Mobile Web Application on Travel Services

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# Project Proposal

# Project Goal and Objectives

## Motivation

Advancements in the today's mobile technology created a huge scope to develop applications that are beneficial to the users. To provide best solution for common problems like when user forget parked vehicle location, for efficient fuel usage, and when the driver won't be in a position to call emergency services and give all his details. So this application stores the required information and provide optimum solutions at all the times.

## Significance

Currently there are different applications for individual services. Our goal is to create a one stop solutions for all these travel needs so that user can have better service by combining data from various services. Also the user need to give the voice commands only rather than using traditional typing method to initiate any process in our application. This assures drivers safety while using this application.

## Objectives

The objective of this project is to develop a mobile web application to deliver travel related services, which includes Navigation, Parking, Fuel monitoring, Weather, and Emergency Help services. This will be developed using HTML5, JQuery, Java script and CSS to make it platform independent, thus it works on Android, IOS and other mobile platforms.

## System Features

**Navigation Service:**

User can easily get directions from any source location to destination. Also by using the current location, User can find nearby Gas stations and Restaurants and any Attractions whenever needed.

**Parking Solutions:**

The basic problem of finding your car in huge parking spaces without creating any panic sounds can be achieved by using this application. When the user finds a parking space and parks his car, a marker is placed on the map for that location and the user can easily reach the car using navigation services.

**Fuel Monitoring Service:**

User can keep track of the fuel consumption and the usage. User has to enter fuel filling information and vehicle details like year, make, model to calculate mileage. It generates multi dimensional reports and charts for the benefit of user analysis, which helps in reducing fuel consumption.

**Weather Services:**

User can find current weather information and weather forecasts at a particular location and can also get live traffic and commuter weather forecast alerts. They also get notified with the sudden climatic changes if any.

**Emergency Help:**

Drivers can find best solution to un avoidable conditions by giving one or two Audio inputs to get emergency help from Police, Medical and Road assistance services.

# Assumptions

Geo location services are always up to date and available.

# Related Work

1. Fuel Monitor

This App is useful to monitor the fuel level in the vehicle. If the fuel level goes down, it will remind user to refill the tank. For this user has to enter the Odometer reading and amount of fuel filled in the tank.

1. Find My Car

This app useful to remember the GPS position of a car, hotel or any other location. It shows current position of a user and the car position on the map. So User can find the car easily.

1. Navigation

User can Explore new places, discover local attractions, and navigate with Google Maps.

1. Weather Services

User can see two-day forecasts with severe weather warnings for current location, and Push notifications for severe weather alerts in the United States.

# Backup Project

Build a Health application which provides suggestions to a patient (User) based on symptoms, age, geo location and previous health conditions input by the patient.

# Bibliography

1. Fuel Monitor

<https://play.google.com/store/apps/details?id=com.mad.app.fuelmonitor&hl=en>

1. Find my Car

<https://play.google.com/store/apps/details?id=com.elibera.android.findmycar>

1. Navigation

<https://play.google.com/store/apps/details?id=com.google.android.apps.maps&hl=en>

1. Weather Services

<https://play.google.com/store/apps/details?id=com.accuweather.android>

**Note:** Design, Implementation and all other technical details will be provided once the project scope is finalized.