

PROBLEM STATEMENT

- An app to locate grocery stores/restaurants along the national highways with details regarding time of operation and type of food

SOLUTION APPROACH

- We propose a system to locate all the restaurants and grocery shops with the cuisines/grocery menu items available with them and also with operational timings of the service provider using
 1. Native Android application
 2. Webportal (Restaurant/Grocery/Other) for service provider registration and Profile/Menu updation feature
 3. Cloud backend where all the data of the complete system is stored and processed and exposed as REST API

COMPLEXITY

- The overall connection is interlinked with service provider and traveller in efficient manner the system is gps enable which helps to identify the nearby service provider between the current location and destination of the traveller the individual user interface is designed for both traveller(android app and service provider(website)
- The centralised database schema is designed to collect the individual service provider updation and also used to provide gathered collection of data to the traveller

TECHNOLOGY STACK

1.Traveller : Native Android app developed using Android Studio and Android Sdk's

2.WebPortal : Angular JS, Html-5,Bootstrap

3.Cloud backend: Node JS, Mysql database, REST API

INNOVATION

- Google provides sophisticated data for all almost all the nearby services available, but still the data is not owned by us
- Google api has limits in usage and pay per usage model is used and if in future Google stops support for providing nearby services then all our app features will fail
- We have come up with the complete stack where slowly we will have the complete data of all the nearby services

USER EXPERIENCE

- The web portal is developed using Angular JS and bootstrap frameworks which makes the UI more appealing and intuitive with almost all browsers compatible
- The Android application is a complete Native app designed with Material Guidelines given by Google which makes usage of the app easier without much hassle

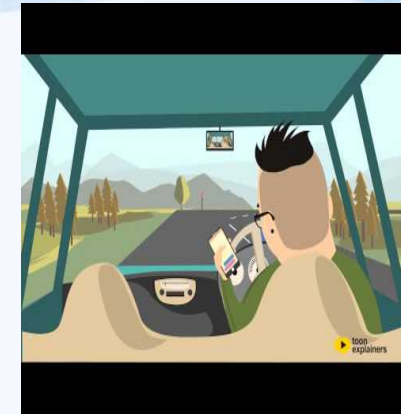


Traveller starts his journey

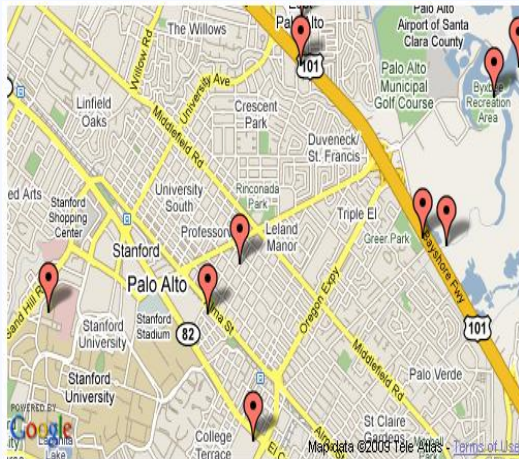
Don't know where to eat.. Ohhh no!!!



He uses resgro



Absolutely... he finds the solution



And finally!!!



FUTURE ENHANCEMENT

- In future we can extend our product to locate medical shops, petrol bunks, hospitals, and many other services along the national highways
- Also we can support our product as more user friendly to place order through online before they reach the service provider (grocery shop/restaurant) and integrate payment options
- We can also work further on dynamic availability of items on the shops so that the users can plan accordingly

MINISTRY SIGNIFICANCE

- Ministry can maintain the entire restaurant and grocery shops along the national highways of India which will be easy for the authorities to inspect those centres periodically
- Also the ministry may get certain revenue from the applicant during his registration
- And can also help the ministry to overcome the tax payment issues by monitoring them continuously