

# ALABAMA LAW ENFORCEMENT REPORTING

Matthew Anderson

***Safety  
Solutions  
Portal***





# Agenda

Scenario of Use

Personae

Hardware/Software

Empathy Map

Lexicon

Interaction and Interface



# Scenario of Use



## **Officer Bill (William Richardson)**

- Officers across the State of Alabama use an online portal for inputting data for crash and other forms.
- After Officer Bill responds to crash scenes, he uses a form to write down the information and then back at his station he inputs the data from the form to an online portal called “Safety Solutions Portal”.
- He mainly interacts with this portal at the end of his shift, but other law enforcement also use the portal 24/7.



## Officer Bill

- From the town of Prattville, AL. Member of 4-H and all-state baseball team (catcher) at Prattville High School
- Served two tours in Army as 31K Military Police before joining the Alabama State Highway Patrol at age 27.
- Officer Bill patrols the highways of Alabama with his working dog partner, a Belgian shepherd named Hobbes.
- Officer Bill enjoys working with the public and likes the different scenarios he responds to, but also likes interacting with the public to make sure people are following safety rules for everyone's safety.

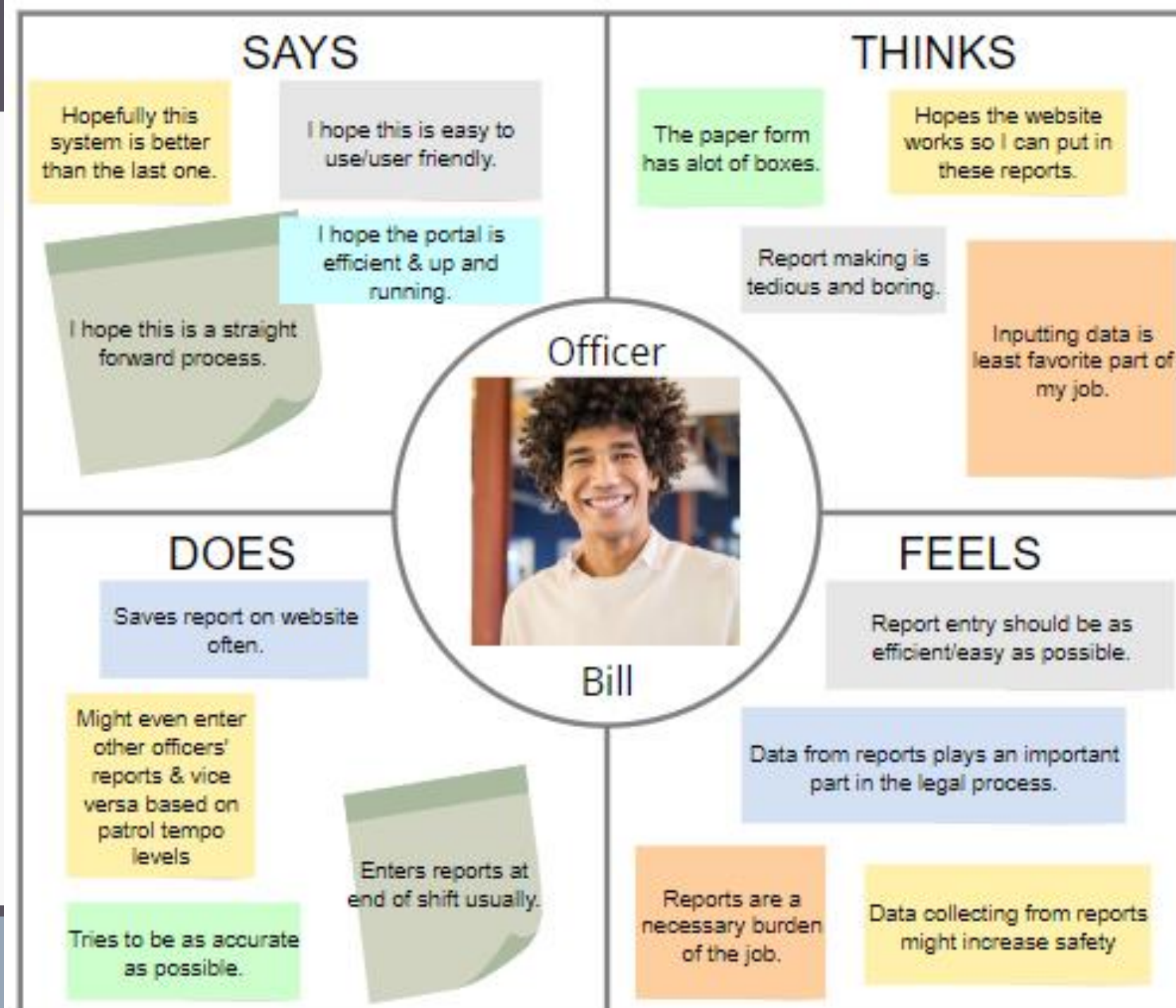


## Confidentiality, Integrity, Availability

- For Hardware, it is recommended the site have a firewall, Host Intrusion Prevention System, along with Access Control List of rules for its router to ensure security of the data (Confidentiality) .
- Its also recommended the website use encryption for its data when passing data to and from the website along with keeping the data encrypted when stored on hard drives to ensure data integrity.
- The portal needs to be up and operating 99.999% of the time. Recommend using server redundancy with multiple servers (1 and 2 backups) along with a RAID array to help the portal be available for use as much as possible.



# Empathy Map





## Words commonly used on crash form

- Accident No.
- Usage
- Hazardous cargo
- Contributing defect
- Driver maneuver
- Pedestrian action
- Damage severity
- Injury type
- Ejection
- GVWR (Gross Vehicle Weight Rating)
- Collision event
- Fatality
- Jackknife

# Interaction and Interface

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***Crash  
Form  
Reporting***

User Login

Password

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Portal***



**Login page for  
Crash Form  
Reporting  
portal**



# Interaction and Interface (cont.)

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DPS Accident No.  Microfilm No.  Local Case No.

Date  Time  County  City  Rural

Address  Intersection

Control Access Hwy Loc.

First Harmful Event  Event Location  Distance to Fixed Object (Ft)

No. of Vehicles  No. of Pedestrians  No. Injured  No. Fatalities

[UNIT 1](#) [UNIT 2](#)

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Left Scene?  COM VEH?

Driver Name  DL Class  Employment

Address  DL Status  Insurance Company

City/State  CDL Status  License Plate

Zip code  Residence less than 25 miles?  State

Phone  Year

DOB  SSN  Owner's Name

Veh. Year  Driver Condition  Address

Make  Sobriety Alcohol  City/State

Model  Sobriety Drugs  Zip code

VIN  Test?

Test Results?

**1<sup>st</sup> screen of  
portal: for  
Officer to enter  
data for Vehicle  
1 (UNIT 1 on  
form).**

# Interaction and Interface (cont.)

**Safety  
Solutions  
Portal**



DPS Accident No.  Microfilm No.  Local Case No.

Date  Time  County  City  Rural

Address  Intersection

Control Access Hwy Loc.

First Harmful Event  Event Location  Distance to Fixed Object (Ft)

No. of Vehicles  No. of Pedestrians  No. Injured  No. Fatalities

[UNIT 1](#) [UNIT 2](#)

**Safety  
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Left Scene?  COM VEH?

Driver Name  DL Class  Employment

Address  DL Status  Insurance Company

City/State  CDL Status  License Plate

Zip code  Residence less than 25 miles?  State

Phone  Year

DOB  SSN  Owner's Name

Veh. Year  Driver Condition  Address

Make  Sobriety Alcohol  City/State

Model  Sobriety Drugs  Zip code

VIN  Test?

Test Results?

**2nd screen of  
portal: for  
Officer to enter  
data for Vehicle  
2 (UNIT 2 on  
form).**

# Interaction and Interface (cont.)

**Safety  
Solutions  
Portal**



DPS Accident No.  Microfilm No.  Local Case No.   
Date  Time  County  City  Rural   
Address  Intersection   
Control Access Hwy Loc.   
First Harmful Event  Event Location  Distance to Fixed Object (Ft)   
No. of Vehicles  No. of Pedestrians  No. Injured  No. Fatalities

Supplemental

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Left Scene?  COM VEH?

Name  Address   
City/State  Zip code   
Taken To  Taken By   
Unit No.   
DOB   
Injury Type   
Age   
Gender   
Ejection?   
First Aid By



3rd screen of  
portal: for  
Officer to enter  
supplemental  
data  
(supplemental  
section of form).

# Interaction and Interface (cont.)

**Safety  
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DPS Accident No.  Microfilm No.  Local Case No.   
Date  Time  County  City  Rural   
Address  Intersection   
Control Access Hwy Loc.   
First Harmful Event  Event Location  Distance to Fixed Object (Ft)   
No. of Vehicles  No. of Pedestrians  No. Injured  No. Fatalities

Supplemental Truck/Bus

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Truck with 6 or more Tires?  Bus?   
GVWR  Hazmat   
Vehicle Configuration  Zip code   
Cargo Body Type  # of Axles   
Motor Carrier Name   
Motor Carrier Address   
Motor Carrier Id Number   
Event Code

# of Vehicles  
Buses   
Trucks   
# of People  
Fatalities   
Immediate Medical Treatment

4th screen of  
portal: for Officer  
to enter optional  
data for buses or  
trucks (hazmat  
or 6 wheels or  
greater  
(bus/truck  
section of form).





# Crash Form Reporting Portal

**My portal includes:**

**Login screen,**

**Form for Officer to enter data  
for UNIT 1 or vehicle 1,**

**Form for Officer to enter data  
for UNIT 2 or vehicle 2,**

**Supplemental section for  
medical,**

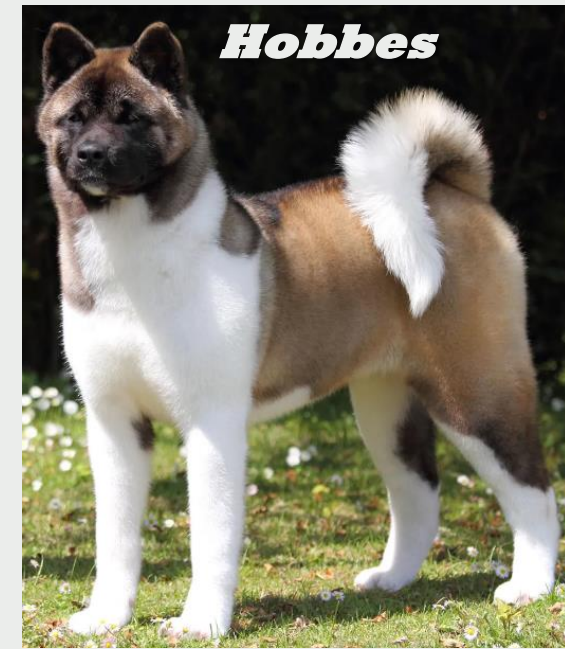
**Bus/Large truck section for bus  
crashes or large trucks/trucks  
with hazmat.**



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**THANK YOU**



By Matthew Anderson

Alabama Law Enforcement Reporting