

VDOT | SMARTERROADS

Hackathon

VIRGINIA BEACH

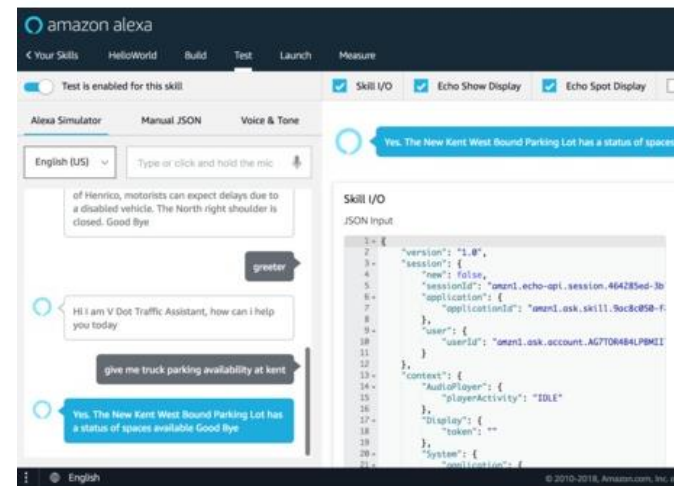


Talk DOT

This project enables users to consume traffic data and get insights through artificial intelligence and NLP (*Neuro-linguistic programming*).

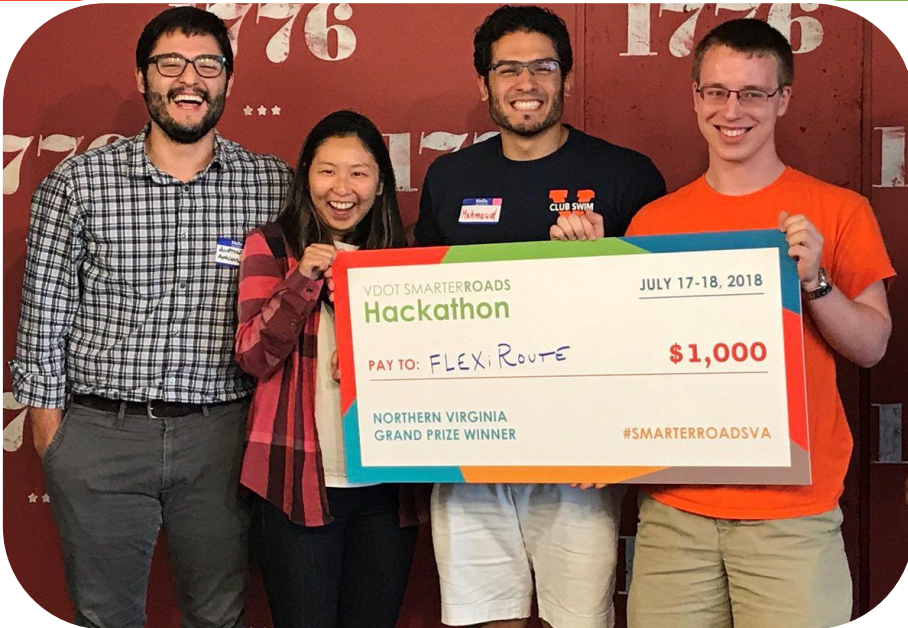
Inspiration

Availability of data sources in various places and different formats waiting to be consumed by users in an easy manner



Hackathon

NORTHERN VIRGINIA

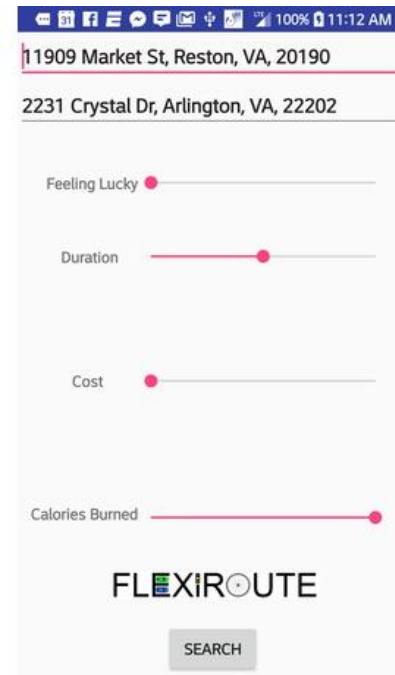


Suggestions

README.txt files or code snippets of APIs consuming the data would prove really useful in understanding how the data is intended to be understood.

FlexiRoute

A user oriented customizable route optimizer.



Hackathon

ROANOKE



What We learned

We learned how to develop an Android app using Android Studio. We also both improved our skills in java and learned the basics of xml.

EZ Speed

Android app designed to audibly tell the user the speed limit of the road they are on.

```
// again++;
SmartLocation.with(getBaseContext()).location().start(new OnLocationUpdatedListener() {
    //Override
    public void onLocationUpdated(Location location) {
        String lat = String.valueOf(location.getLatitude());
        String lon = String.valueOf(location.getLongitude());
        String latlon = lat + " , " + lon;
        //ToastLong(latlon);

        SmartLocation.with(getBaseContext()).geocoding().reverse(location, new OnReverseGeocoding
            //Override
            public void onAddressResolved(Location location, List<Address> addresses ) {
                if (addresses != null && addresses.size() > 0) {
                    Address address = addresses.get(0);
                    // Thoroughfare seems to be the street name without numbers
                    String street = address.getThoroughfare();

                    if (Example.prev_street.equals(street)) {

                        System.out.println("f");

                    }

                    else{
                        ToastLong(street);
                        readSpeedData(street);
                    }
                }
            }
        });
    }
});
```


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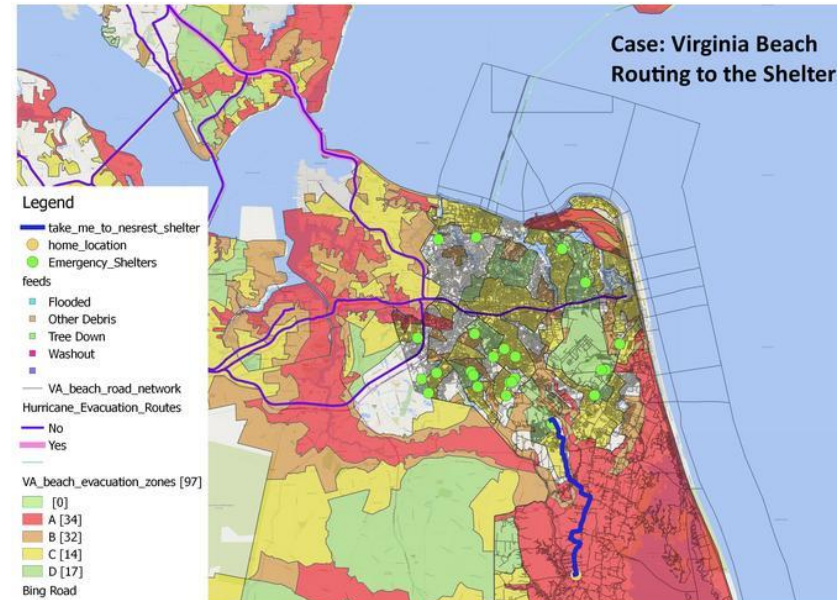
Hackathon

FREDERICKSBURG



EEvacPlan

All-in-one dashboard/app for emergency evacuation.



Challenges we ran into

Summarizing the problem and solution in 5 minutes.

Accomplishments that we're proud of
Illustrate our ideas through conceptual maps and dashboard.