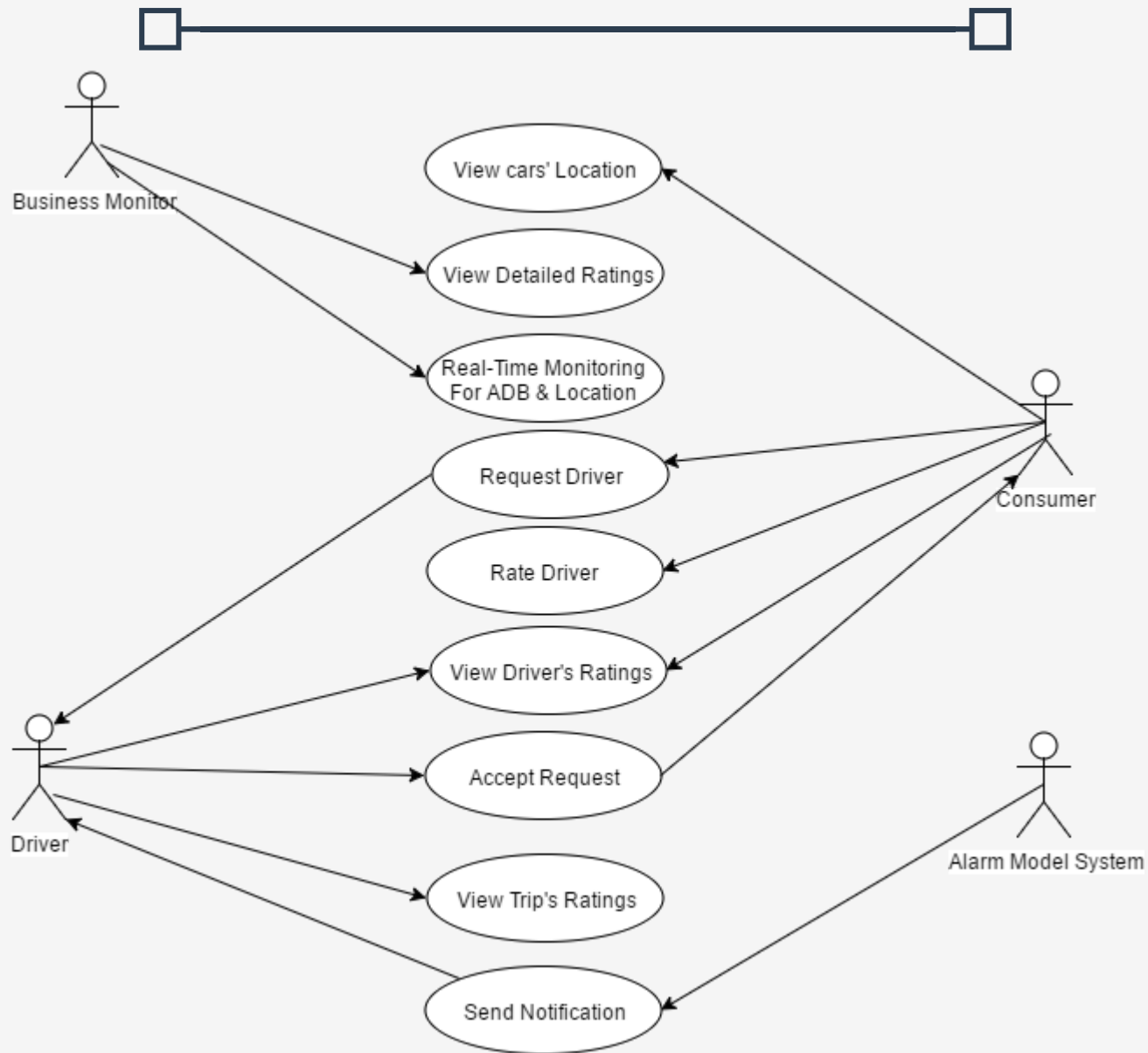


Reliability

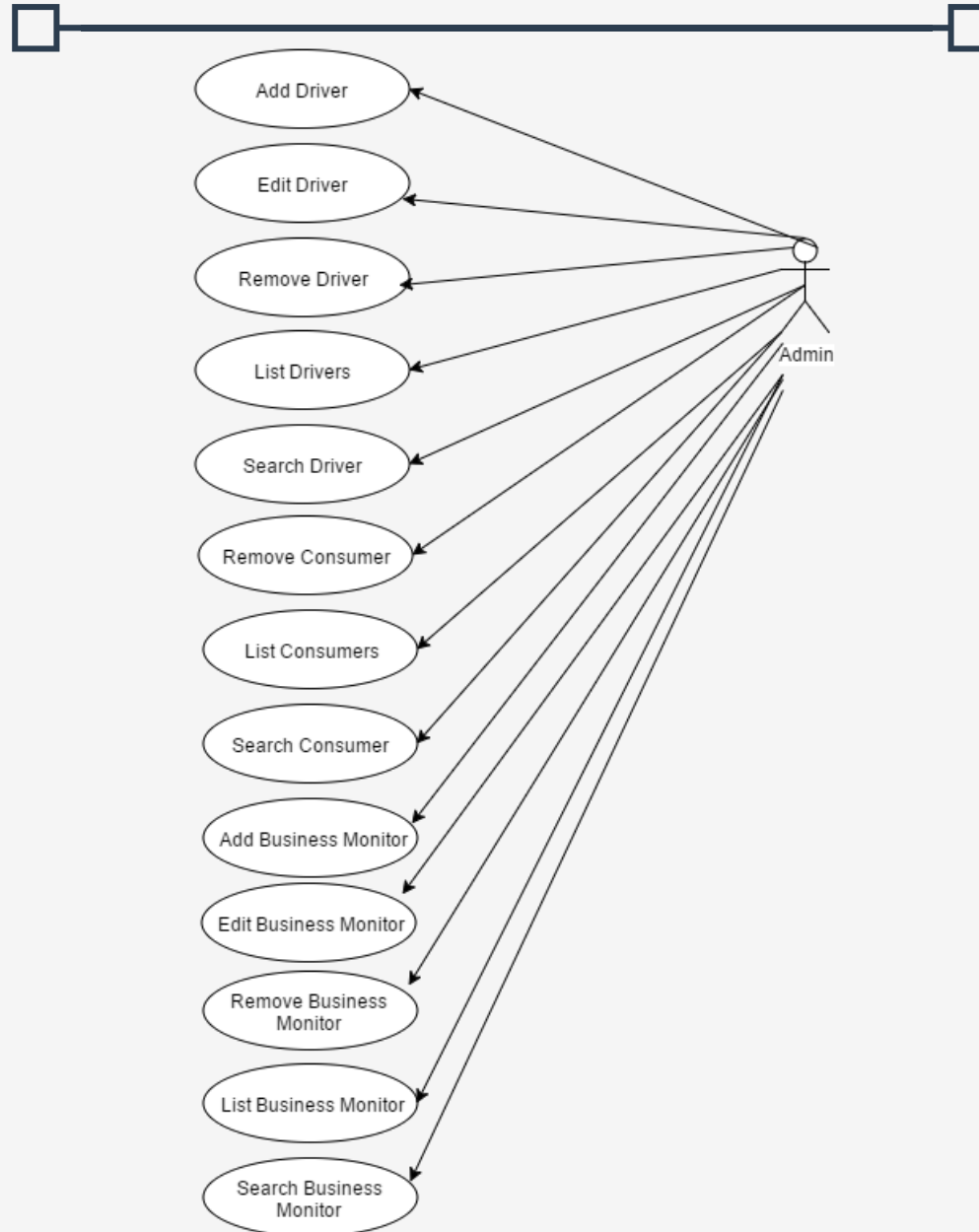


Scalability

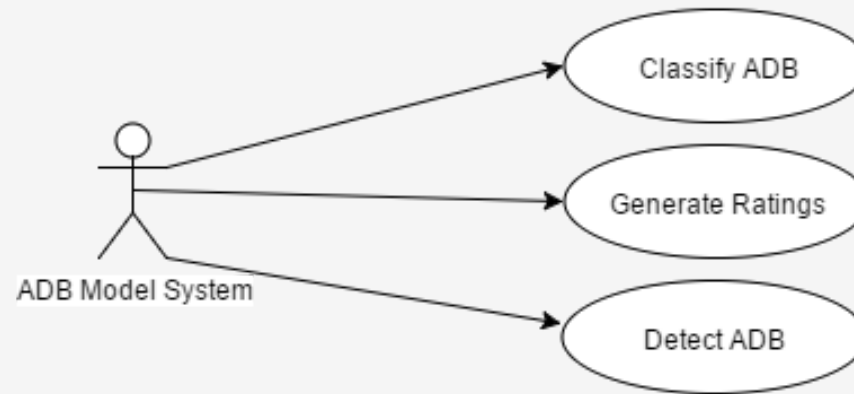
# Use Case 1/3



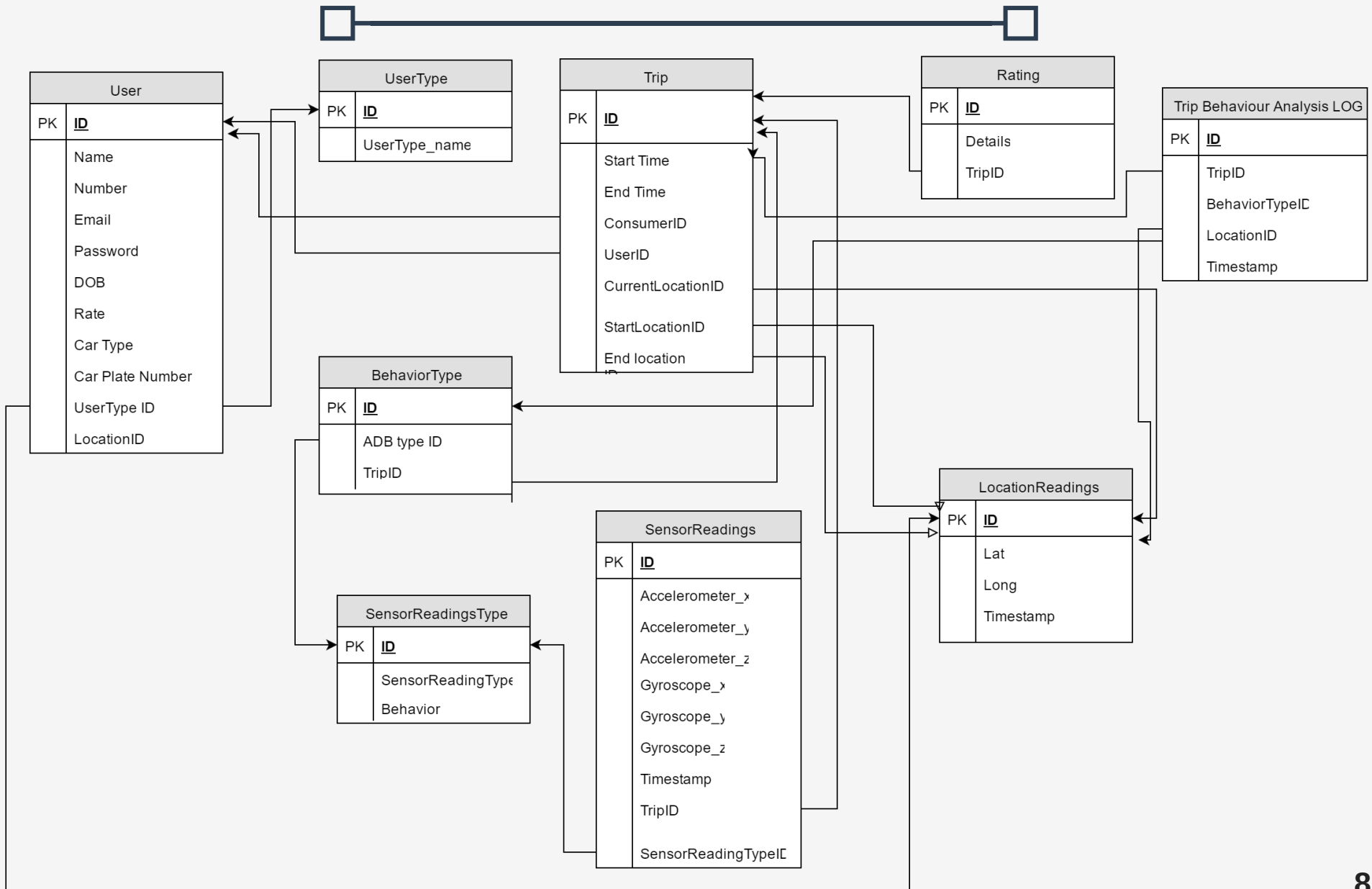
# Use Case 2/3



# Use Case 3/3

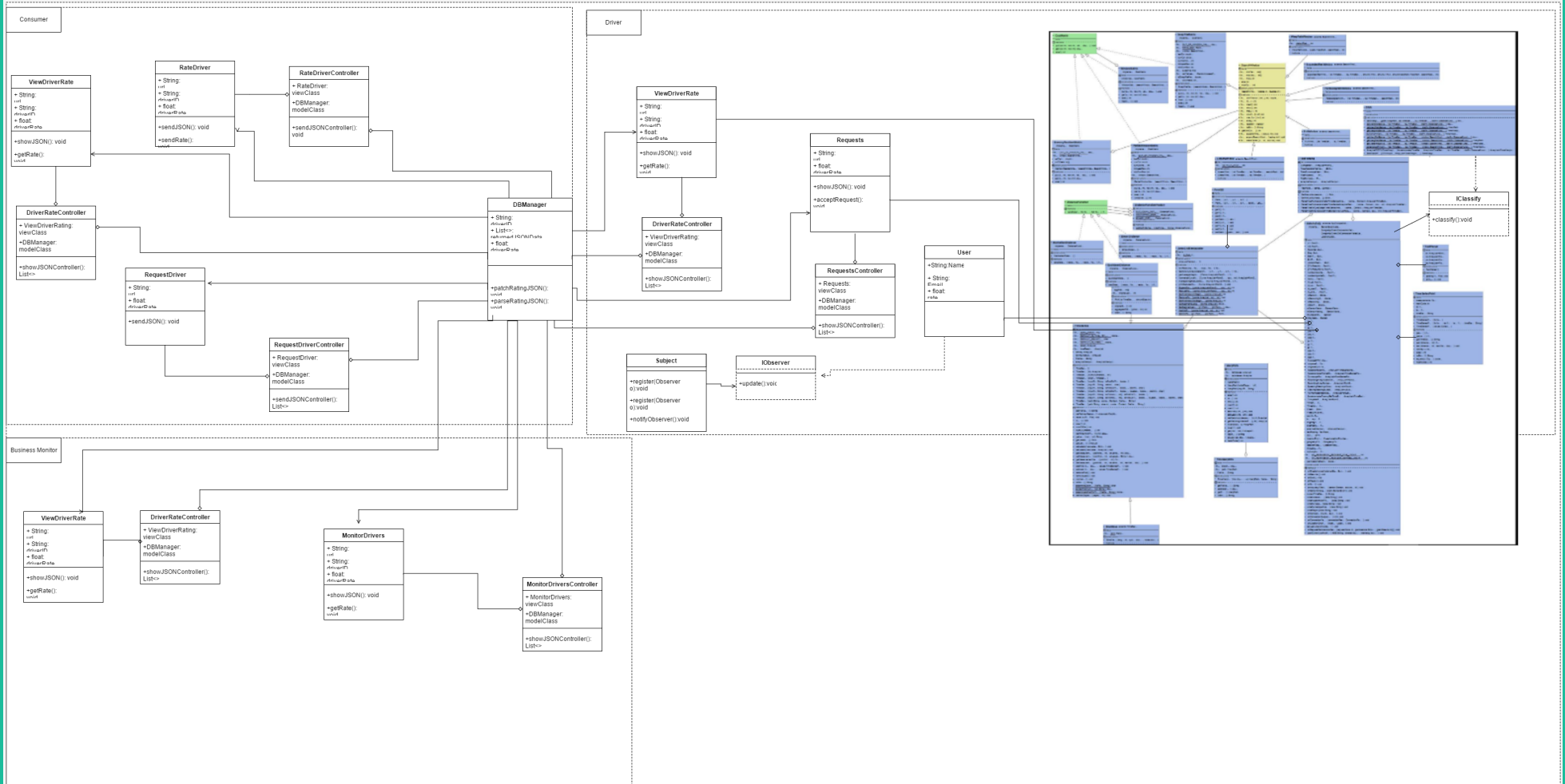


# Database

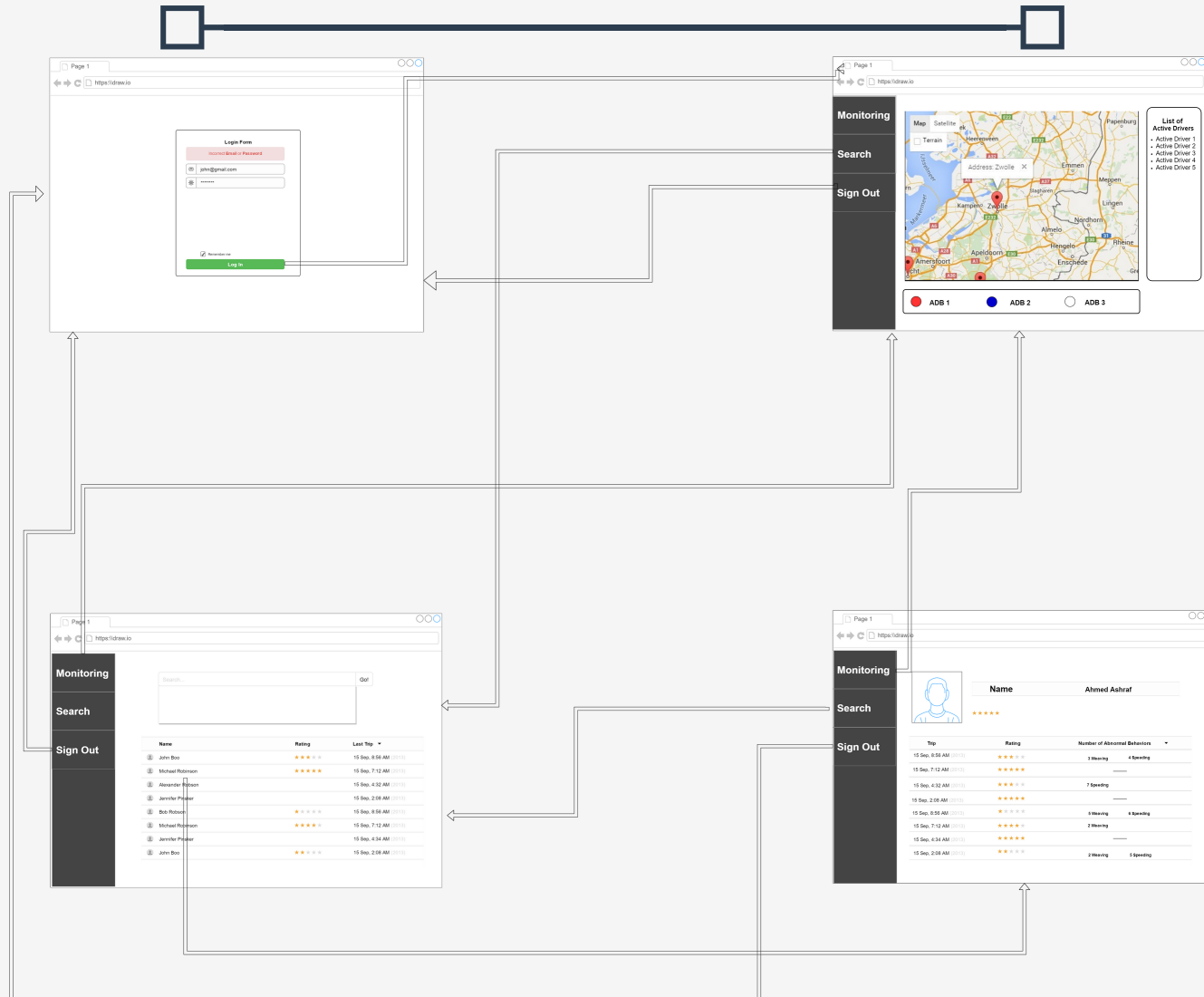




# Class Diagram



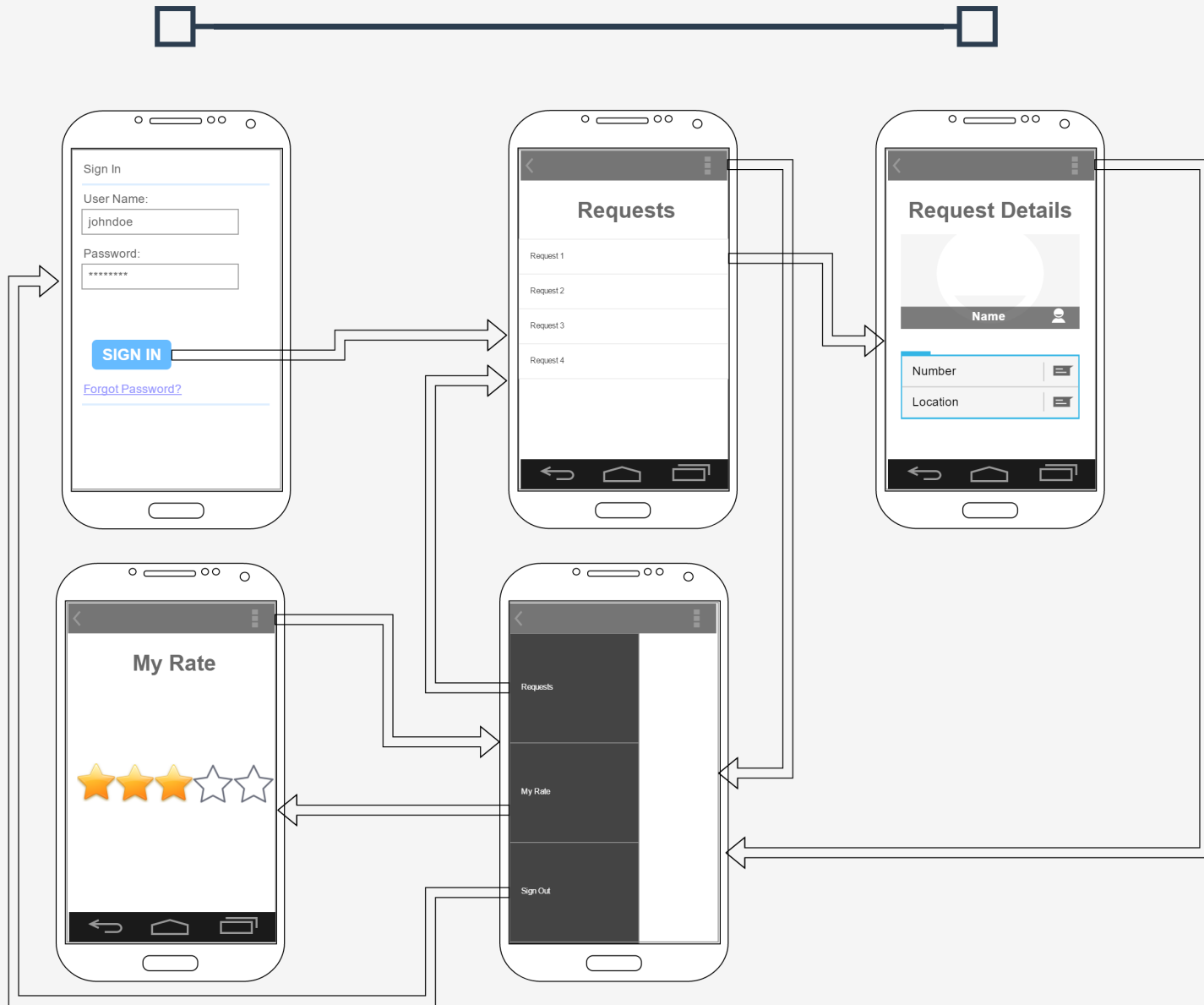
# Business Monitor Wireframe



# Consumer Wireframe



# Driver Wireframe





**DEMO**