

Case Study: Route Planner Mobile Application for Thinking Technologies

Client

Thinking Technologies is a leading software company established in 2005 with offices in Milan and Battipaglia (SA). It provides services like website, application, desktop application, mobile apps and rich Internet application development.

Challenges

The client required to build a mobile application that offered the following features:

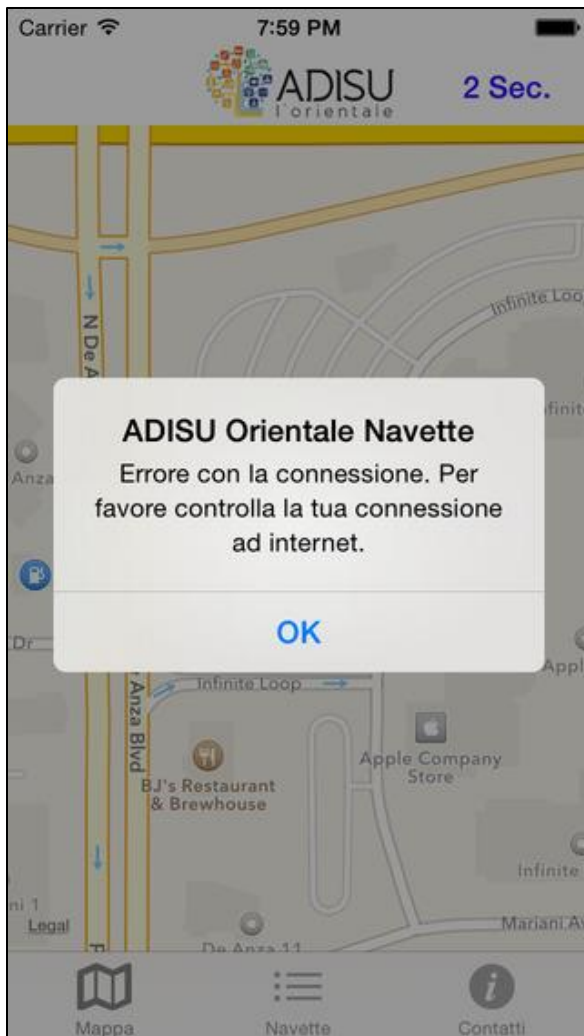
- Automate bus and route management
- Track entire school transportation operation through a single source
- Ensure safety of students by tracking location of bus at all times
- Find the best possible routes based on where students are located



Solution



ISHIR's mobility team closely studied the client's requirements and developed a mobile application enabled with the following capabilities:

- Easily manage bus and routes
- Observe where buses are travelling , where drivers are stopping and when stops are occurring
- Compare planned routes with actual GPS events
- Locate a bus anywhere, anytime
- Real time, interactive map capturing position of bus, students, color coded stops with special indicators for current time & distance between bus and student
- Easy to use for students
- View timetable for each stop to never miss the bus again
- Seamlessly integrate GPS data
- Optimize routes for time/distance
- Directory of contacts for Emergency situation

Some screenshots are given below:



Carrier  7:59 PM 

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METRO' GIANTURCO

07:35

09:20

11:05

13:50

15:35

17:20

20:05

21:50

Carrier  7:59 PM 

 **ADISU**
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Info

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Results

With the help of the route planner application, the client was able to:

- Optimize routes and stops
- Reduce mileage and fuel costs
- Reduce bus count by analyzing eligible versus real time ridership
- Reduce routing inefficiencies

Technologies: iOS & Android