

Use Case

Name: Distracted driving app insurance incentive program.

Actor: Driver and auto insurance provider.

Preconditions:

- Driver must own a car insurance policy with a company that is a participant of the distracted driving app insurance incentive program.
- Driver has a smartphone. A driver must have access to a bluetooth enabled smartphone to ensure a link to the insurance provided car plugin. This smartphone will allow application downloads from the appropriate app marketplace.
- Insurance company has provided bluetooth adapter . The adapter is designed to plugin to a car's OBDII port (found under the steering wheel). This adapter will send a bluetooth signal to link to the driver's phone. When the car is moving, the distracted driving application will automatically initialize.
- Driver has installed bluetooth adapter. The bluetooth adapter must be installed in the drivers car prior to using the application. This makes the process of engaging the application automatic so the driver is not inconvenienced by opening the app every time they drive. This feature also protects the insurance company by only dispersing benefits when the insured car is driven. Without this feature the insurance company would be susceptible to fraudulent usage.

Postconditions:

- When a driver has reached their destination and the car is turned off, all notifications received while driving will be made available.
- Driver may view the application to see there current accrued benefits.
- Insurance discounts accrued through the incentive program will be deducted on each month's insurance bill.

Flow of Events:

1. Driver signs up with insurance provider for the distracted driving prevention incentive program.
2. OBDII bluetooth adapter plugin arrives in the mail.
3. Driver downloads the car insurance companies distracted driving prevention app.
4. Driver logs in to the application with insurance policy credentials car VIN number.
5. Application prompts user to plug bluetooth adapter into OBDII terminal. Prompt is accompanied by pictures.

6. Driver is prompted to turn on the vehicle.
7. The application automatically finds and links to the bluetooth adapter.
8. Application confirms successful installation and notifies driver they are ready to drive.
9. Driver takes the car for a drive. The application is automatically initialized and displays to the user a short message it is running.
10. While the drivers car is running a text message is received by the drivers phone but the application blocks all notification of the message.
11. The driver reaches their destination and turns off the vehicle.
12. At this time the text message and any other messages received by the phone are made available and the application is disengaged automatically.
13. The driver may now open the application to view the rewards they have accrued while driving.
14. When the driver receives their monthly bill these rewards will be reflected as a discount to their policy.