Abstract

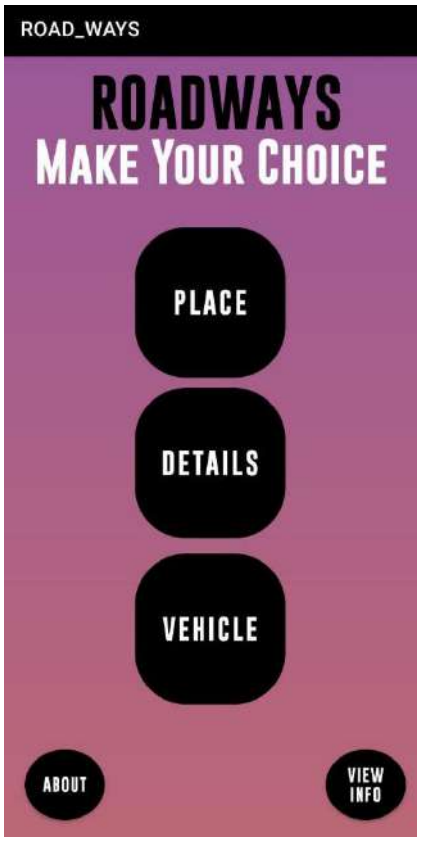
The mobile device market is rapidly developing. Most of these devices run Android Operating System. The Android application development is simplified by its SDK that provides tools and APIs needed to develop applications, favouring an easy integration with many resources available on the device. However, due to the limited resources available on mobile devices and the limited battery lifetime,the project of mobile apps have hard constraints specially on performance and energy consumption.

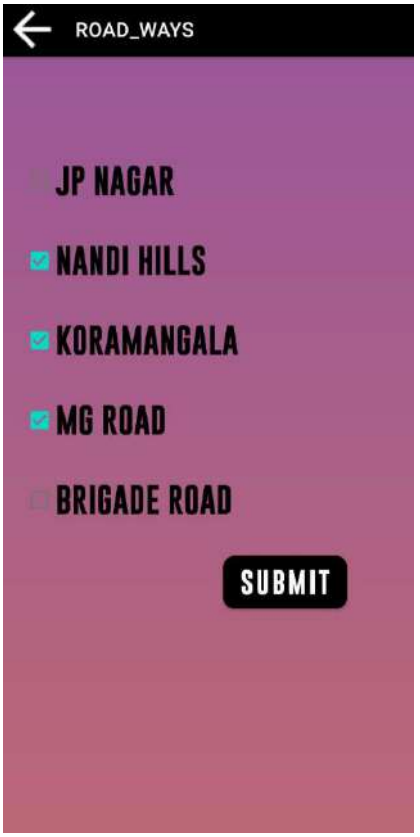
Google presents best practices for android development focusing on performance improvement. Android best practices for performance are small code changes proposed by Google to reduce execution time. This work evaluates and analyzes the impact of two of these best practices on performance and energy consumption. The practices are initially applied to experimental code and then on real world Android application and their impact on performance and power consumption are analyzed. The results obtained indicate that these practices have a positive impact on performance and energy efficiency.

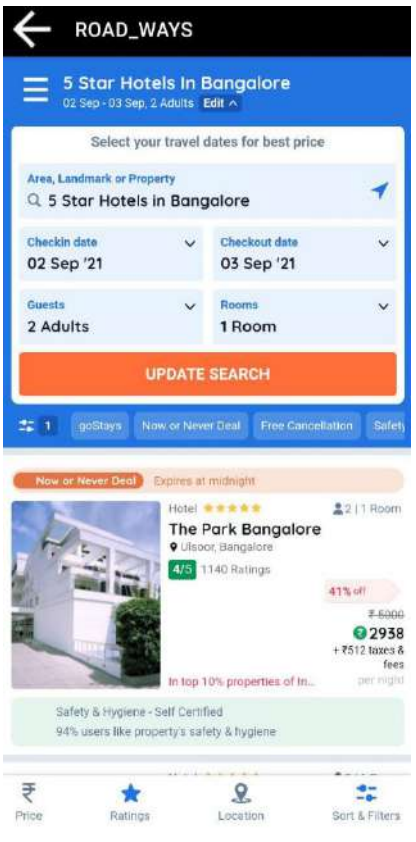
Architectural Diagram

Chapter 4

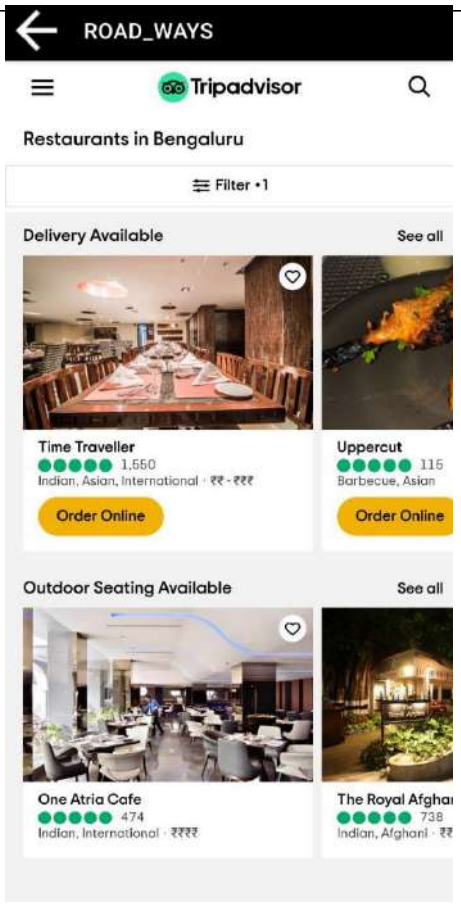
Screen Shots

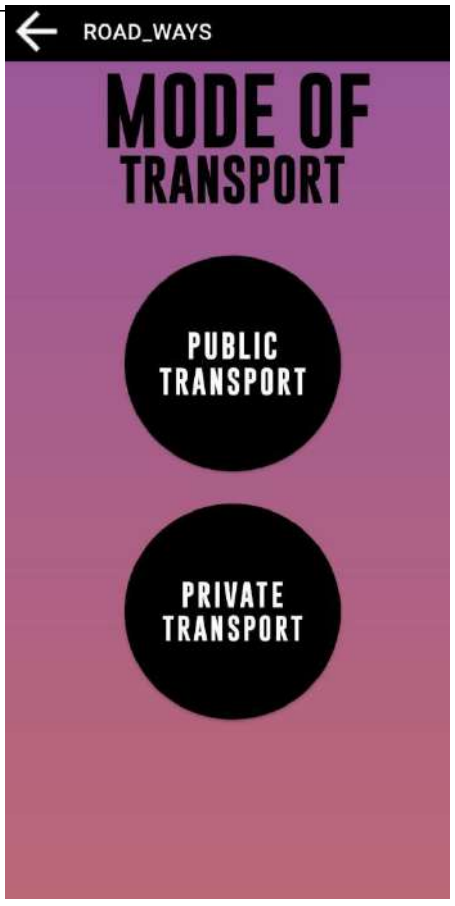







ROAD_WAYS
MAKE YOUR CHOICE
VEG
NON-VEG
VEGETARIAN
100%
VEGETARIAN
SUGGESTIONS


ROAD_WAYS
Tripadvisor
Restaurants in Bengaluru
Filter • 1
Delivery Available
See all
Time Traveller
1,550
Indian, Asian, International · ₹₹ - ₹₹₹
Order Online
Uppercut
115
Barbecue, Asian
Order Online
Outdoor Seating Available
See all
One Atria Cafe
474
Indian, International · ₹₹₹₹
The Royal Afghan
738
Indian, Afghani · ₹₹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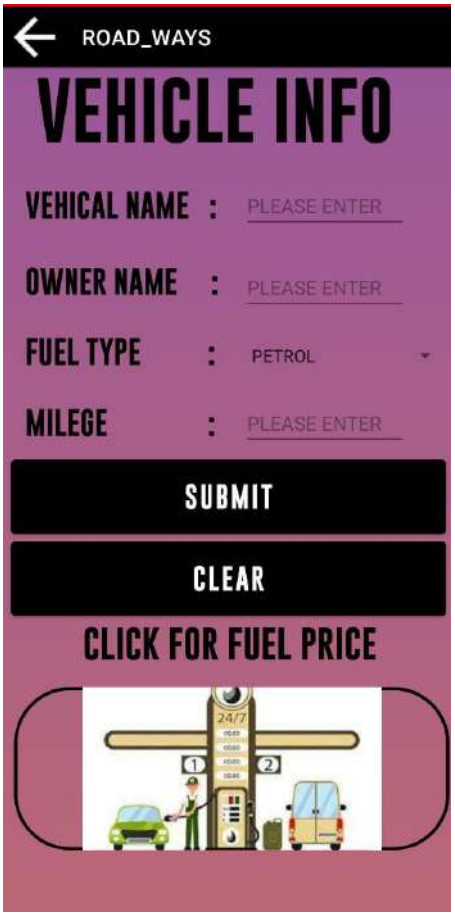
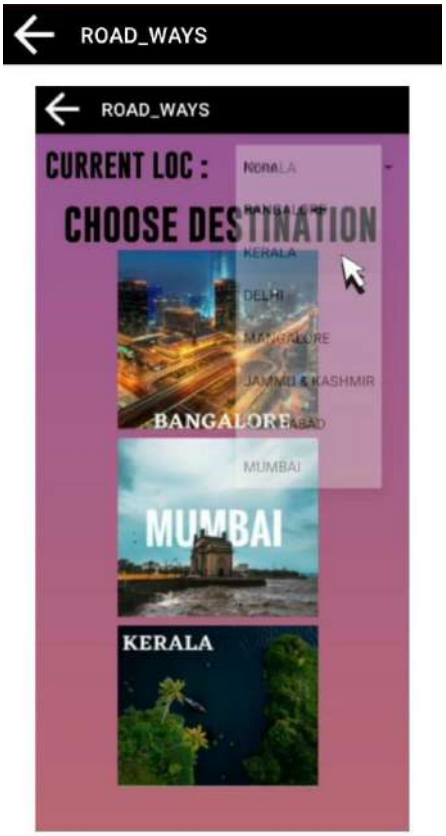
MODE OF TRANSPORT
PUBLIC TRANSPORT
PRIVATE TRANSPORT

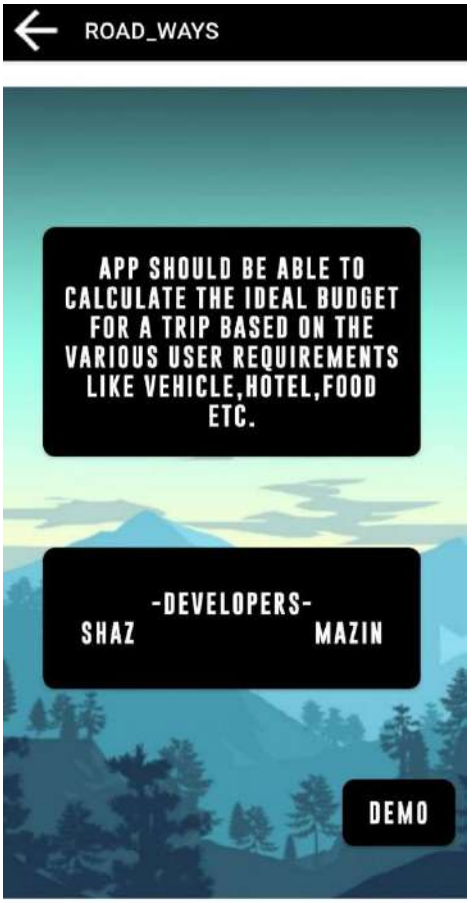

ROAD_WAYS
TRANSPORT TYPE
BUS
TRAIN
SUBMIT

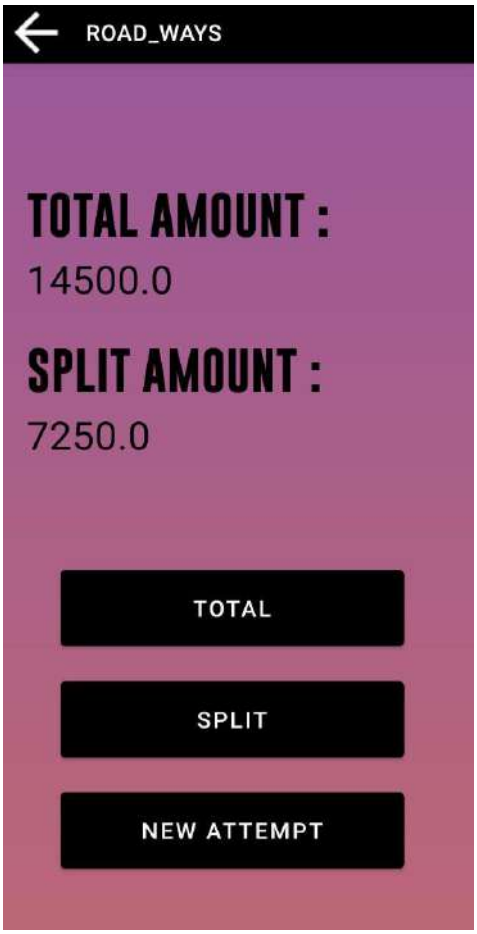

ROAD_WAYS
VEHICLE INFO
VEHICAL NAME : PLEASE ENTER
OWNER NAME : PLEASE ENTER
FUEL TYPE : PETROL
MILEGE : PLEASE ENTER
SUBMIT
CLEAR
CLICK FOR FUEL PRICE
24/7


ROAD_WAYS
DETAILS
USER'S NAME: SHAZ
DESTINATION: BANGALORE
PLACES TO VISIT: JP NAGAR
NANDI HILLS
KORAMANGALA
CURRENT LOC: KERALA
HOTEL: 5 STAR
FOOD: VEG/NON VEG
MODE OF TRANSPORT: PUBLIC TRANSPORT
TOTAL KM: 540.0
CALCULATE

,


ROAD_WAYS
ROAD_WAYS
CURRENT LOC :
CHOOSE DESTINATION
KERALA
DELHI
JAMMU & KASHMIR
BANGALORE
MUMBAI
MUMBAI
KERALA


ROAD_WAYS
APP SHOULD BE ABLE TO CALCULATE THE IDEAL BUDGET FOR A TRIP BASED ON THE VARIOUS USER REQUIREMENTS LIKE VEHICLE,HOTEL,FOOD ETC.
-DEVELOPERS-
SHAZ
MAZIN
DEMO


ROAD_WAYS
TOTAL AMOUNT :
14500.0
SPLIT AMOUNT :
7250.0
TOTAL
SPLIT
NEW ATTEMPT