

ASAP

Ambulance Service Application

TEAM GUIDE:

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ABSTRACT

AIM:

- **Application Development:** Focus on creating an app.
- **Enhanced Emergency Response:** Improve the efficiency and speed of emergency responses.
- **Timely Notifications:** Provide real-time alerts and updates.
- **Integrated Medical Support:** Incorporate features that offer or connect to medical assistance.
- **Real-time Accident Reporting:** Enable instant reporting and alerting of accidents.
- **Advanced Ambulance Tracking:** Utilize advanced technology to track and manage ambulances efficiently.

Module Description

Admin Module

The Admin module serves as the control center for the entire application.

It allows the administrator to monitor and manage the operations of both the User and Ambulance Driver modules.

Features-

User management:

Admins can add, remove, and update user profiles. They can also manage permissions and roles.

Ambulance Driver Management:

The admin can register new ambulance drivers, verify their credentials, and update their statuses.

Real-Time Monitoring:

Provides a dashboard to monitor active ambulance requests, response times, and overall app performance.-

Notifications:

Sends alerts to users and drivers regarding important updates, such as system maintenance or policy changes.

User Module

The User module is designed for individuals who may need to call for an ambulance in emergencies. It provides essential features to facilitate quick and efficient emergency response.

Features

SOS Button

A prominent feature that allows users to call for an ambulance with a single tap.

Ambulance Driver Database

Access to a directory of registered ambulance drivers, including their ratings and estimated response times.

Virtual Map Integration

Users can view nearby ambulances in real-time and track their approach using GPS technology. *

Emergency Contact

Option to notify pre-selected emergency contacts when an SOS request is made.-

User Profile

Users can maintain personal information, medical history, and preferred hospitals for faster service.

Ambulance Driver Module

The Ambulance Driver module enables drivers to receive emergency requests and navigate to the user's location swiftly. It is crucial for the timely delivery of medical services.

Features

Request Management: Drivers receive notifications of incoming requests with details about the user's location and condition.

Navigation Assistance: Integrated GPS for optimal route navigation to the user's location.

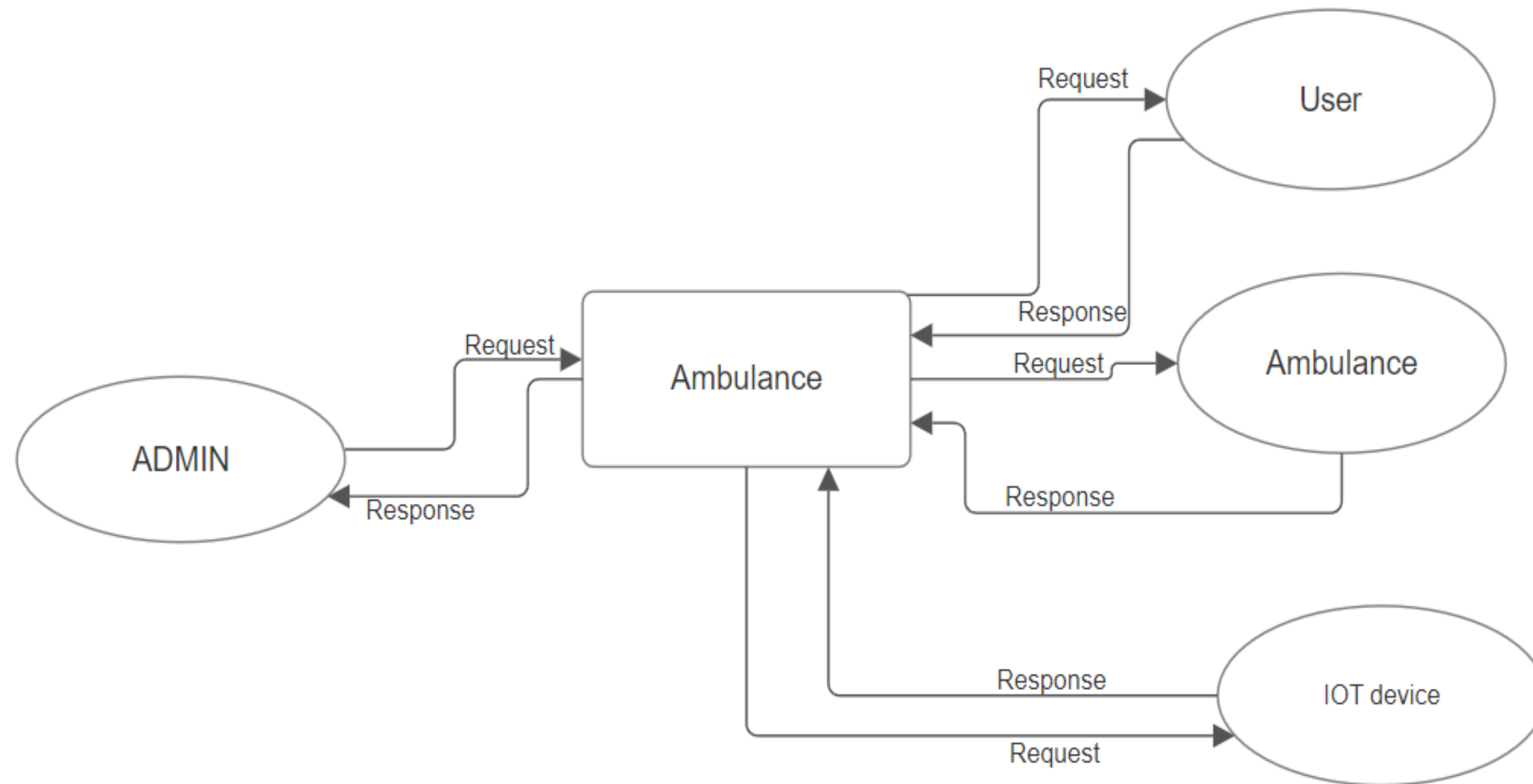
User Information: Access to the user's profile for relevant medical details before arrival.

Status Updates: Drivers can update their status (e.g., en route, arrived) to keep the admin and user informed.

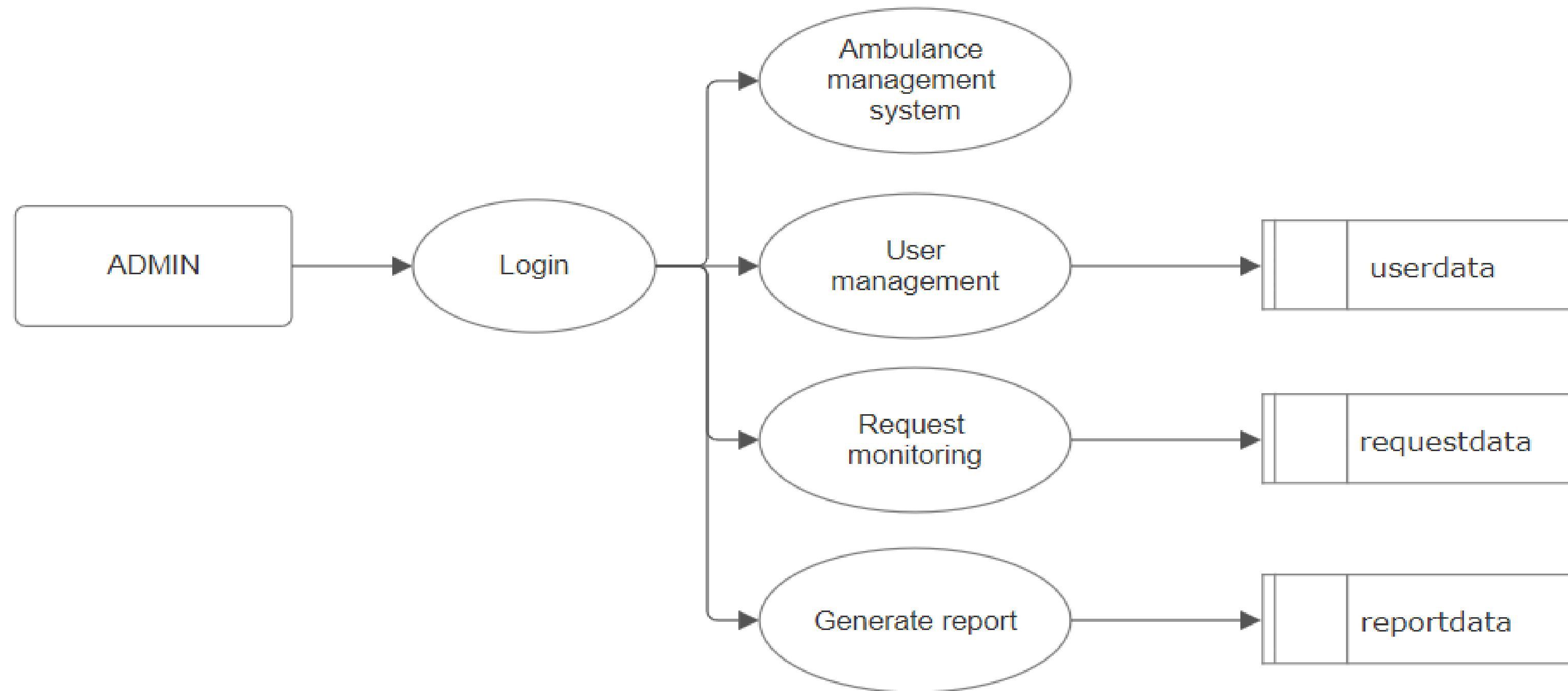
Feedback System: Post-incident feedback mechanism to improve service quality based on user experiences.

DATA FLOW DIAGRAM

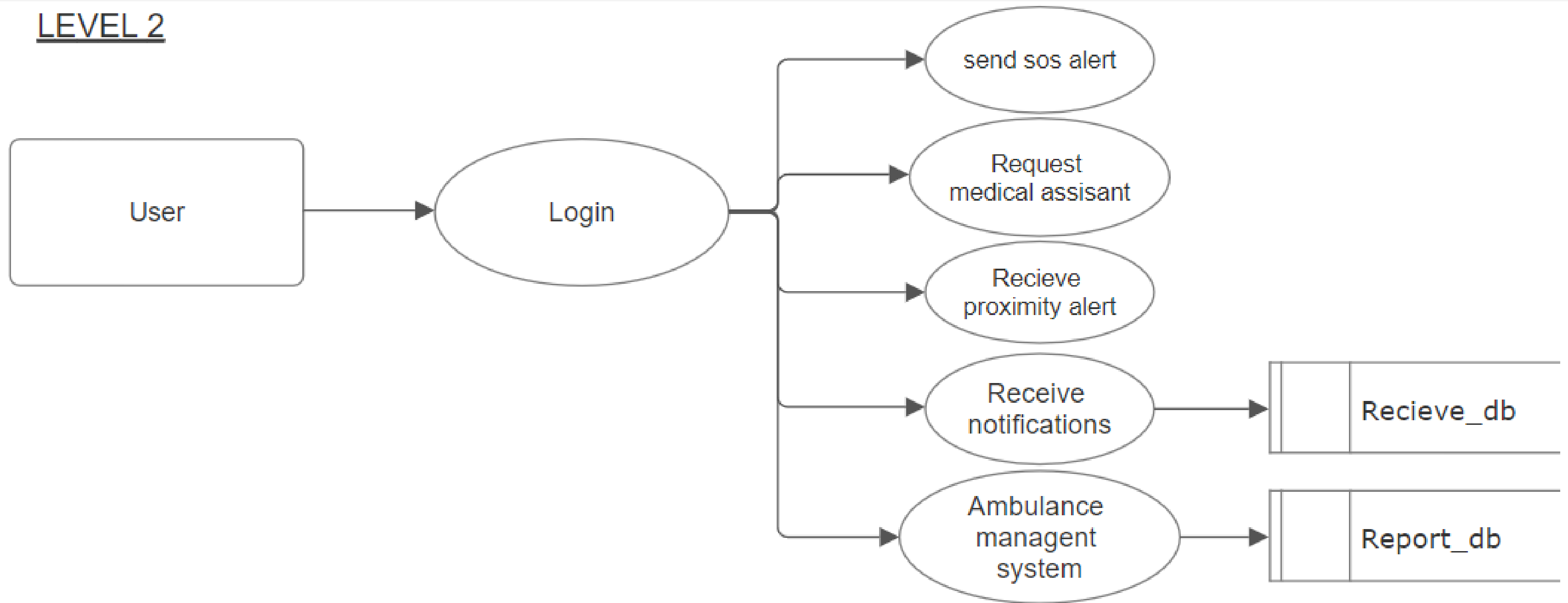
LEVEL 0



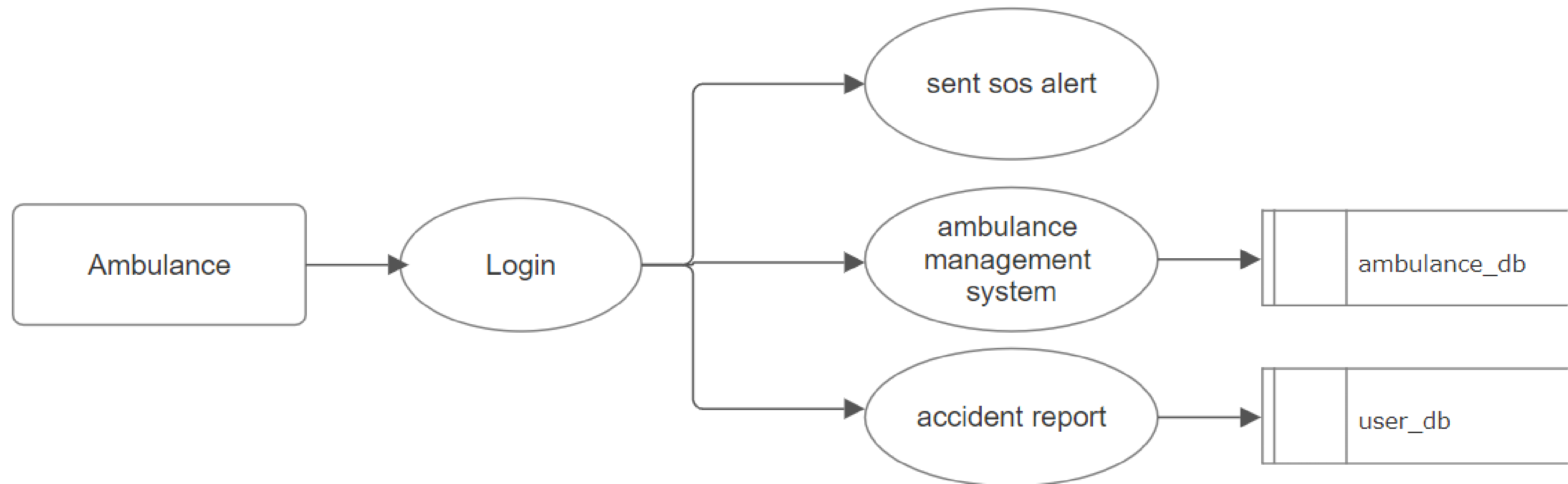
LEVEL 1



LEVEL 2



LEVEL 3



ENTITY RELATIONSHIP DIAGRAM

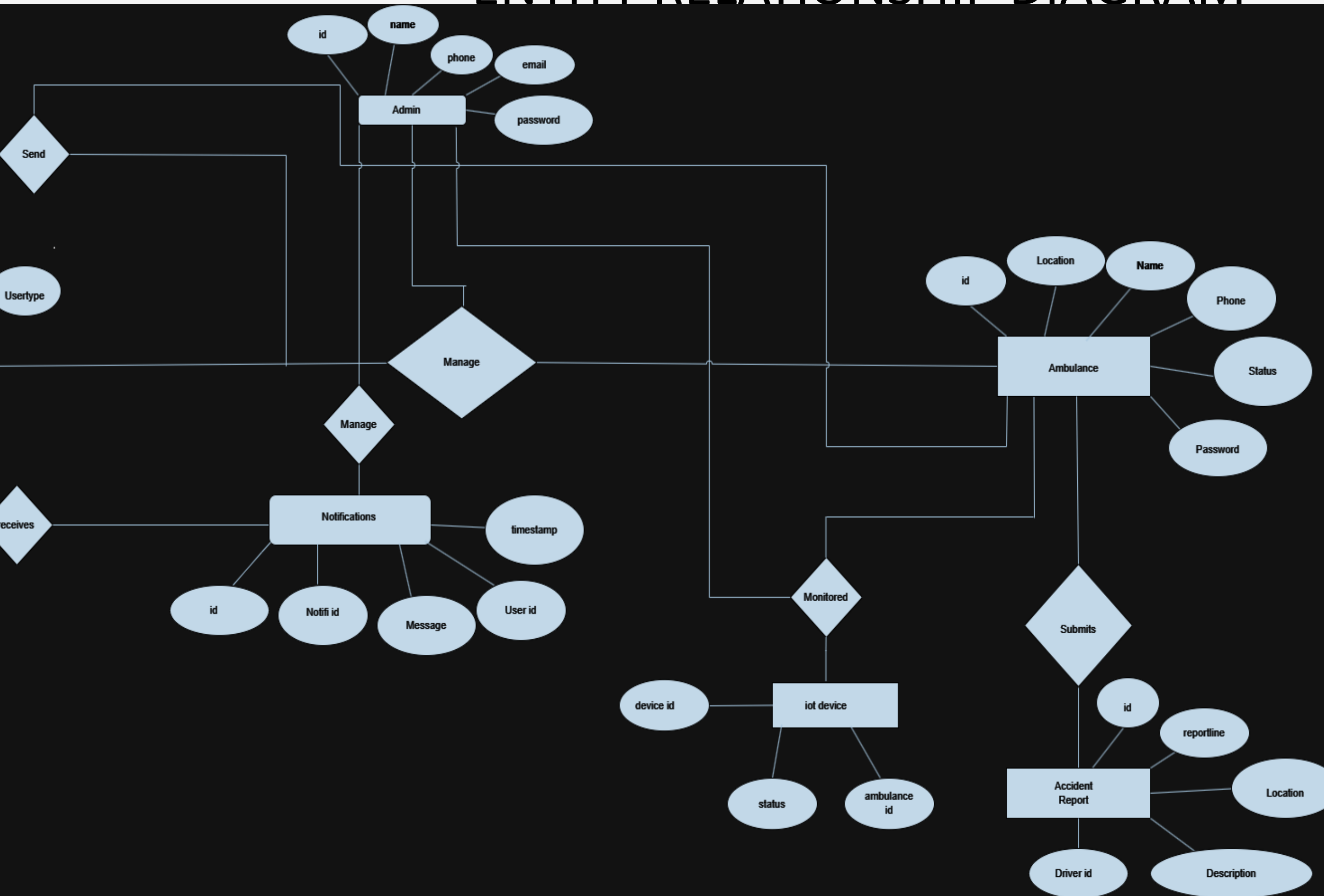


TABLE DESIGN

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id 🔑	integer
name	varchar
email	varchar
password	varchar
created_at	timestamp

users	
id 🔑	integer
name	varchar
email	varchar
age	integer
password	varchar
created_at	timestamp

Driver	
id 🔑	integer
name	varchar
email	varchar
vehiclenumber	varchar
created_at	timestamp