

The background is a gradient from deep red at the top to dark blue at the bottom, speckled with white dots. On the left side, there are several concentric circles and a large circular scale with numbers from 140 to 260. Some circles have arrows indicating a clockwise direction.

DUDE, WHERE'S MY BUS (SCHOOL BUS TRACKING APP)

CRYSTAL HOLT

DESCRIPTION

- As a mother of two school-aged children, I am often frustrated with the lack of communication surrounding my sons' bus schedules. If, for example, one of their buses arrives late, my only notification for such is the actual experience of putting my kids on the bus... AFTER the scheduled pickup time. For my project, I would like to develop an app to help resolve issues relating to tardy school buses.

FEATURES

- This application will allow users to set up personal accounts by registering a username and password. Upon logging in with the correct credentials, the user can track the bus using a map/navigation feature. Users will also have the ability to opt-in to receive text notifications about route/schedule changes; including anticipated late arrival.

PLANNING – USER STORIES

- *As a student, I want to have the ability to track my school bus so that I am on time for pickup/dropoff*
- *As a parent, I want to have the ability to track my school bus so that I am on time for pickup/dropoff*
- *As a school administrator, I want to have the ability to track all school buses so that I can inform impacted families*
- *As a school bus driver, I want to have the ability to communicate known mechanical issues (or otherwise) so that school administrators and families are well informed*

PLANNING – DB AND MODELS (SO FAR)

- Location
- Student number
- Bus number

TECHNOLOGY STACK (SO FAR)

- Java
- HTML
- SQL

WHAT I LEARNED

- So far, I've had to learn how to use Android Studio as I've decided to create a mobile application as opposed to a web application.
- I have also learned how to create log in capability using Java

WHAT'S NEXT?

- I will need to learn how to use/incorporate mapping/navigation
- I am in the process of diving into SMS API called Textbelt