

10
—
10

good job.

University of Regina

CS 455 – Mobile Computing
On the Road: Storyboard, key tasks & interaction description

Michael Dickenson
Joel Rich
Santiago Félix Cárdenas

Dr. Orland Hoeber
February 16, 2017

Key Tasks

1. Start/Stop Trip
2. Add additional info to a trip
 - a. Trip Name
 - b. Odometer reading
 - c. Notes - Any comments or observations related to the vehicle that will be used for the trip or about the trip.
3. Create/Edit a vehicle profile
 - a. Required fields
 - i. Make
 - ii. Model
 - iii. Year
 - iv. Trim
 - b. Optional fields
 - i. Photo
 - ii. Name
 - iii. Odometer
 - iv. Plate number
 - v. VIN
 - vi. Insurance number
 - vii. Notes
4. View/Edit/Delete a log entry
 - a. Edit options
 - i. Name of trip
 - ii. Vehicle used
 - iii. Personal/work
 - iv. Odometer Reading
5. Compare analytics

Interaction Description

1. Start/Stop Trip

On the dashboard screen the user can press the “Start” button to start recording a trip, when the “Start” button is pressed it will change over to a “Stop” button. Pressing the “Stop” button will stop recording the trip, save it to the logs, and take the user to the log entry.

2. Add additional info to a trip

On the dashboard screen the user can press the “Additional Info” button to open up the edit screen allowing them to enter trip information before starting the trip. When completed the user can either press “Save” or “Cancel”, save will save the trip information and take the user back to the

Consider whether the user might prefer to do this after, rather than before.

dashboard screen, cancel will discard the trip info and take the user back to the dashboard screen.

3. Create/Edit a vehicle profile

On the garage screen the user can press the “+” button to create a new vehicle entry. The user can select the Make, Model, Year and Trim of the vehicle from an automatically populated list, as well as manually add additional information by pressing the “Additional Information” button. The user can also press the “Edit” button and then select the desired vehicle to edit its information. The interface for creating a new vehicle profile and editing one will have the same fields, however one view will display blank fields and the other one will contain the pre-existing information.

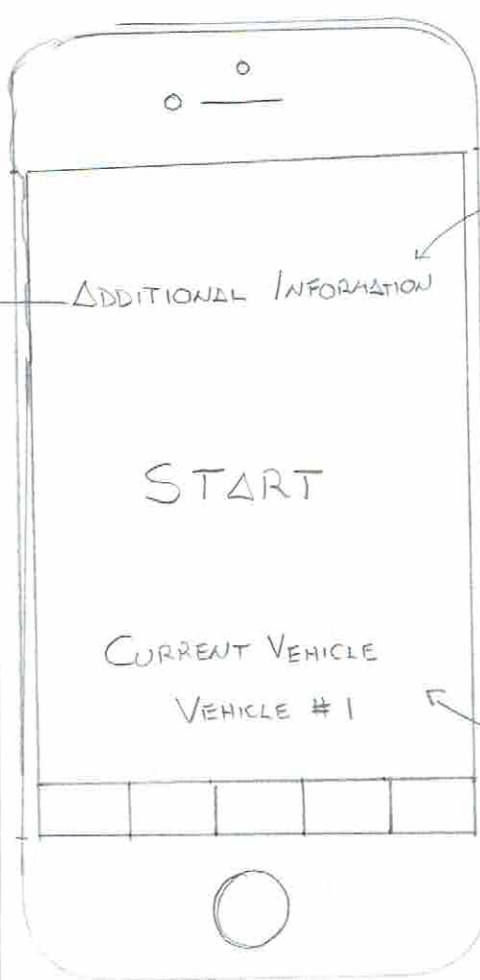
4. View/Edit a log entry

While on the logs screen, if the user taps a log it will take them to the log view screen and display the information and metrics for the log entry. Once within a log the user can tap the “Edit” button, which will allow the user to update some of the trip’s information. When the user is done editing the log they can then press either “Save” or “Cancel” to keep or discard the updates.

5. Compare analytics

In the analytics screen the user can select the “Compare” option, which will open up a list of the other log entries. When the user selects another log, the app will overlay the two entry’s graphs and compare each other’s metrics and performance.

DASHBOARD (HOME)



NEW VIEW,
SLIDE IN FROM
BOTTOM.

SET UNITS IN
VEHICLES PROFILE

TAP START. START RECORDING,
FADE TOP/BOTTOM BUTTONS AND
DISPLAY NEW INFO.

WHEN USERS TAP STOP,
TAKE THEM TO LOG SCREEN
OR TRIP LOG INFO.

SLIDE IN
FROM BOTTOM.

COVER HALF THE
SCREEN OR LESS.
DISPLAY LIST OF
ALL VEHICLES SAVED.

DYNAMICALLY
UPDATE CHARTS/
GRAPHS

3 DIFFERENT GRAPHS

SWIPE LEFT/RIGHT TO DISPLAY
THEM.

- FUEL EFFICIENCY
- GAS CONSUMPTION (BAR)
- EFFICIENCY VS TIME (LINE)

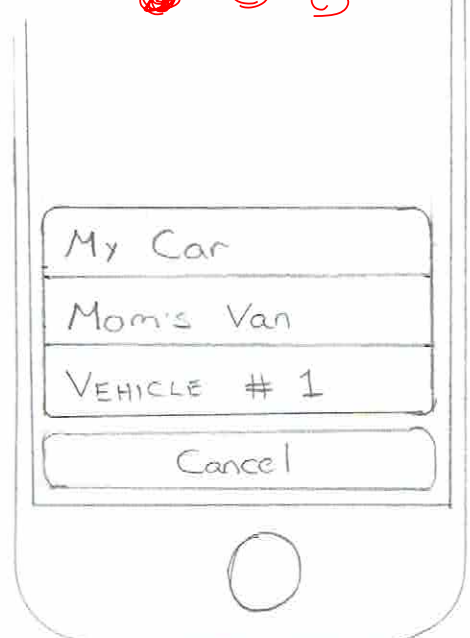
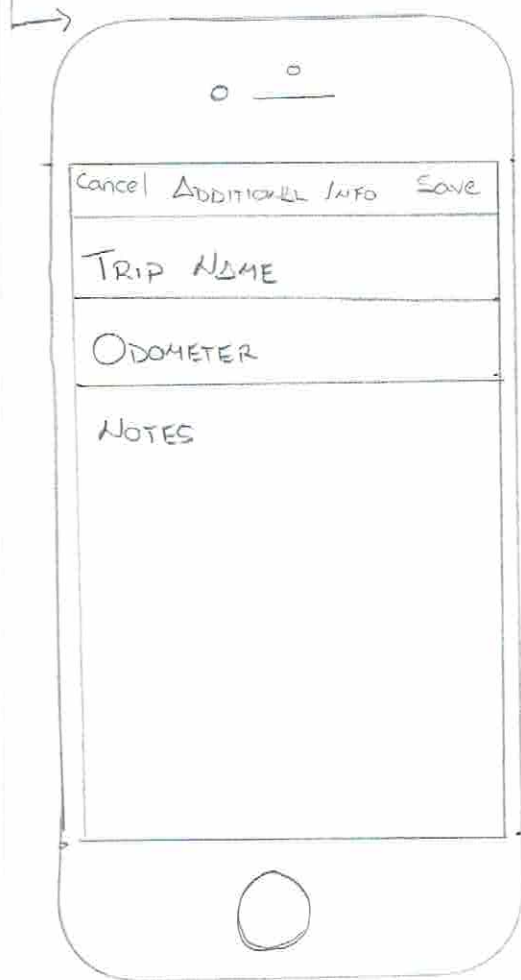
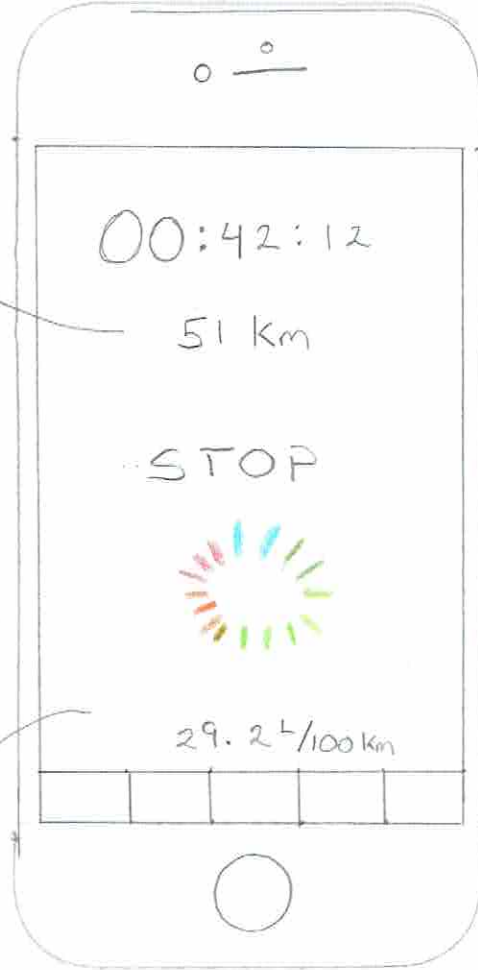
visual indicator of these options:



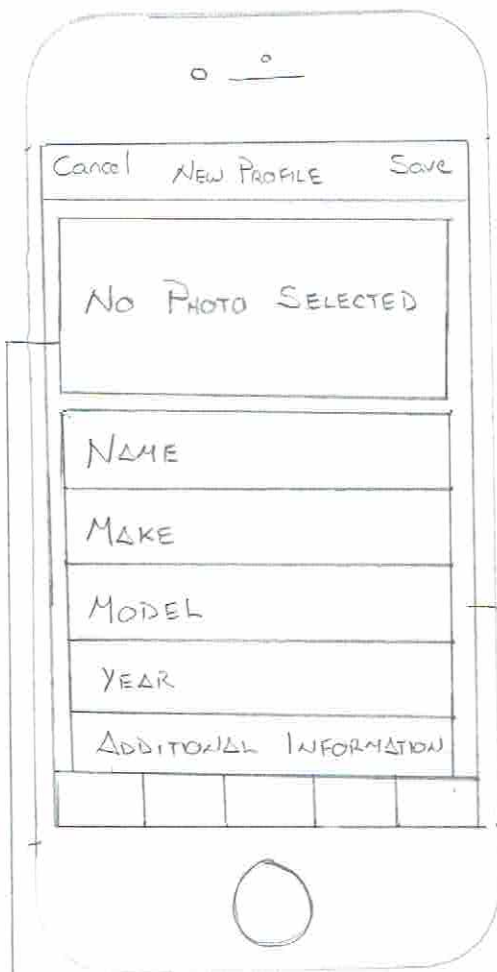
VERY SIMILAR TO
ANALYTICS
GRAPHS

↓
NOT SO DETAILED

→ NEW VIEW.
VERTICAL SLIDE IN



GARAGE / VEHICLE PROFILE



Cancel New Profile Save

NO PHOTO SELECTED

NAME

MAKE

MODEL

YEAR

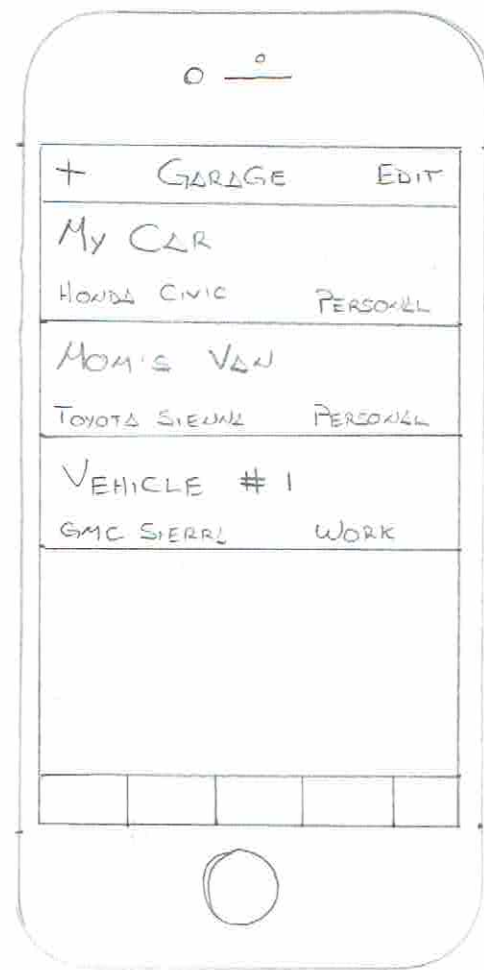
ADDITIONAL INFORMATION

○

TAP ADD BUTTON

← TAP EDIT. ALLOWS TO SELECT A VEHICLE FROM THE LIST
 ↳ DISPLAY SAME LAYOUT BUT FIELDS WILL HAVE INFO.

ONLY FIRST 4 TO 5 FIELDS WILL BE REQUIRED. ALL THE FIELDS AVAILABLE WHEN TAPPING ADDITIONAL INFORMATION ARE OPTIONAL.



+ GARAGE EDIT

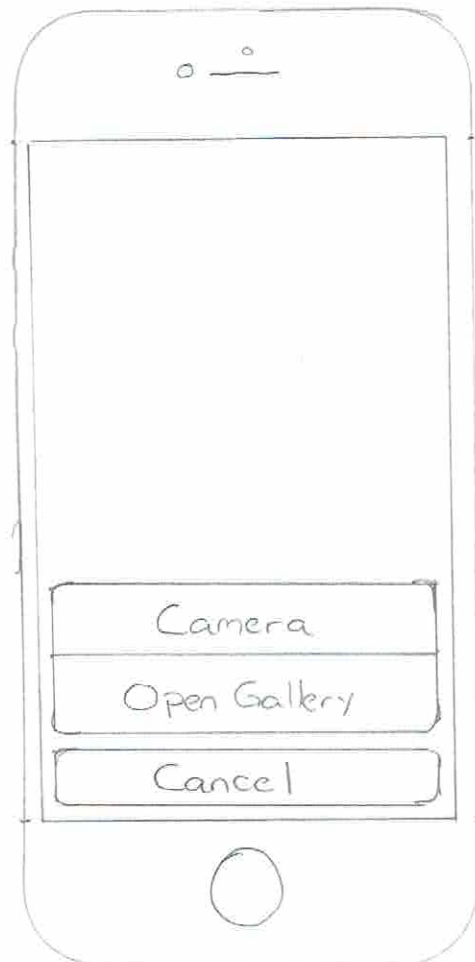
My CAR
HONDA CIVIC PERSONAL

MOM'S VAN
TOYOTA SIENNA PERSONAL

VEHICLE #1
GMC SIERRA WORK

○

TAP BOX FOR PHOTO



Camera

Open Gallery

Cancel

○



Cancel Additional Info Save

ODOMETER

PLATE

VIN

INSURANCE #

NOTES

○

SELECT VEHICLE FROM GARAGE. TAKES USER TO SELECTED VEHICLES LOGS.

→ NEW VIEW
 VERTICAL SLIDE IN

LOGS / MAPS

0 — 0

FILTER LOGS Q

SCHOOL TO WORK	My Car	50 km
JAN 19, 2017		31 min
GROCERIES	Home Van	10 km
JAN 17, 2017		15 min

TRIP # 1

CAR NAME	DISTANCE
DATE	DURATION
DATE	
EFFICIENCY	
VEHICLE	
CANCEL	

0

SEARCH

SELECT A TRIP TO
DISPLAY DETAILED
INFORMATION.

EFFICIENCY.

or is it a
sort?

→ **FILTER** LOGS BY

- VEHICLE NAME
- DATE
- EFFICIENCY

0 — 0

BACK GROCERIES EDIT



GROCERIES
JANUARY 17TH, 2017

Home's Van	PERSONAL
56,302 km	56,312 km
1:30 PM	1:45 PM
15 min	10 km

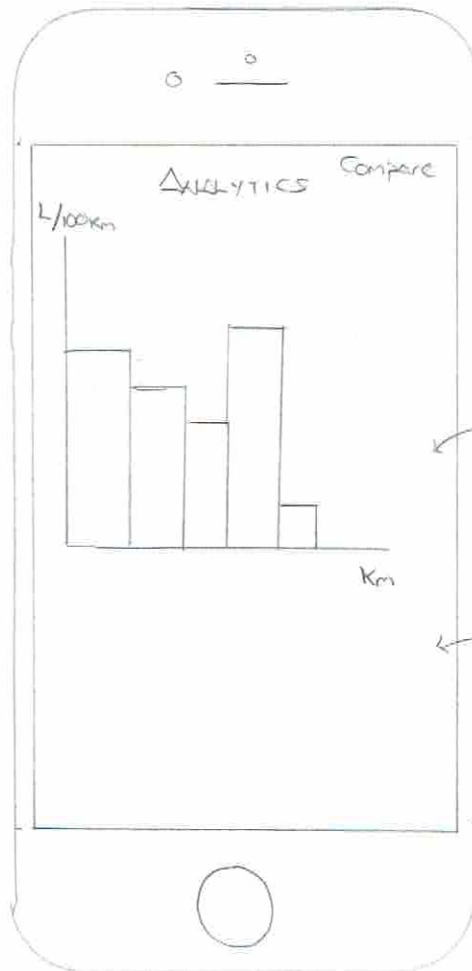
0

IF USERS TAP
SEARCH, TOP
BAR CHANGES

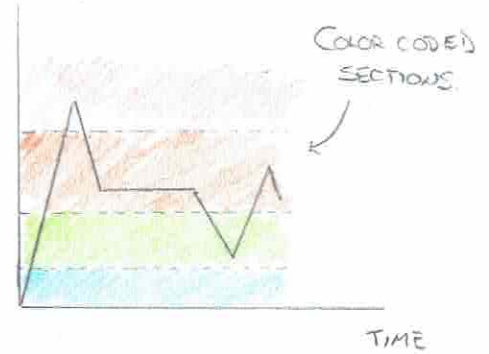
0 — 0

Q Search Cancel

ANALYTICS



EFFICIENCY



TAKE TOTAL DISTANCE AND
DIVIDE INTO 5 OR 10 BARS.

SCROLL TO SHOW OTHER GRAPHS.

 MAP	 ANALYTICS	 DASHBOARD	 GALGE	 LOG
---	---	---	---	--