

AUTOVERSE

DRIVE CONNECTED, DRIVE SAFE

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APP PURPOSE

SAFE DRIVING

Application that allow to safely and quickly travel by car. By usage of complex navigating algorithms and convenient reporting system we would like to make drivers' life easier.

VARIETY OF FUNCTIONS

- Great navigation offering alternative paths in real time, adapting to conditions on the roads
- Detailed path information making sure that users make the most educated decision possible
- Community-driven feature - speed trap and patrol alerts, fuel price sharing
- Data accuracy - our solution uses the most accurate and recent data for navigation possible
- Customization - Users able to personalize their experience, e.g. by focusing more on time or fuel efficiency when navigating



TARGET USERS EXAMPLES



Everyday driver

“I drive 50 km everyday to get to my work. I’m looking for an app that would optimize my everyday drive.”

- Needs the quickest way to get from Wejherowo to Gdańsk and back
- Wants to spend as little time in the car as possible
- Wants to avoid traffic jam
- Wants to know exactly how long he will drive
- Wants to save money on fuel



Truck driver

“I’m looking for an app that would make my life as a truck driver easier.”

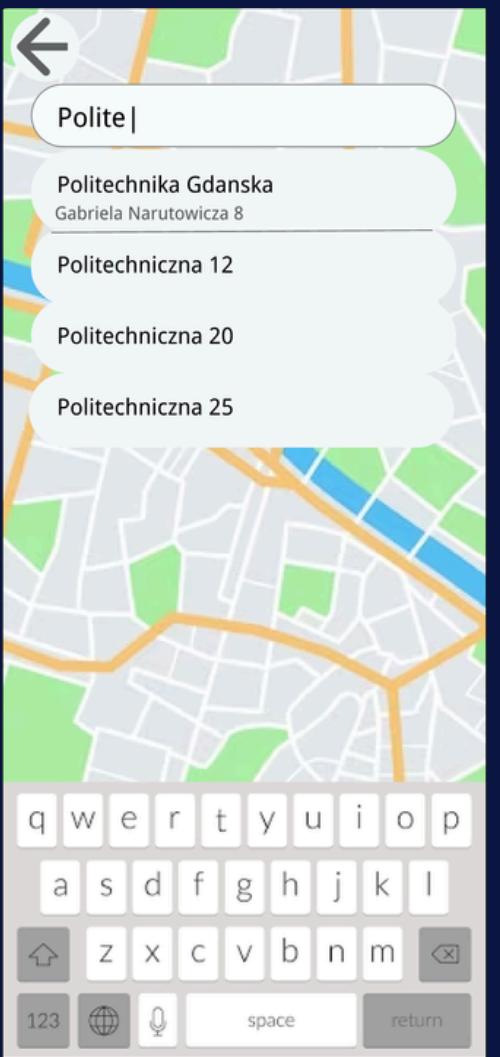
- Wants the quickest path to destination
- Wants to get a path suitable to the truck he is driving
- Wants to know the cheapest gas stations on the way
- Wants to know locations of truck stands on the way

KEY FUNCTIONALITIES



FUNCTIONALITY #1

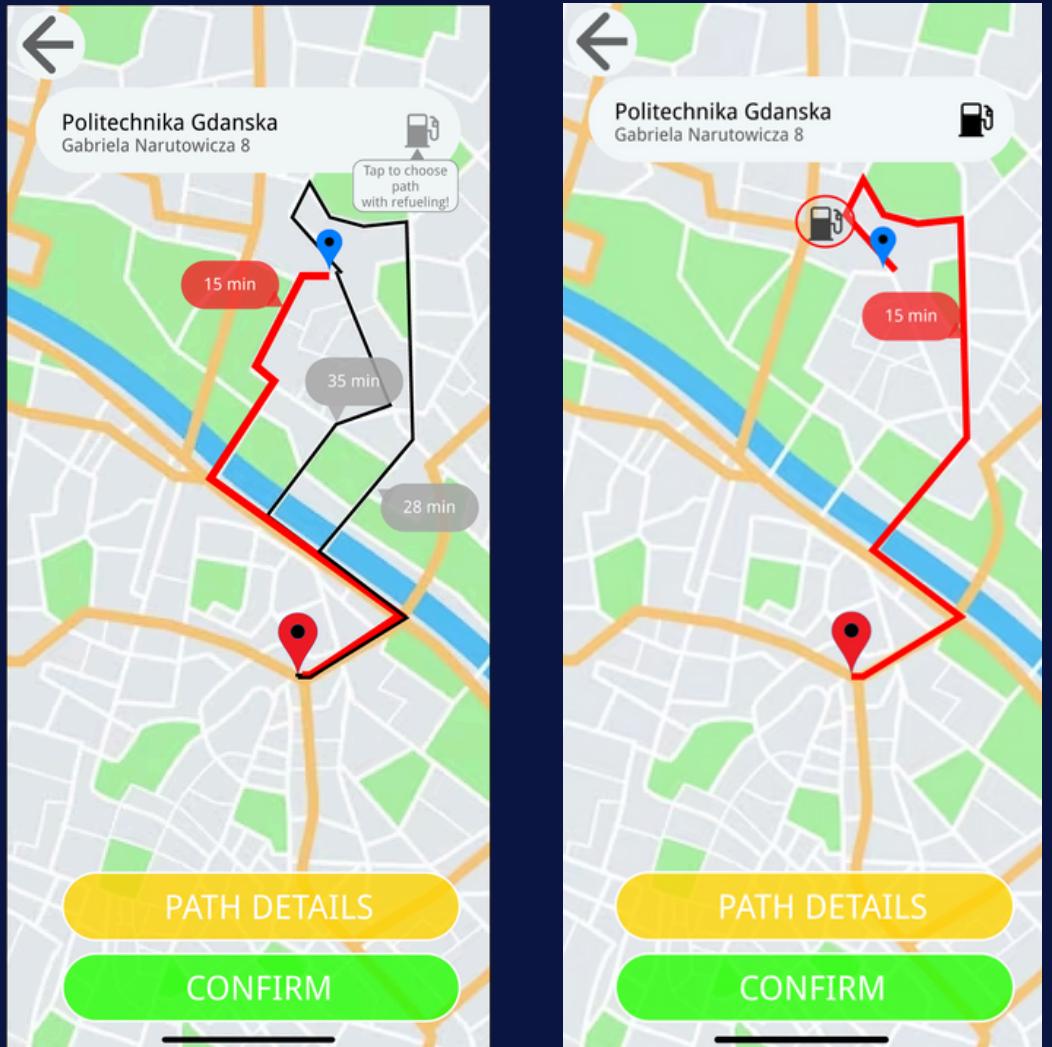
MAP WITH LOCATION SEARCH ENGINE BASING ON PLACE NAME



- Destinations from travel history are shown
- Additionally, few most suitable destinations are shown

FUNCTIONALITY #2

DISPLAYING FEW POSSIBLE PATHS WITH THE OPTION TO CHOOSE THE MOST SUITABLE FOR DRIVER

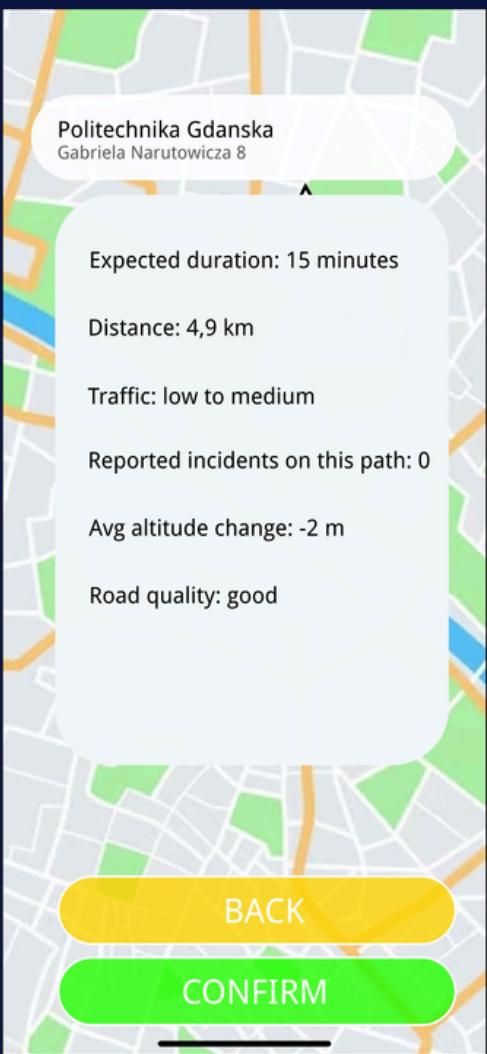


- At least two different paths are suggested by the application
- There is an option to choose the path with refueling on the way
- Estimated travel times are shown for each path



FUNCTIONALITY #3

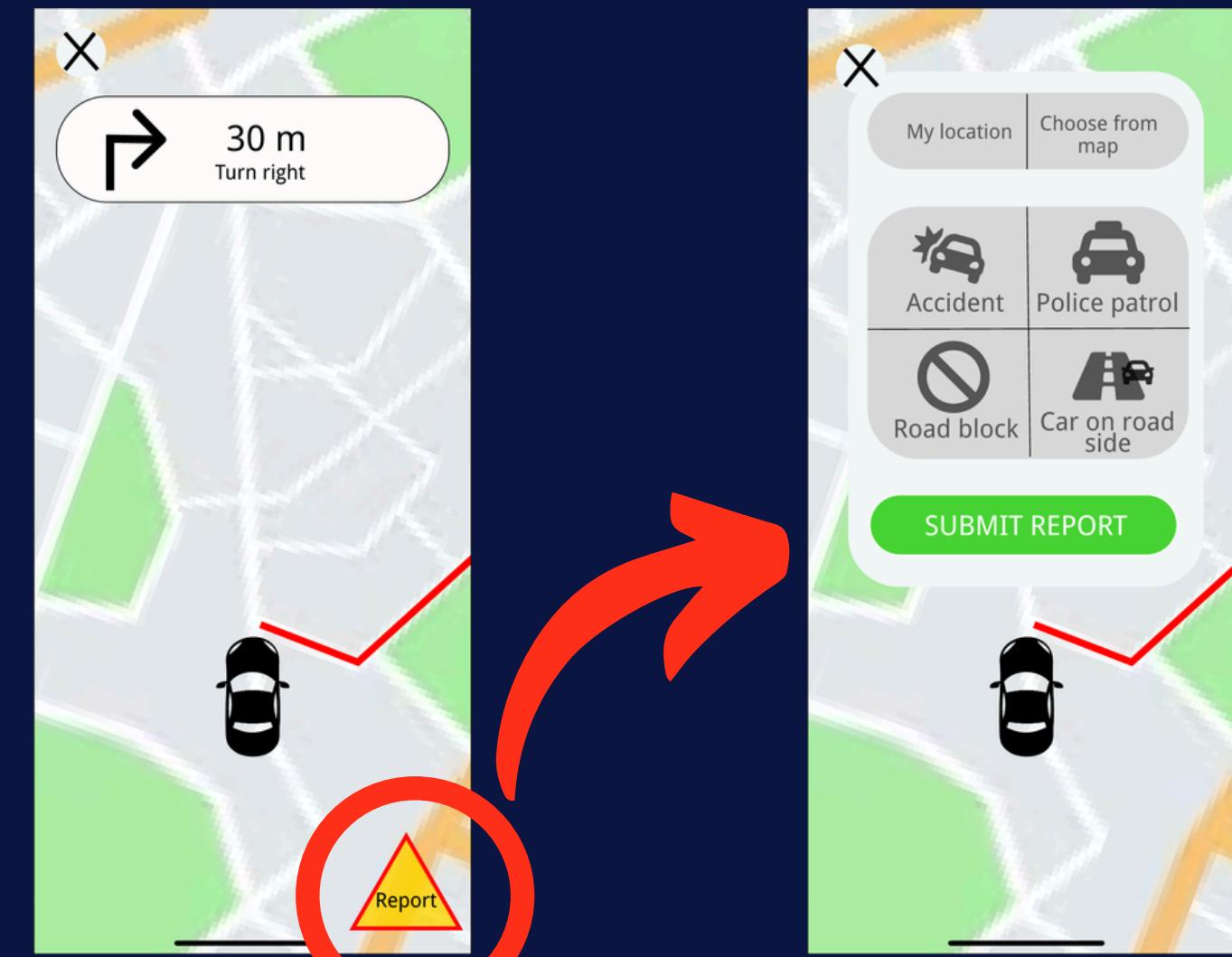
CALCULATING DETAILS LIKE DISTANCE, PREDICTED TRAVEL TIME, ALTITUDE CHANGE FOR PATHS



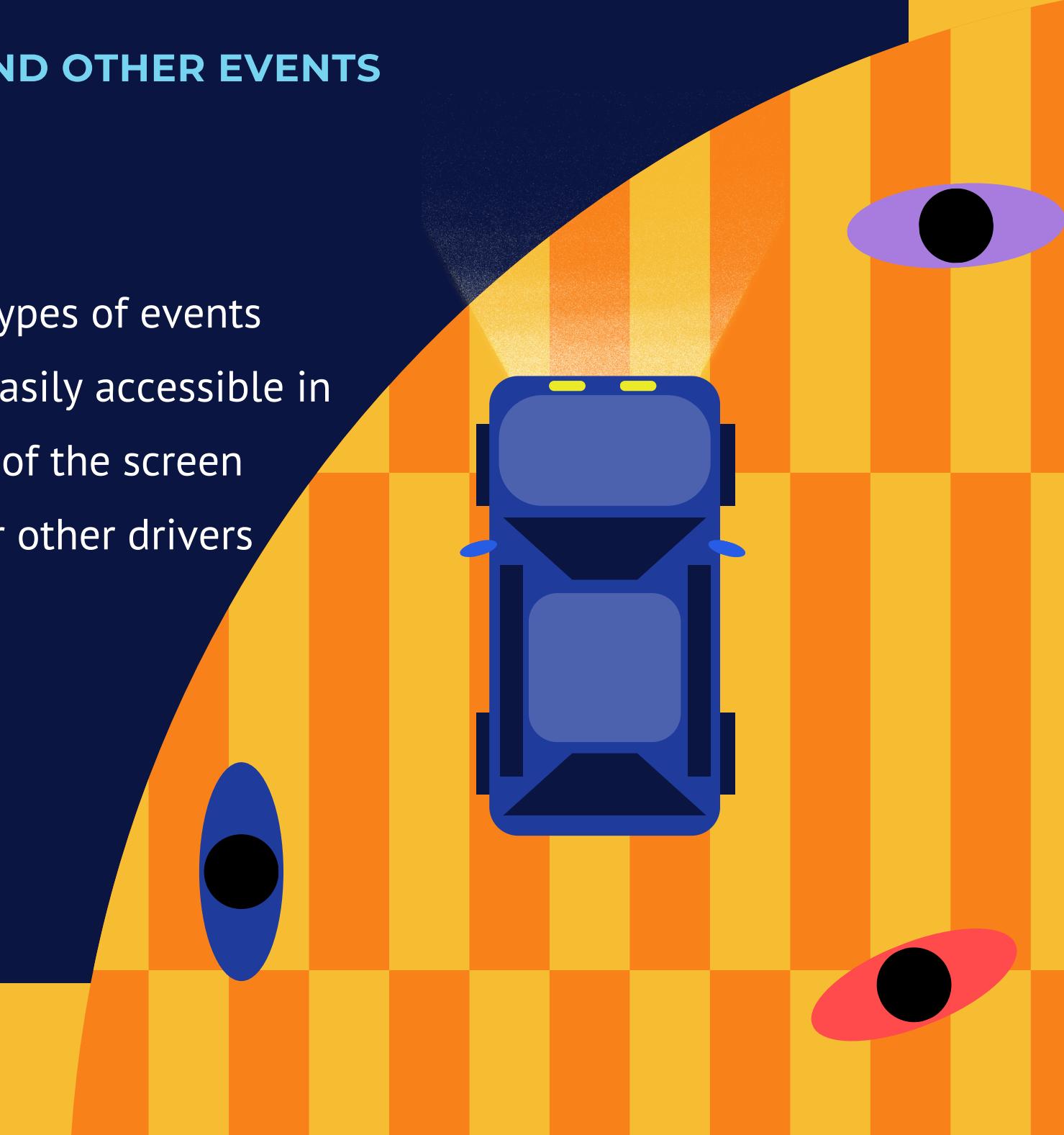
- After clicking “Details” button on the path choice screen we can see specific information about each path

FUNCTIONALITY #4

REPORTING ROAD ACCIDENTS, SPEED CAMERAS, POLICE PATROLS AND OTHER EVENTS

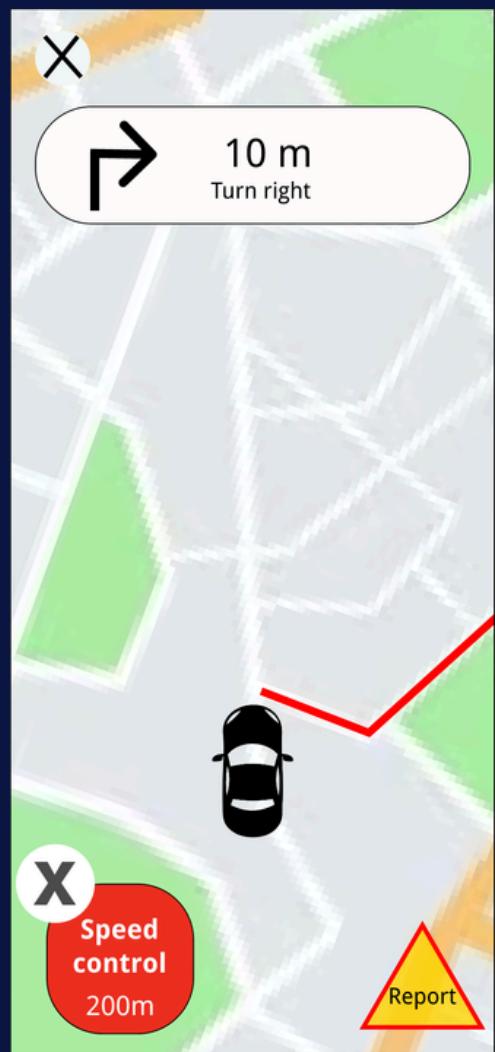


- User can report four types of events
- The report option is easily accessible in the bottom right part of the screen
- Reports are visible for other drivers

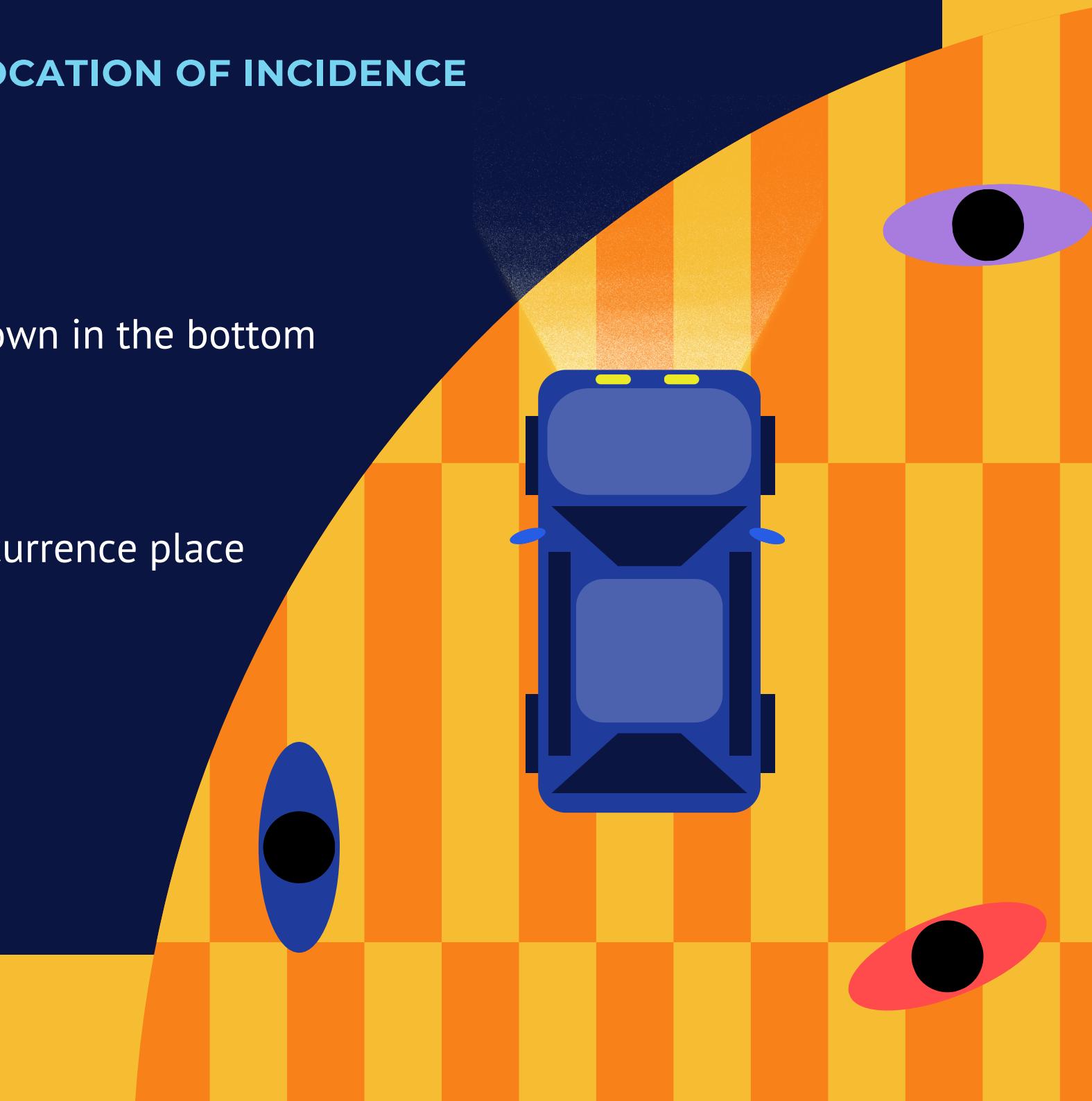


FUNCTIONALITY #5

SHOWING ALERTS WHEN DRIVER GETS CLOSE ENOUGH TO THE LOCATION OF INCIDENCE



- Alerts coming from others drivers reports are shown in the bottom left corner of the screen
- Alerts could be closed by clicking the “X” button
- Alerts are shown when user gets close to the occurrence place

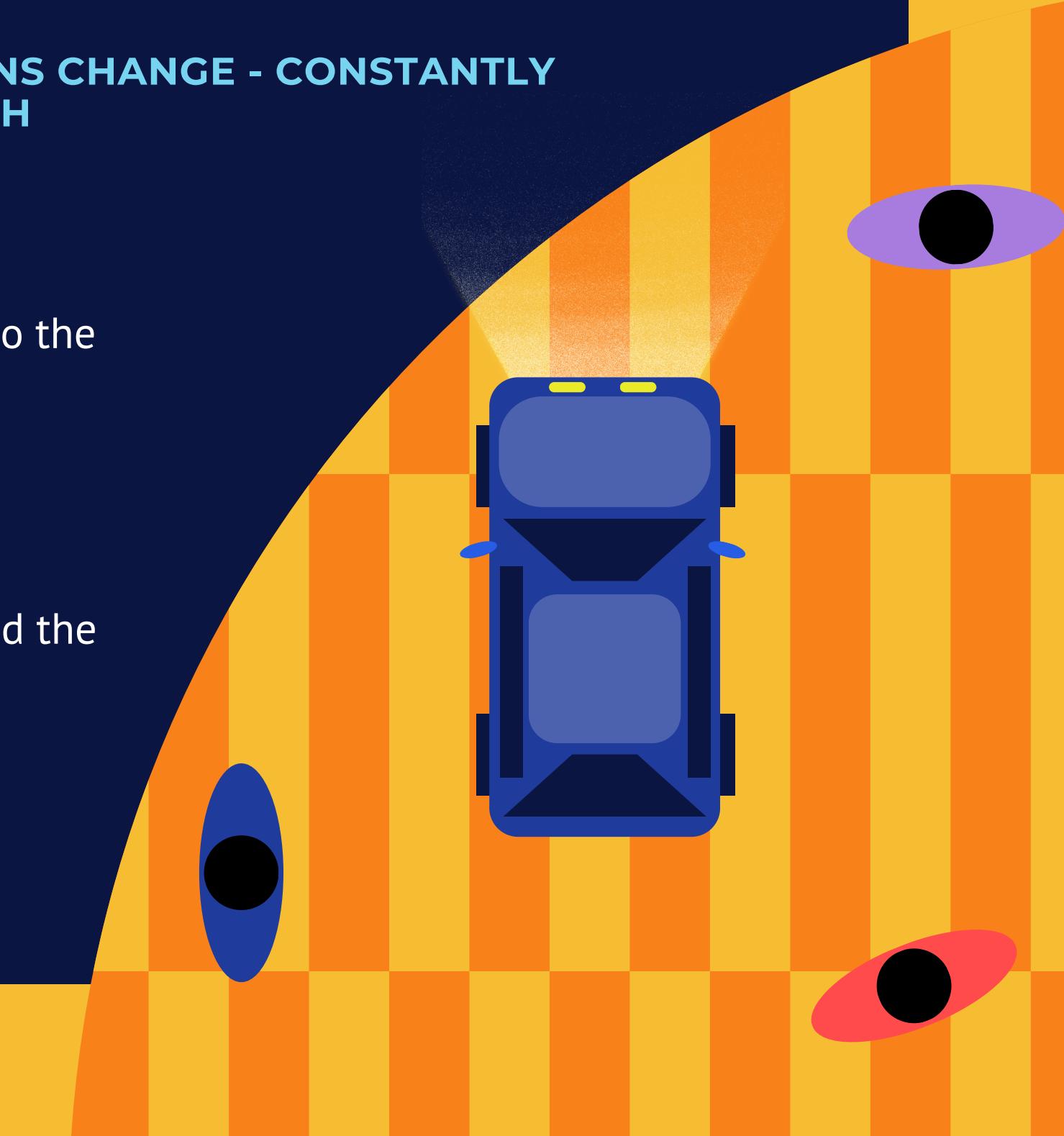


FUNCTIONALITY #6

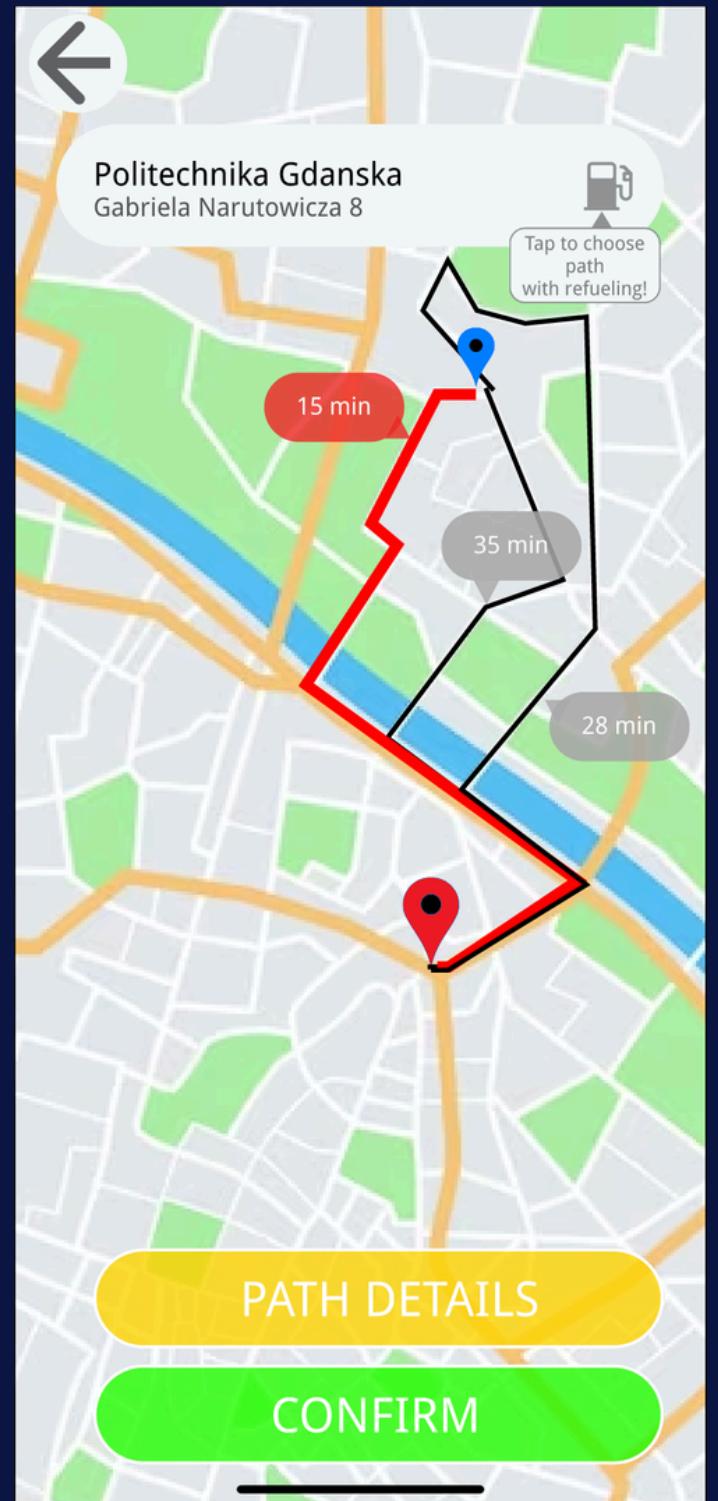
SUGGESTING PATH CHANGES DURING DRIVE WHEN ROAD CONDITIONS CHANGE - CONSTANTLY CHECKING THE EFFICIENCY OF CHOSEN PATH



- Application checks if there is a more optimal path to the desired destination
- It shows the alert in the bottom part of the screen
- User can take the change or reject it
- There is also possibility to leave the notification and the path would not be changed



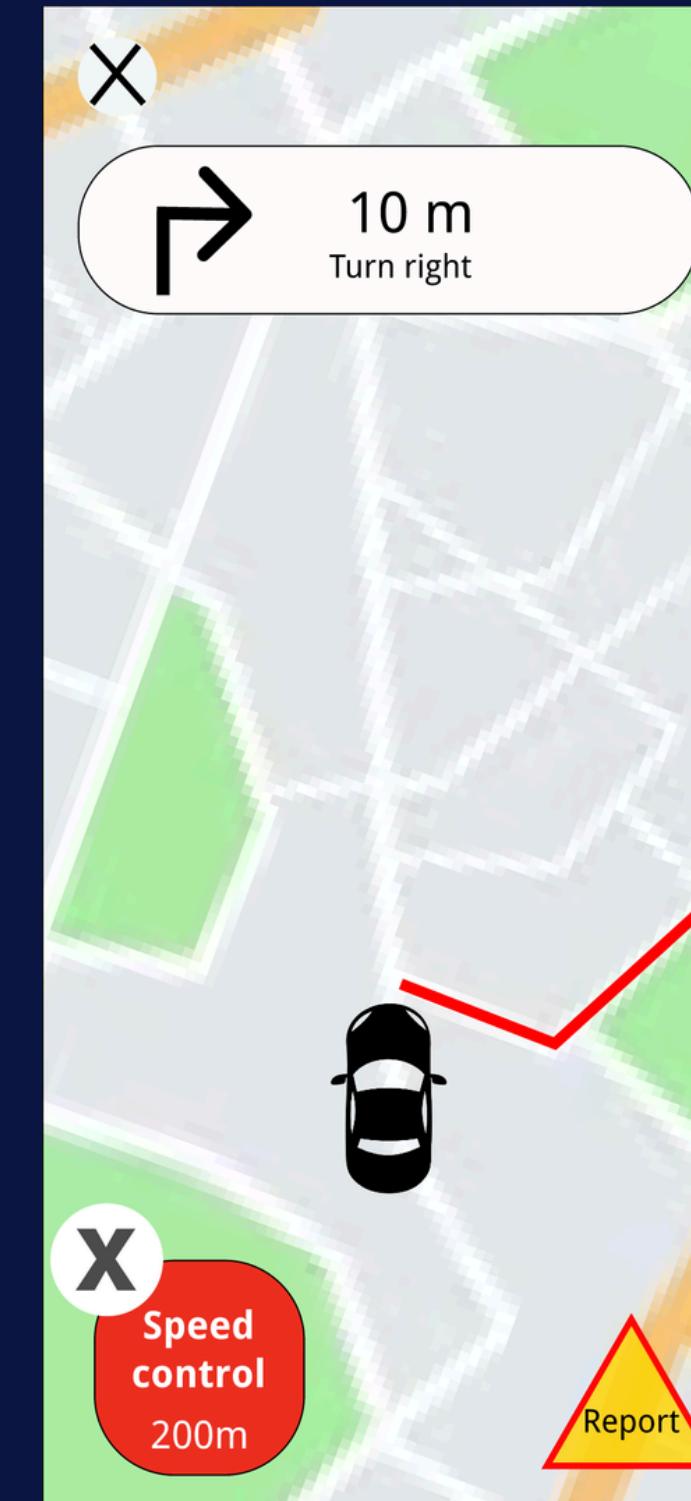
DESIGN WORK - COLORS



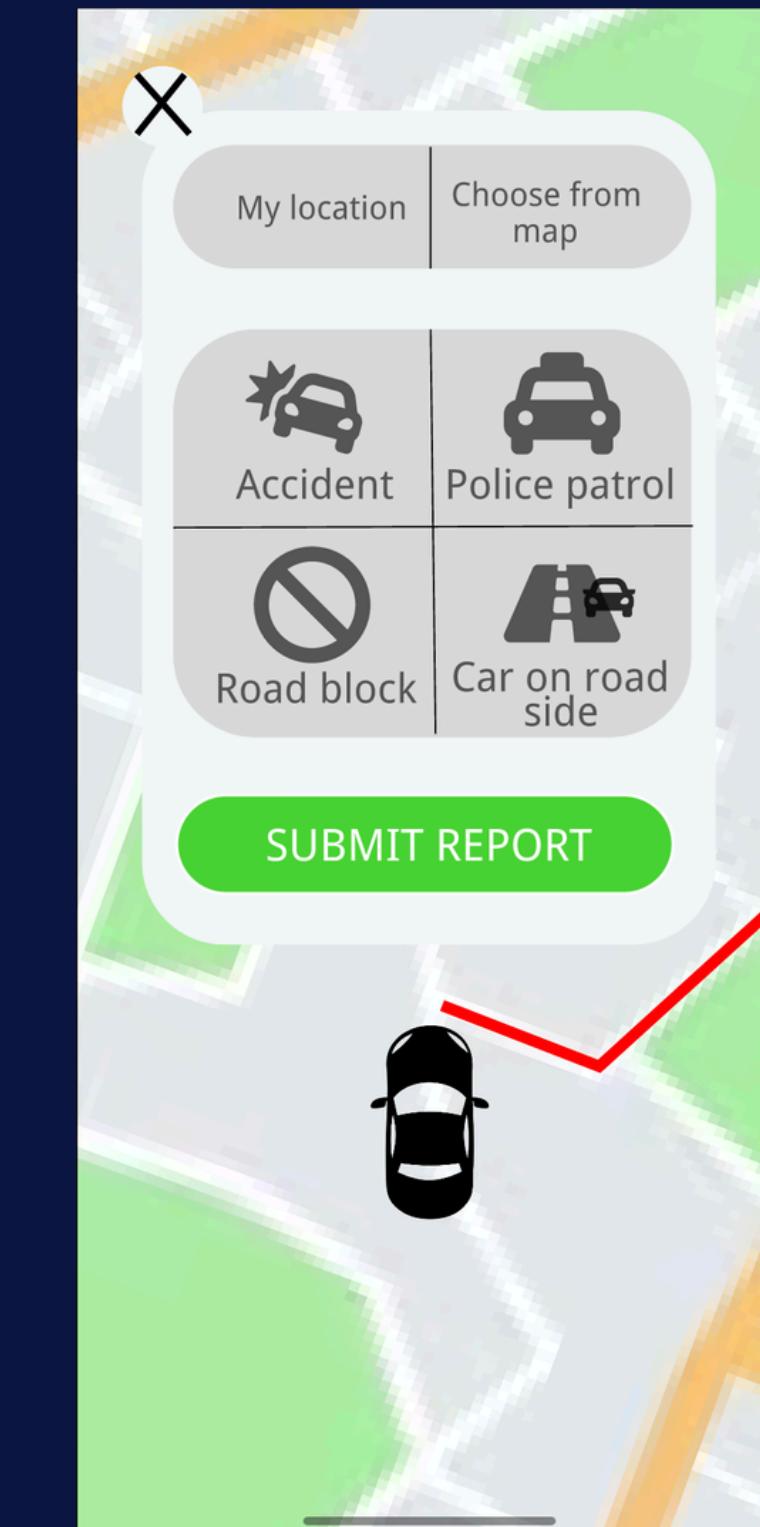
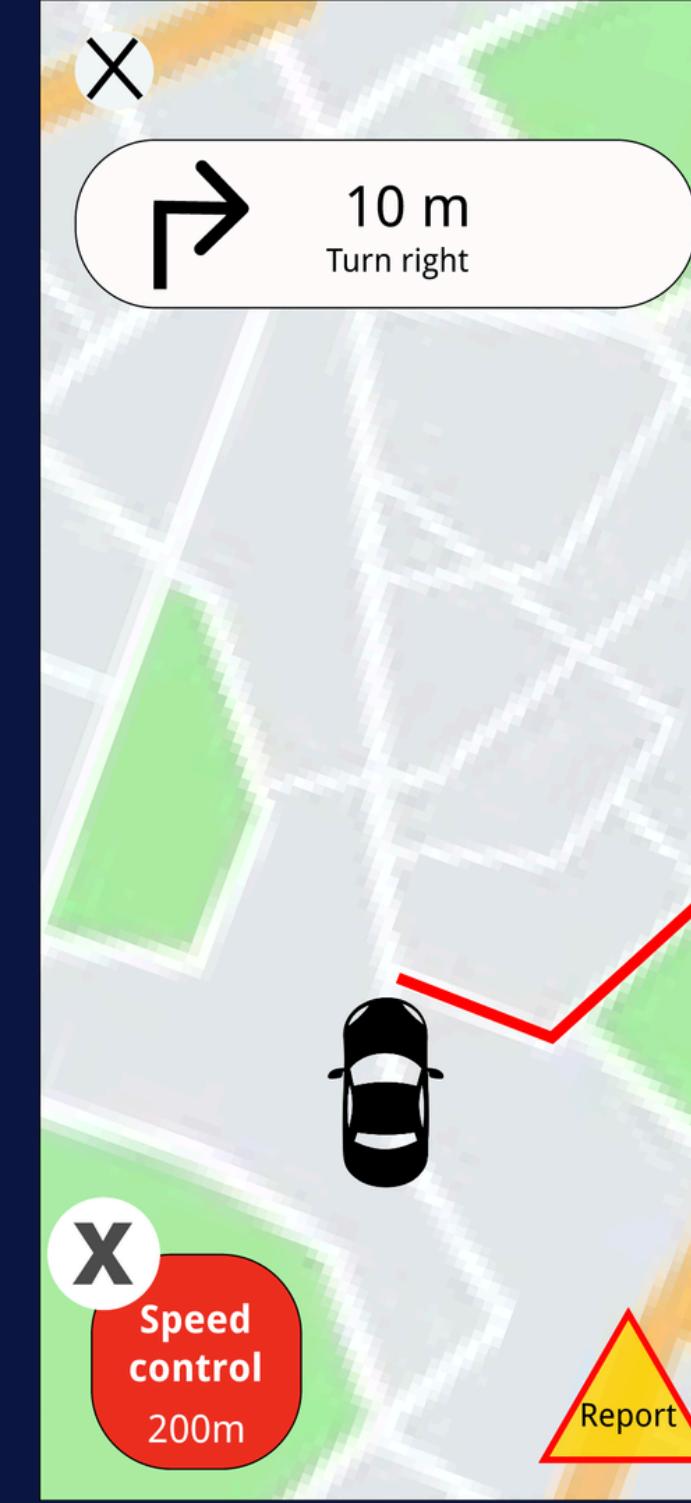
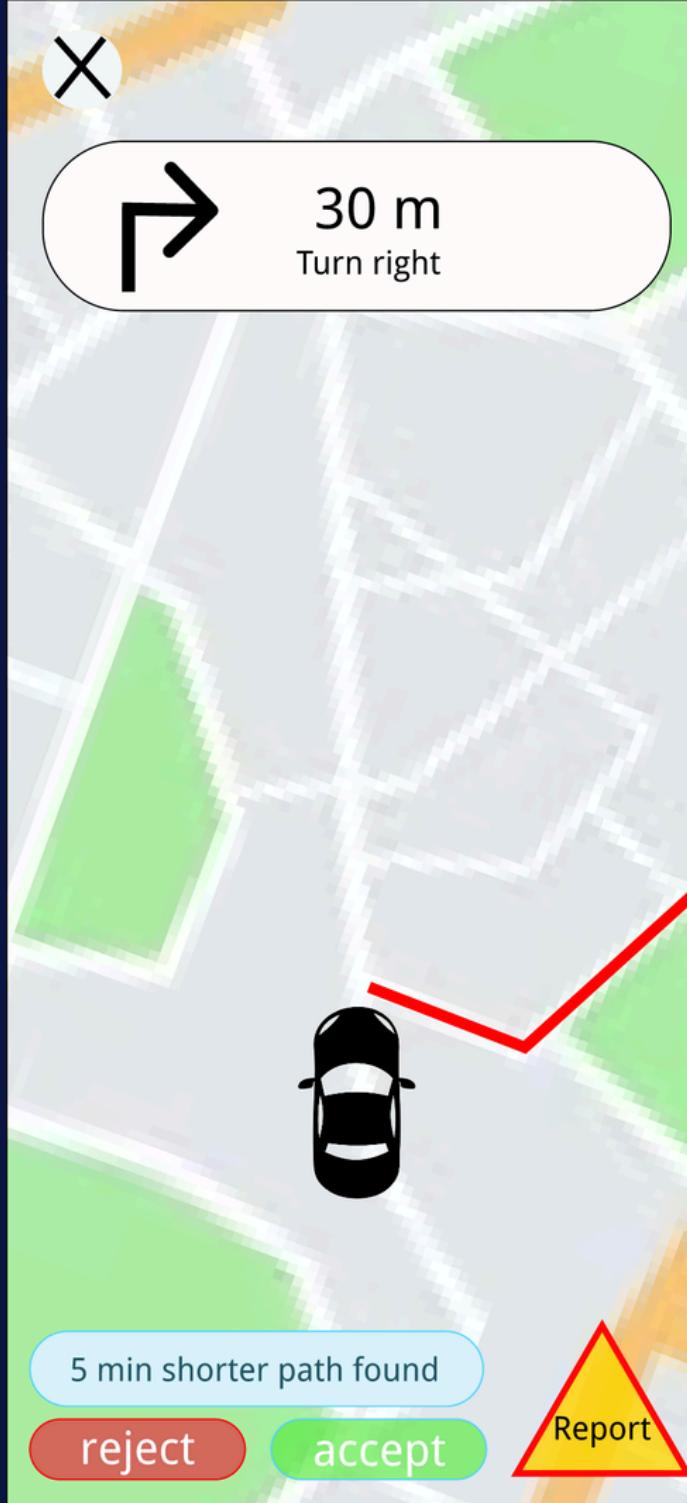
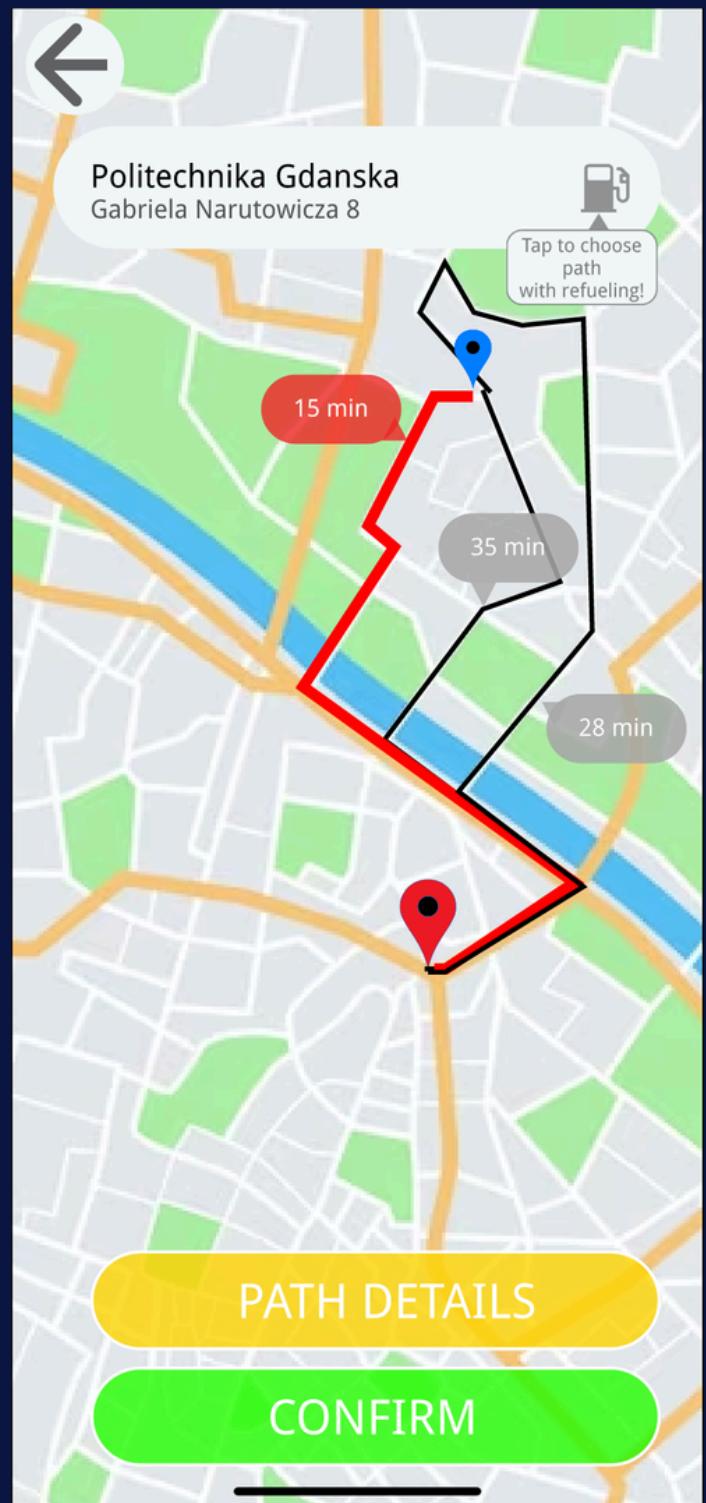
green - confirm

yellow - details

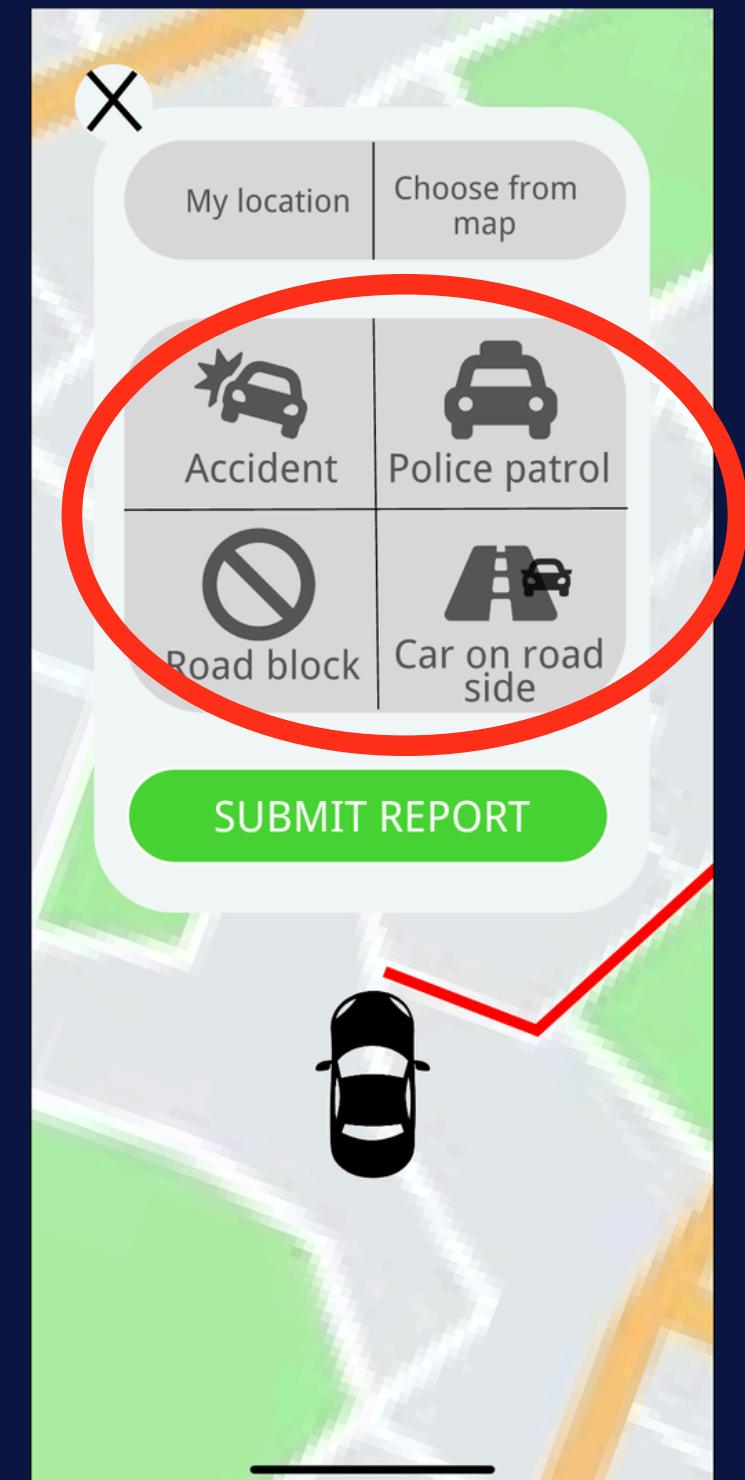
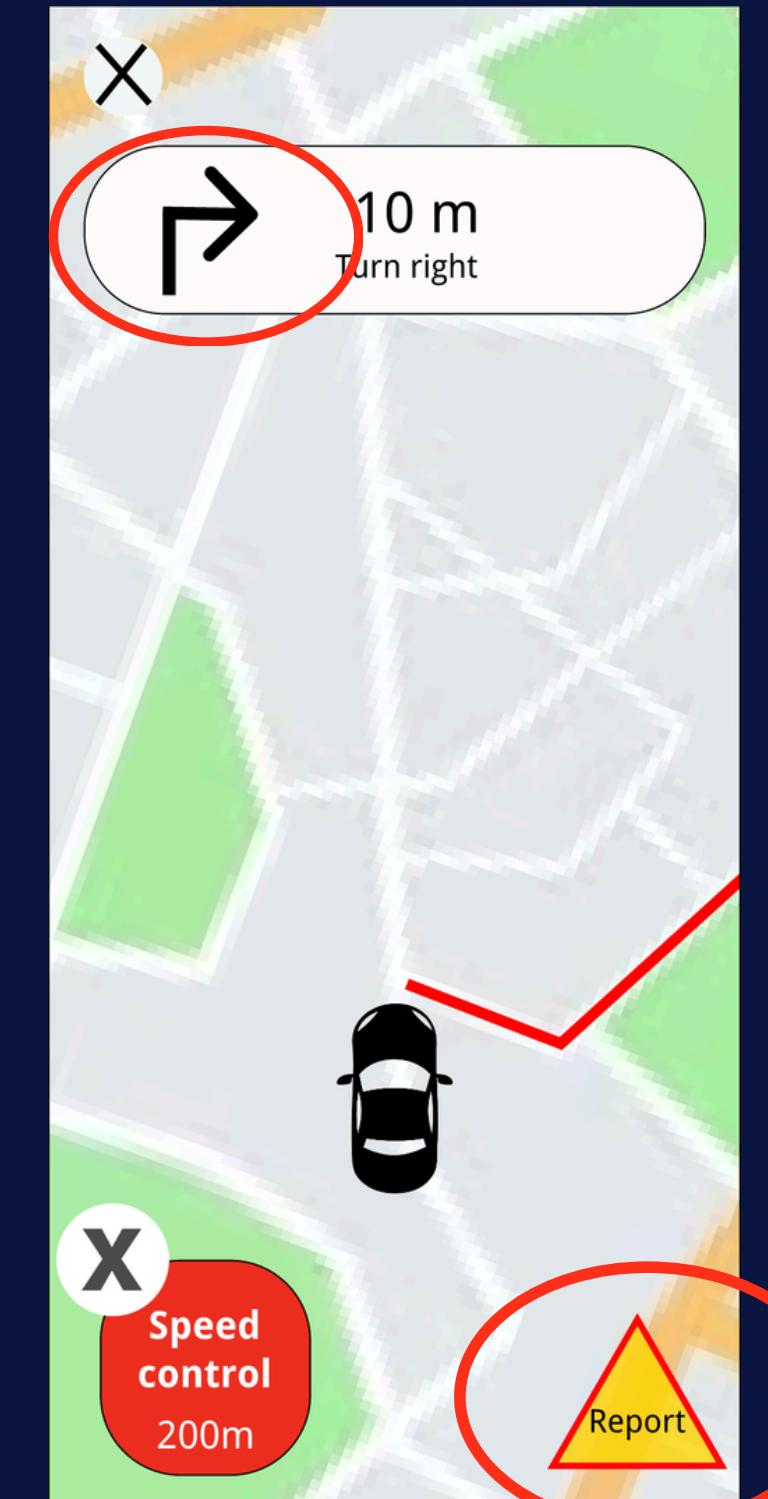
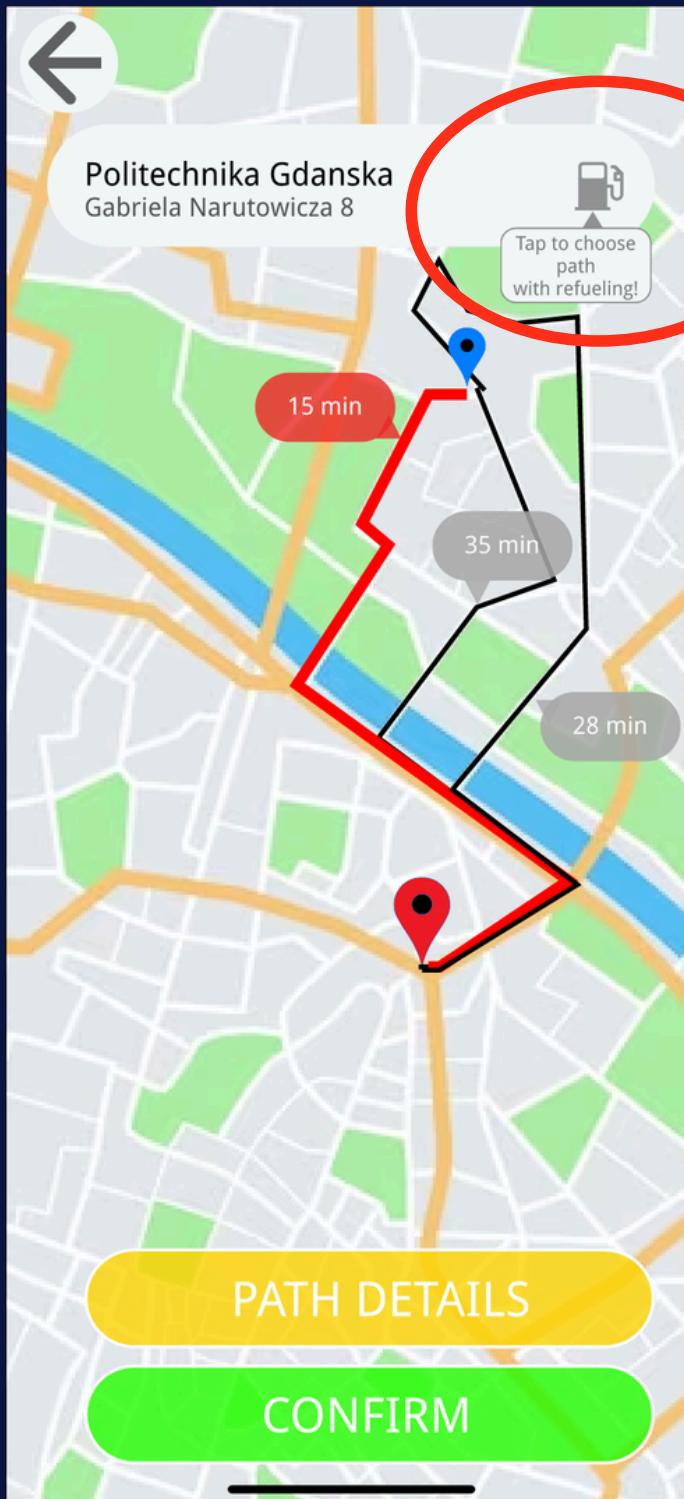
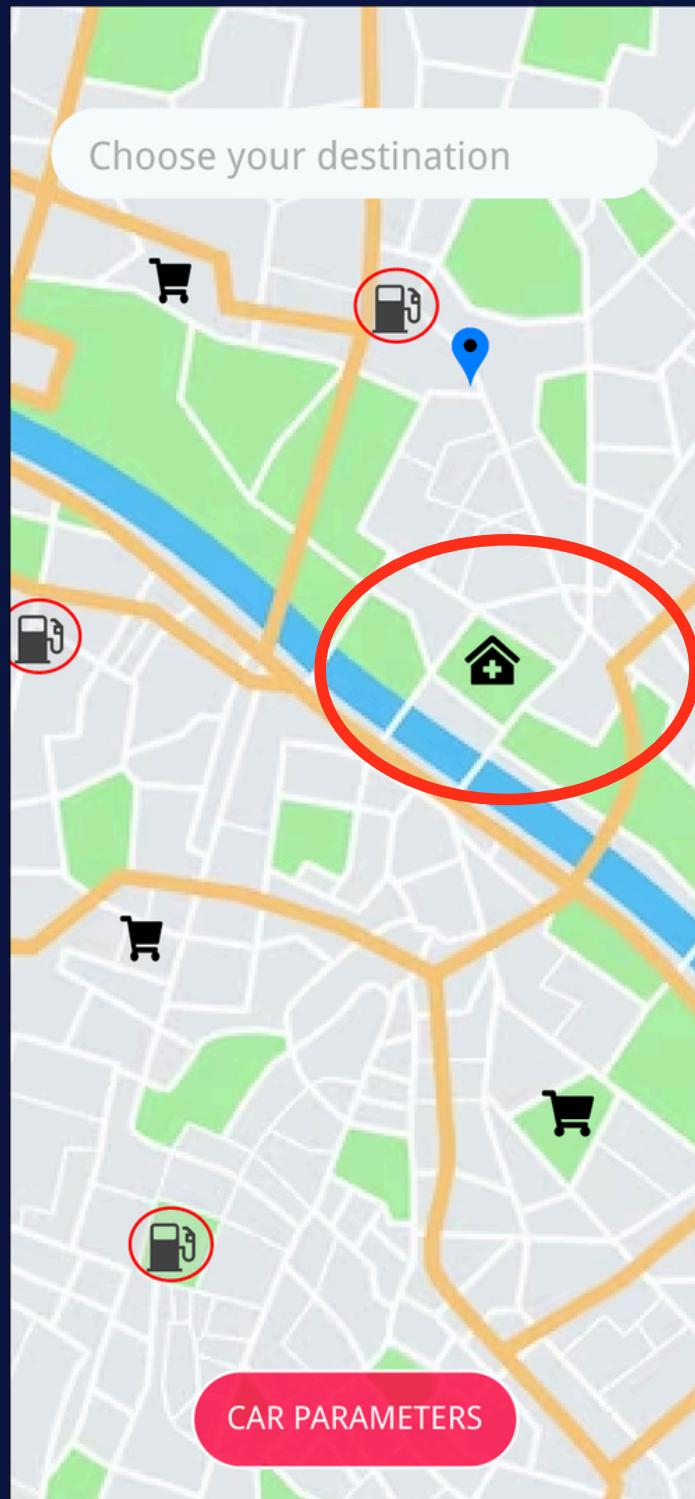
red - alerts,
rejecting, selecting



DESIGN WORK - BUTTON PLACEMENT



DESIGN WORK - ICONS

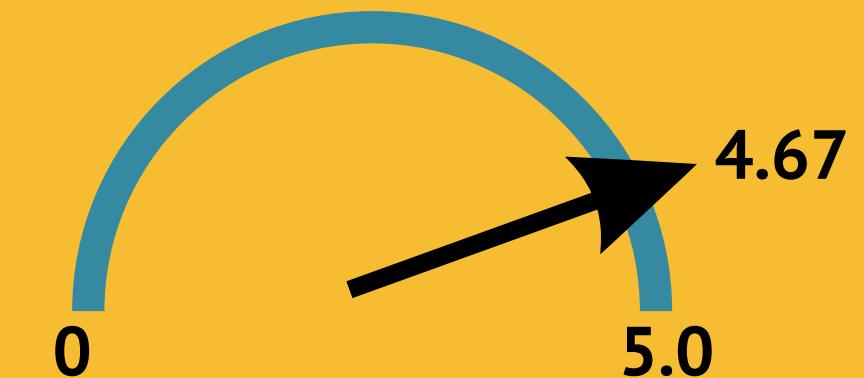


EVALUATION REPORT ON USABILITY TESTS

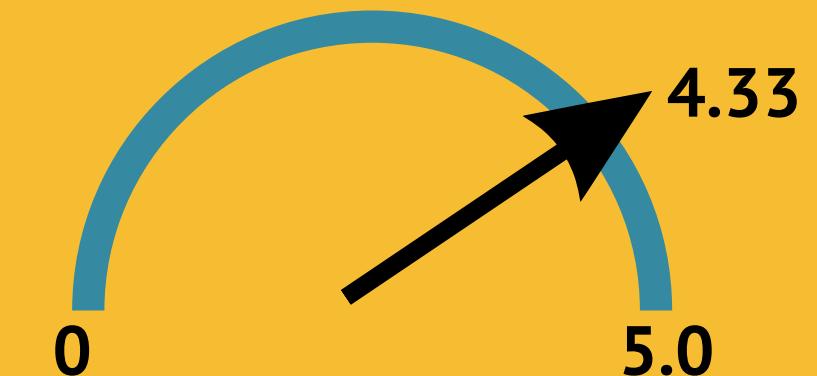


CLOSED - ENDED QUESTIONS #1

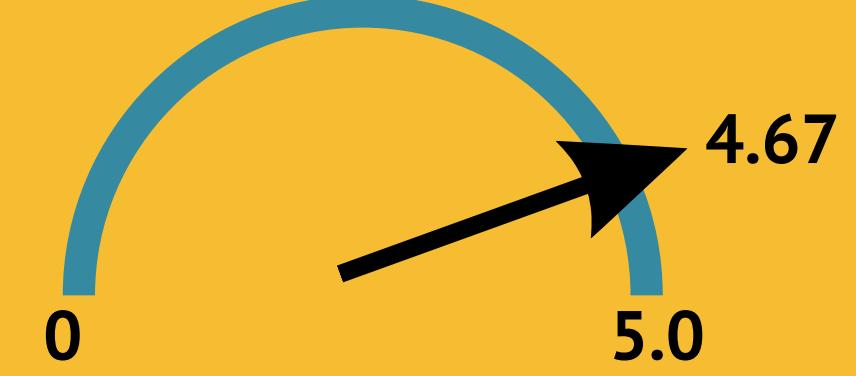
1. The communicates in the AutoVerse application are clear and precise.



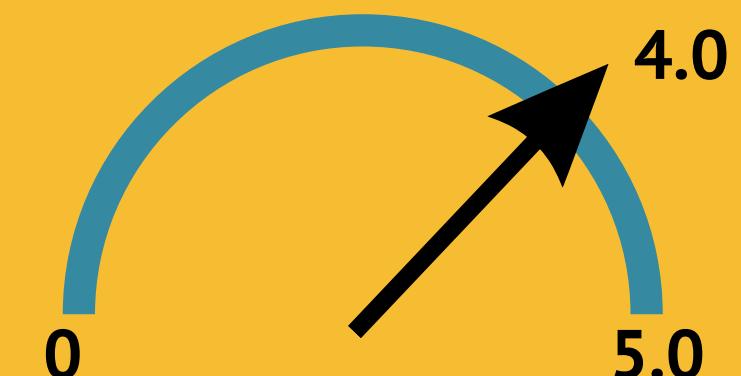
2. Icons used in the application are easy to understand.



3. Map navigating instructions are easy to understand.

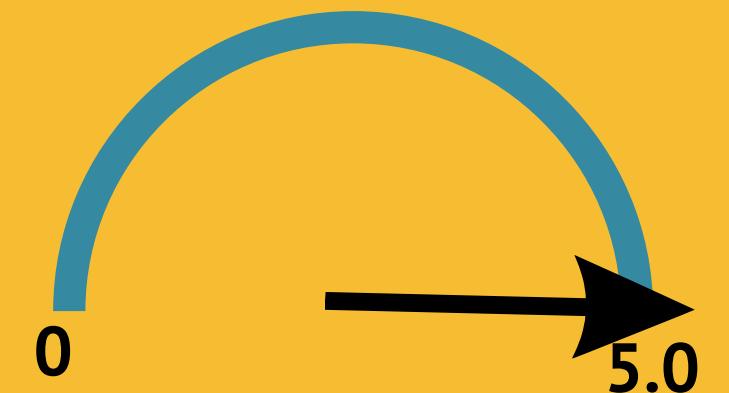


4. The AutoVerse application is internally consistent.

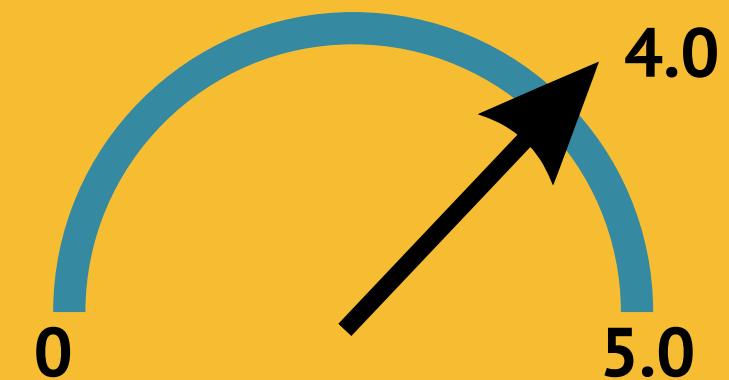


CLOSED - ENDED QUESTIONS #2

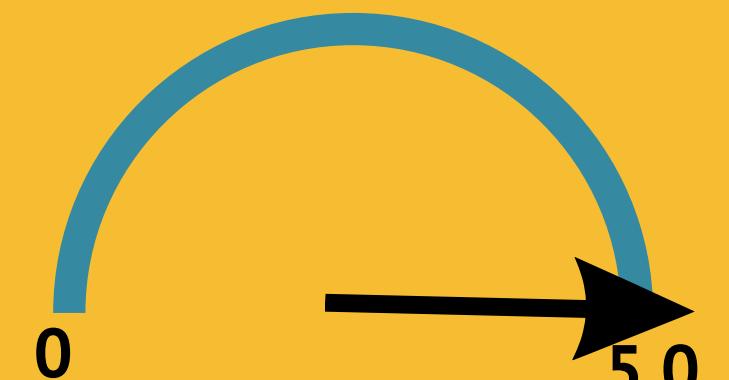
5. The AutoVerse application is internally consistent.



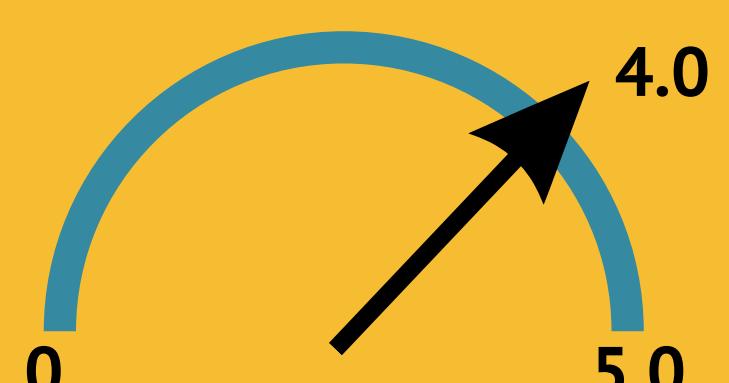
6. Icons used in the application are easy to understand.



7. Number of options available in the AutoVerse application satisfies you.

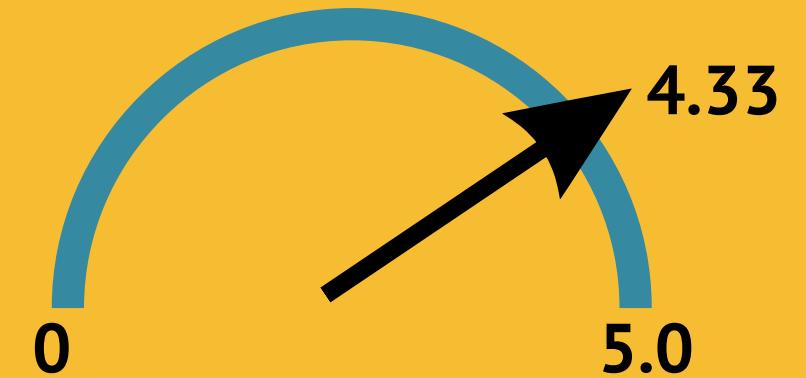


8. The responsiveness of the AutoVerse application is good.

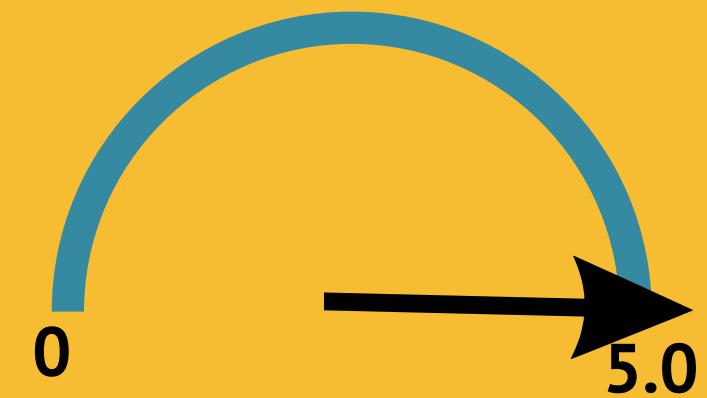


CLOSED - ENDED QUESTIONS #3

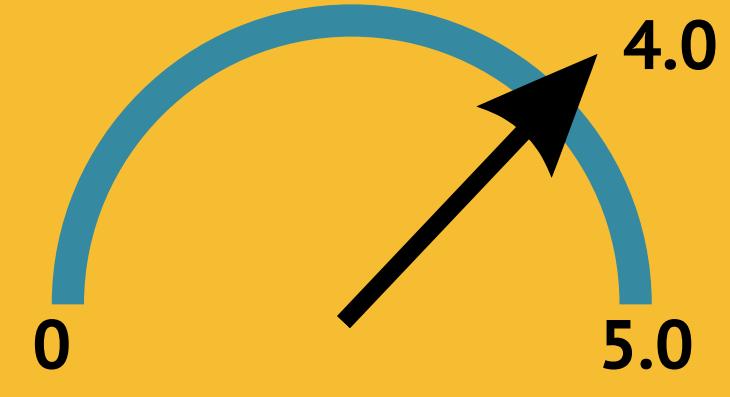
9. The AutoVerse app suits my preferences.



10. AutoVerse application interface is user-friendly.



11. The application's performance is satisfactory.

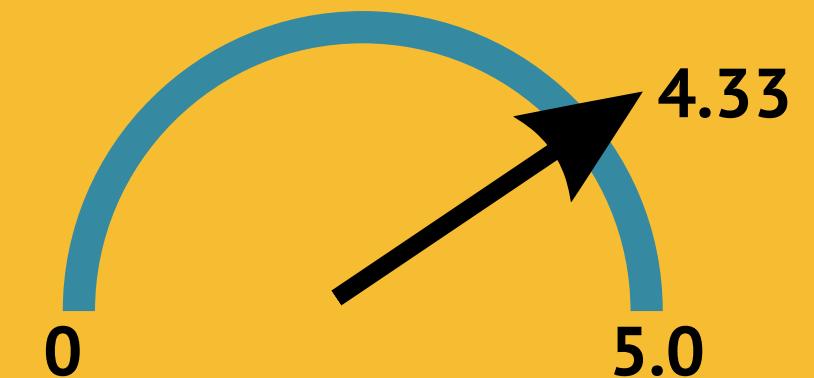


12. AutoVerse app suggestions are accurate.

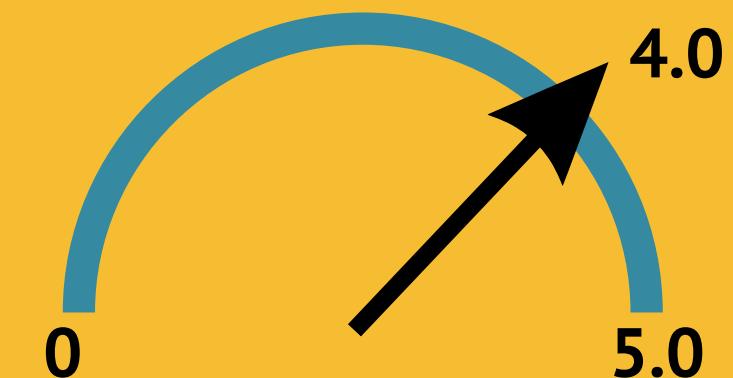


CLOSED - ENDED QUESTIONS #4

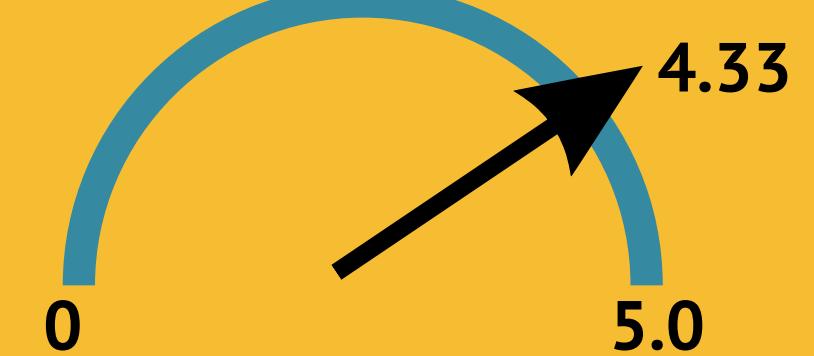
13. Personal settings are successfully saved on my device.



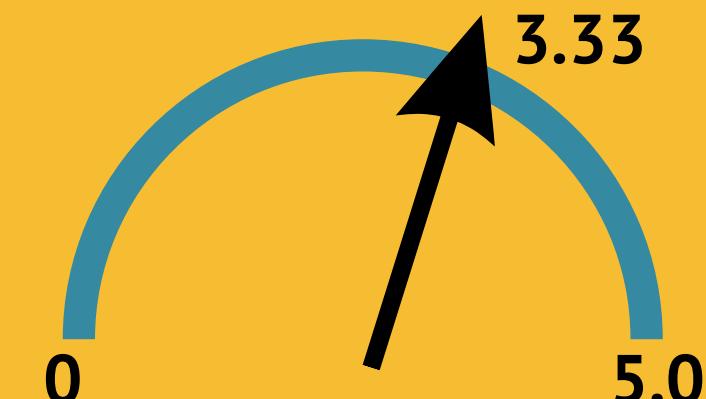
14. Navigating solutions suggested by the AutoVerse application are rational.



15. Application usage is easy to learn.



16. The interface is similar to ones the other apps like Google Maps or Waze.



OPEN - ENDED QUESTIONS

1. The most difficult thing to perform in the application:

REFUELING OPTION

2. The most important feature of the application:

REPORTING OPTIONS

3. The least important feature of the application:

CAR PARAMETERS

LESSONS LEARNED

Creating user personas and story boards helps in identifying functionalities which are necessary for the app to be useful to potential users

Making user personas and story boards helps in making more user-centered decisions during the development of the prototype

Creating a prototype can help discover technical limitations and necessary changes to the app

Prototyping helps in understanding user needs and allows for finding design flaws which would otherwise go unnoticed

Prototyping helps in unifying the teams members vision regarding the app's functionalities and visuals

**THANK YOU
FOR YOUR
ATTENTION**

