



TECHNISCHE
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Application Development for Mobile and Ubiquitous Computing

PokeReport

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09.12.2016

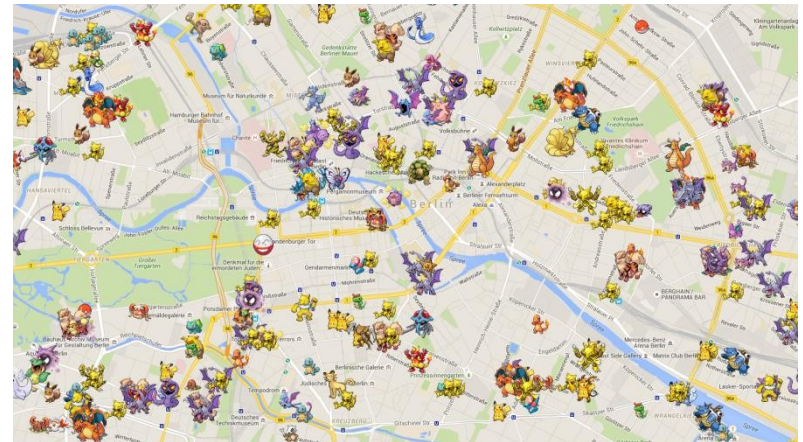


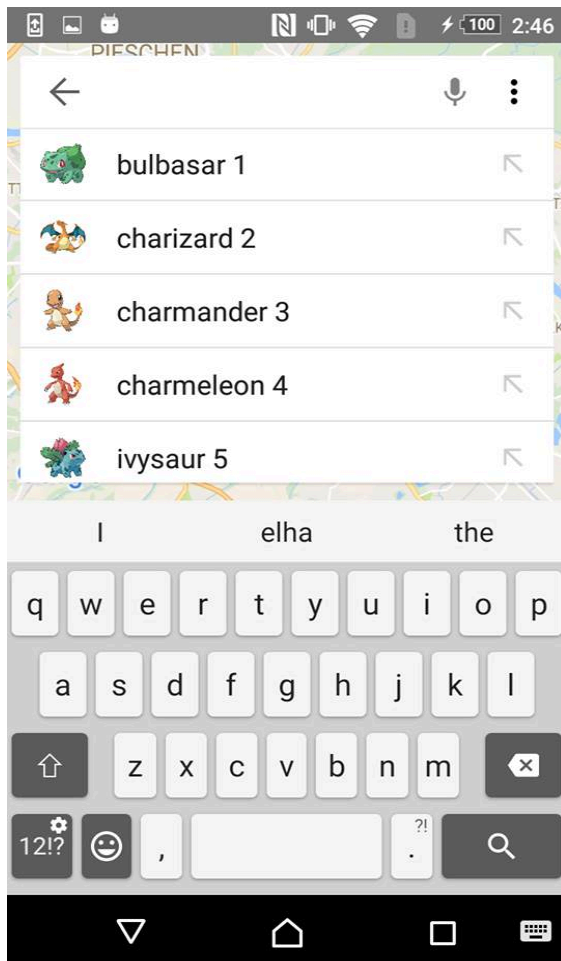
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Gotta catch `em all

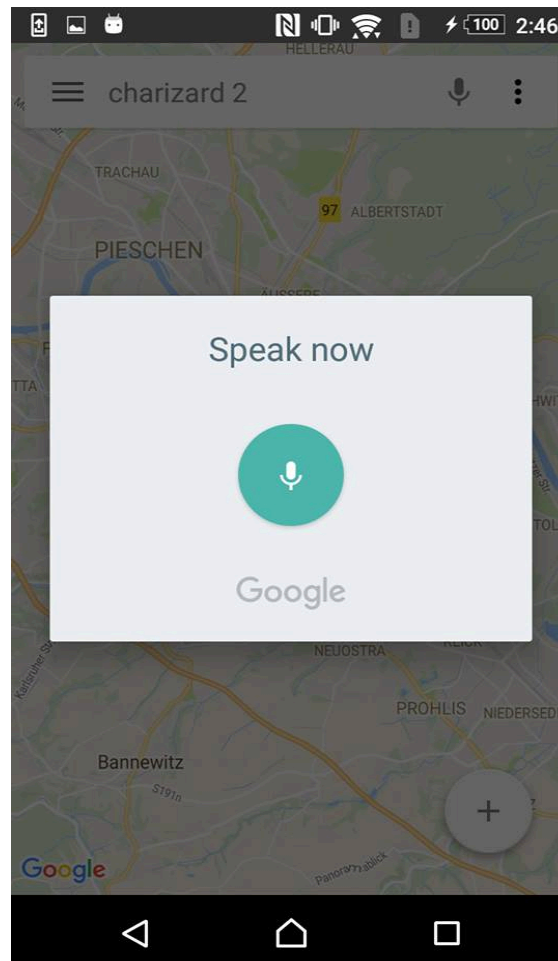
Curious to catch all the pokemons but do not know where to find them?

PokeReport is here for helping all the Pokemon enthusiasts who want to give and get the most accurate pokemon locations.

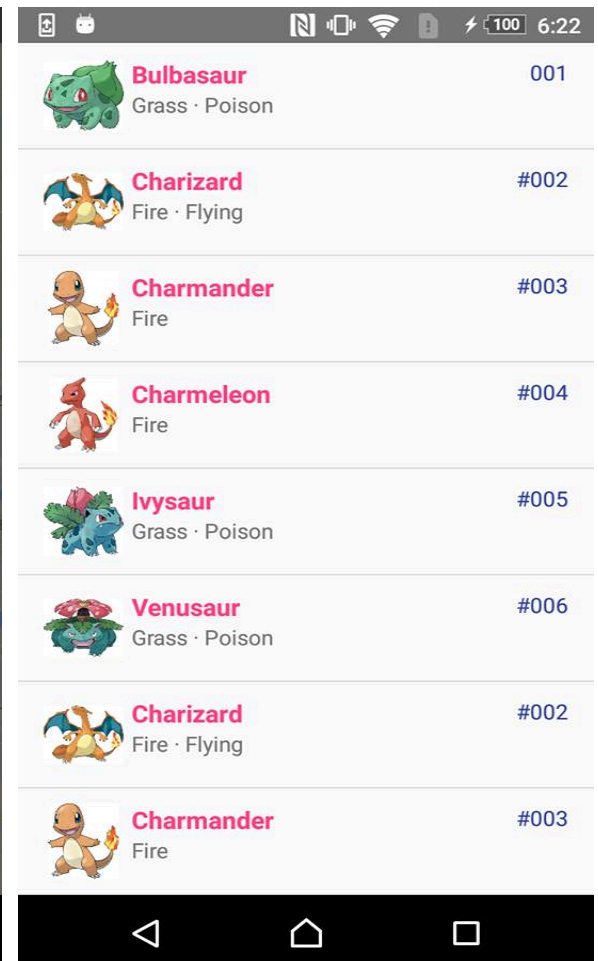




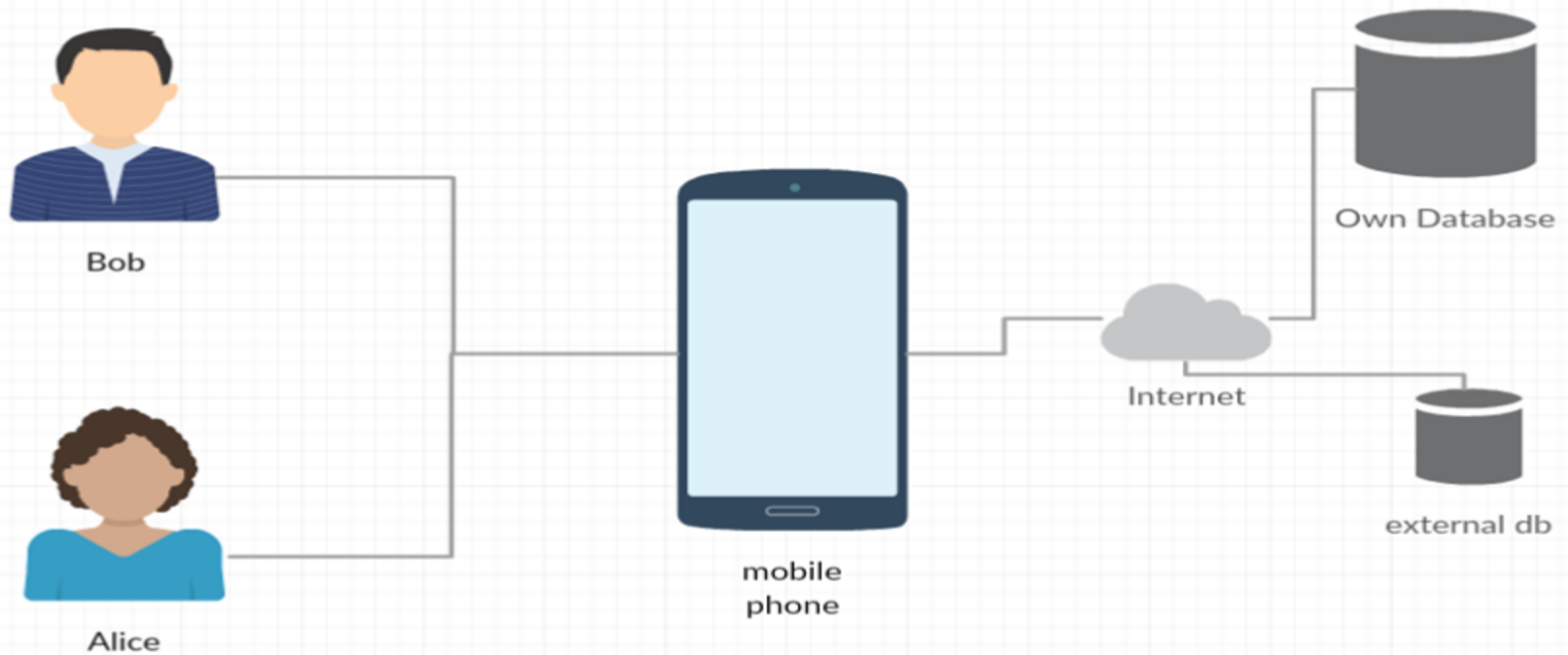
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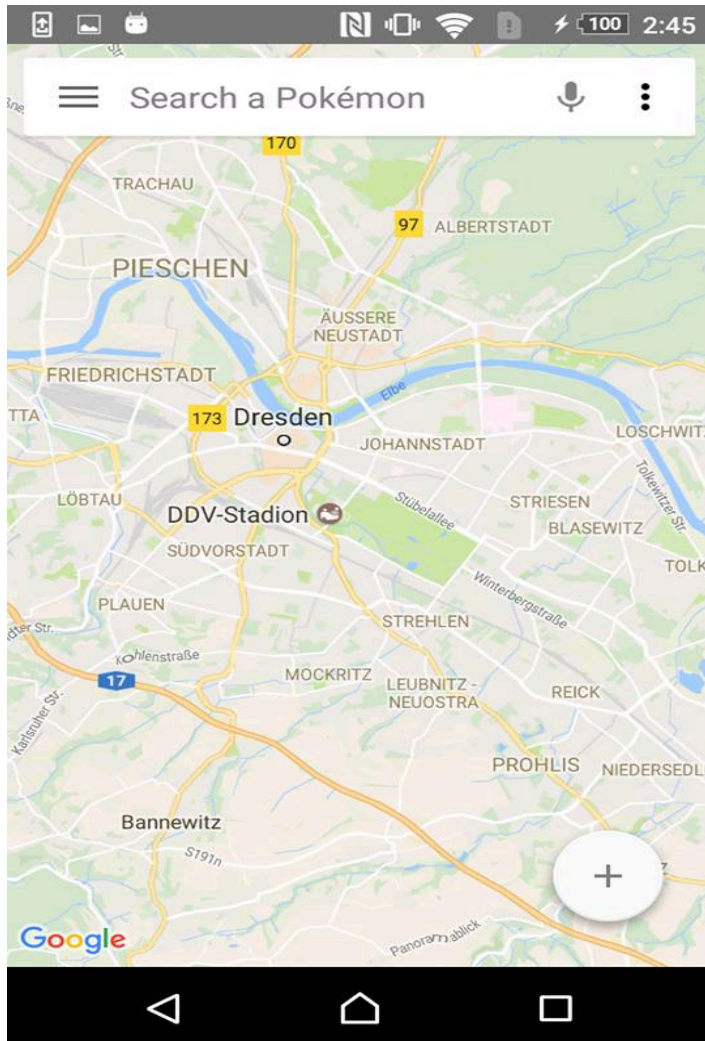


Folie Nr. 3 von 10

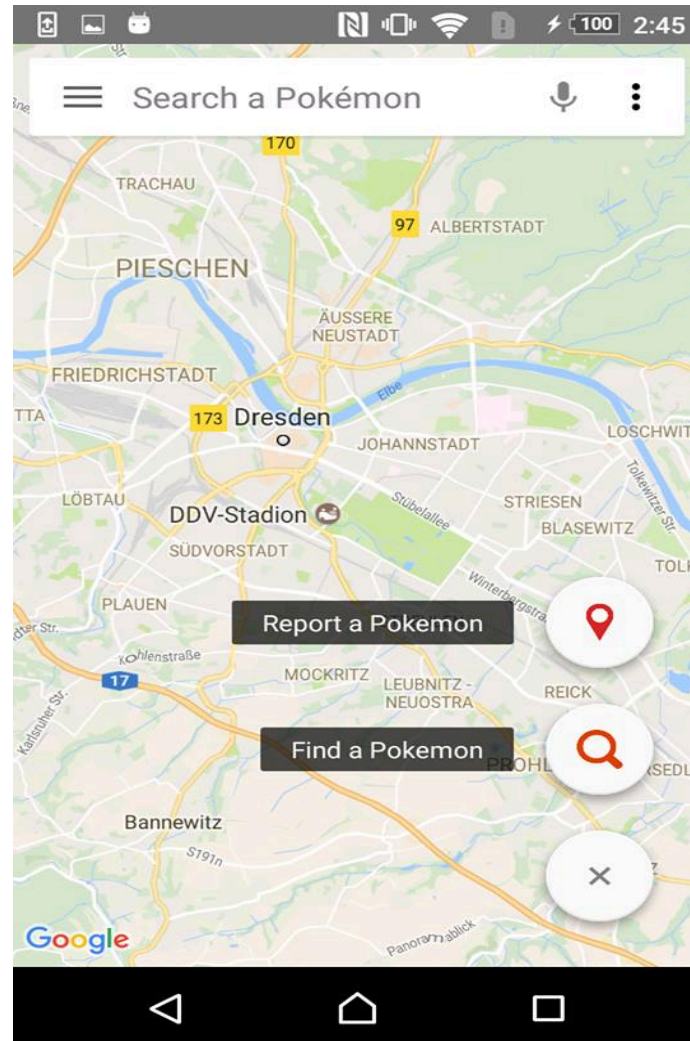


Energy Challenge

- Limit the dropdown options(search result options) based on the user's device battery.



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Technical context (Connectivity):

In case of poor network connectivity, show only the pokemon name.

```
ConnectivityManager cm = (ConnectivityManager)
context.getSystemService(Context.CONNECTIVITY_SERVICE);
NetworkInfo info = cm.getActiveNetworkInfo();
//check info.getType() (wifi or mobile)
//check info.getSubtype() (connection speed)
```

Physical context (Current location):

Show the current location on the map

```
LocationManager locationManager = (LocationManager)
getSystemService(Context.LOCATION_SERVICE);
```

Reducing data by Filtering :

- Confine your search options to a distance from the list provided.

Reducing data volume:

- Download the images only when the user is on Wifi or LTE.
No download on data roaming.

- Android Studio 2.2.1
- Google Maps API
- JSOUP Parser
- REST
- Google Firebase(Database)



ANDROID



{ REST }



