Phase 2 in 3-weeks. Tickets.

Mech:

* Design to part. 2
* Make top. 2
* Floating camera movement. 2
* Mount IR sensor. 2
* Mount ultrasonic sensor. 2
* Mount RFID antenna sensor. 2
* Mount buttons. 3
* Mount voltage meters. 3
* Mount encoders. 2
* Mount LCD screen. 3
* Mount WI-FI antenna. 3
* Mount visibility lights. 3
* Put motors in. 1
* Put belts in. 1
* Make 90 RFID tags. 2

Soft:

* Make a test course.
* Configure PID.
* Configure motor controllers.
* Capture frame with ROS.
* Code turn in ROS.
* Document procedure for testing in Alcan.
* Get localization data from ROS.
* Make a ROS note for interface and logging.
* Communication with motor control´s.

Sensor:

* Flir stable image.
* Flir image processing to capture heat data.
* Decide what thermal data to store.
* How to store thermal history.
* Synchronize time/localization data with thermal data.
* Finish tag encoding-decoding software.
* Create SQL database.
* Document how the database/tag is formatted.
* Start technical user manual for sensors.
* Test ultrasonic for collision avoidance on car.
* Buy shield glass for the Flit camera.
* Figure how to turn on Flir camera automatically.

Electrical:

* Powel FLir.
* Install video grabber and route it´s wires.
* Make and install circuit rack.
* Put in new motor controllers.
* Decide on buttons/ Function for user interface.
* Circuit rack for bottom layer.
* Install battery chargers.
* Technical documentation for electrical stuff.
* Get I2C communication up and running.
* Find WI-FI antenna.
* Get amplifier for fit-PC.