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.

Personae

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

Lexicon
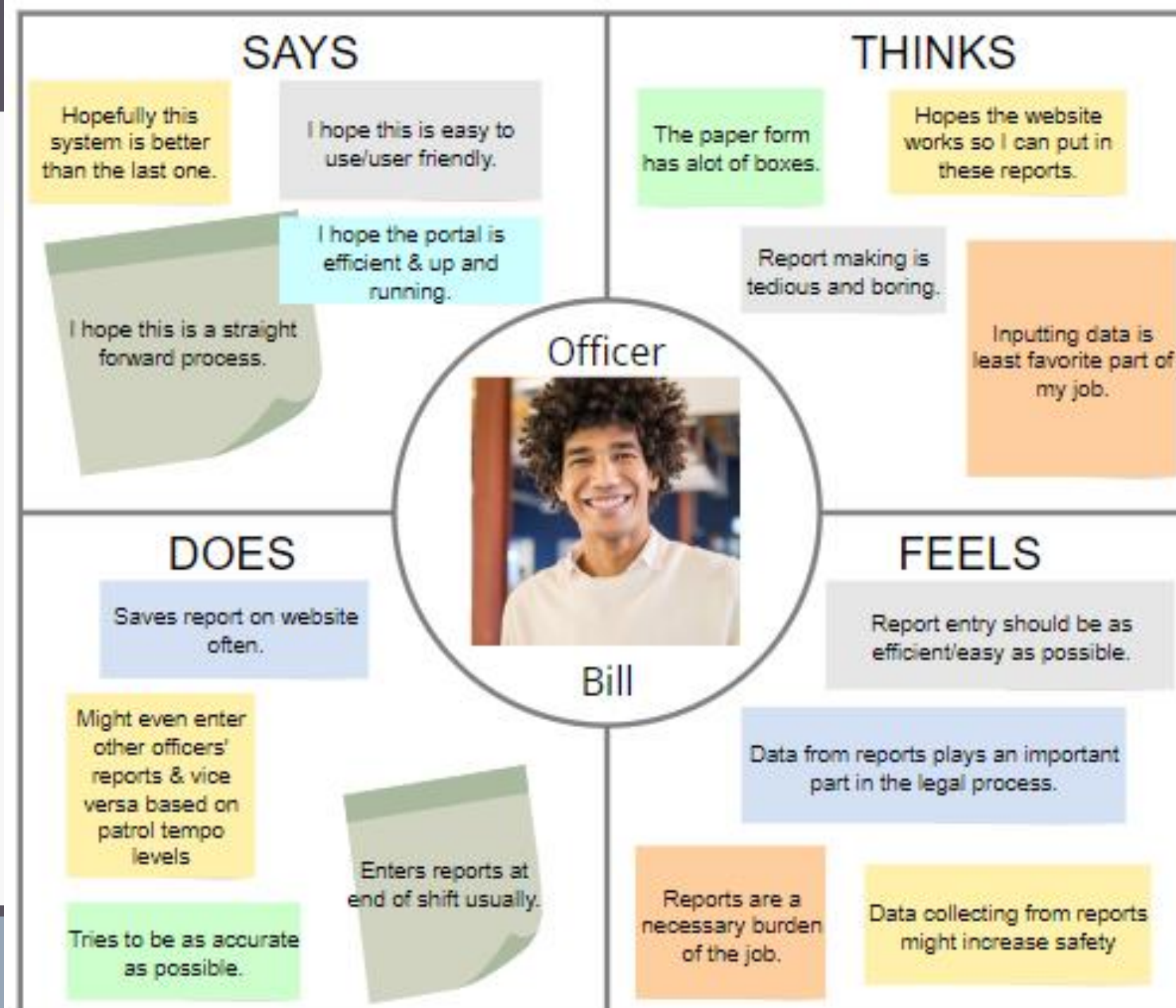
Words commonly used on crash form

- 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

Login page for Crash Form Reporting portal

User Login   BillandHobbes

Password   ***********

Interaction and Interface (cont.)

Safety Solutions Portal

1ˢᵗ screen of portal: for Officer to enter data for Vehicle 1 (UNIT 1 on form).

Interaction and Interface (cont.)

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

Interaction and Interface (cont.)

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

Interaction and Interface (cont.)

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,

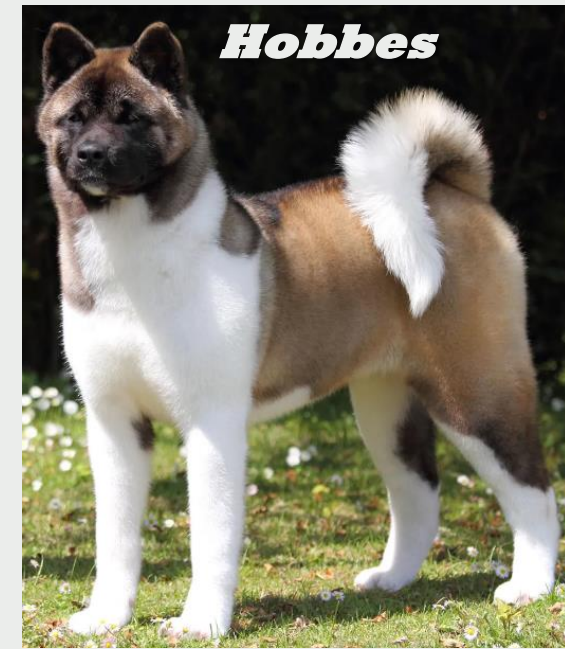Bus/Large truck section for bus crashes or large trucks/trucks with hazmat.

Hobbes

Safety
Solutions
Portal

THANK YOU

By Matthew Anderson