



Application Development for Mobile and Ubiquitous Computing

Seminar Task

Final Presentation

GroupNo.8

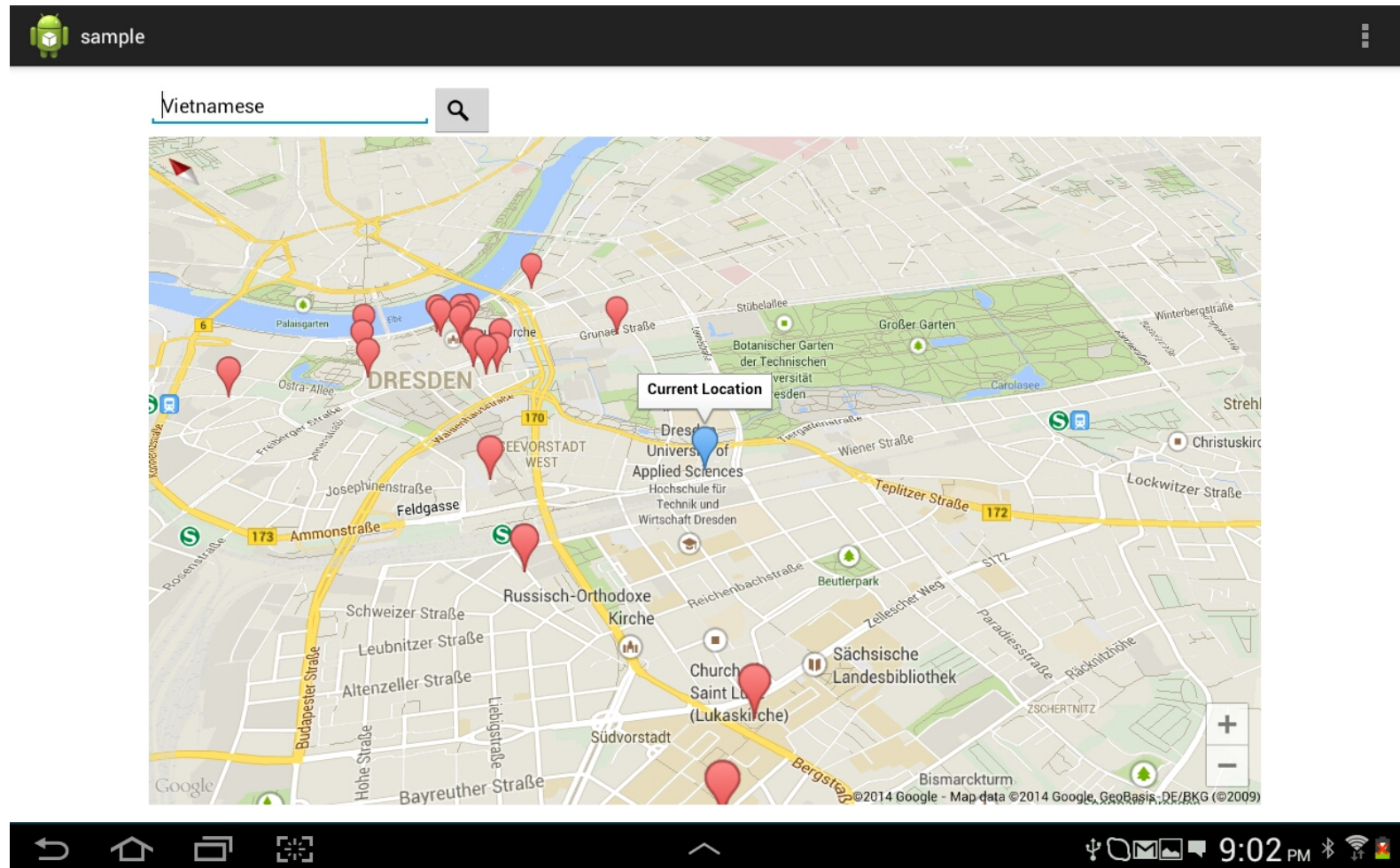
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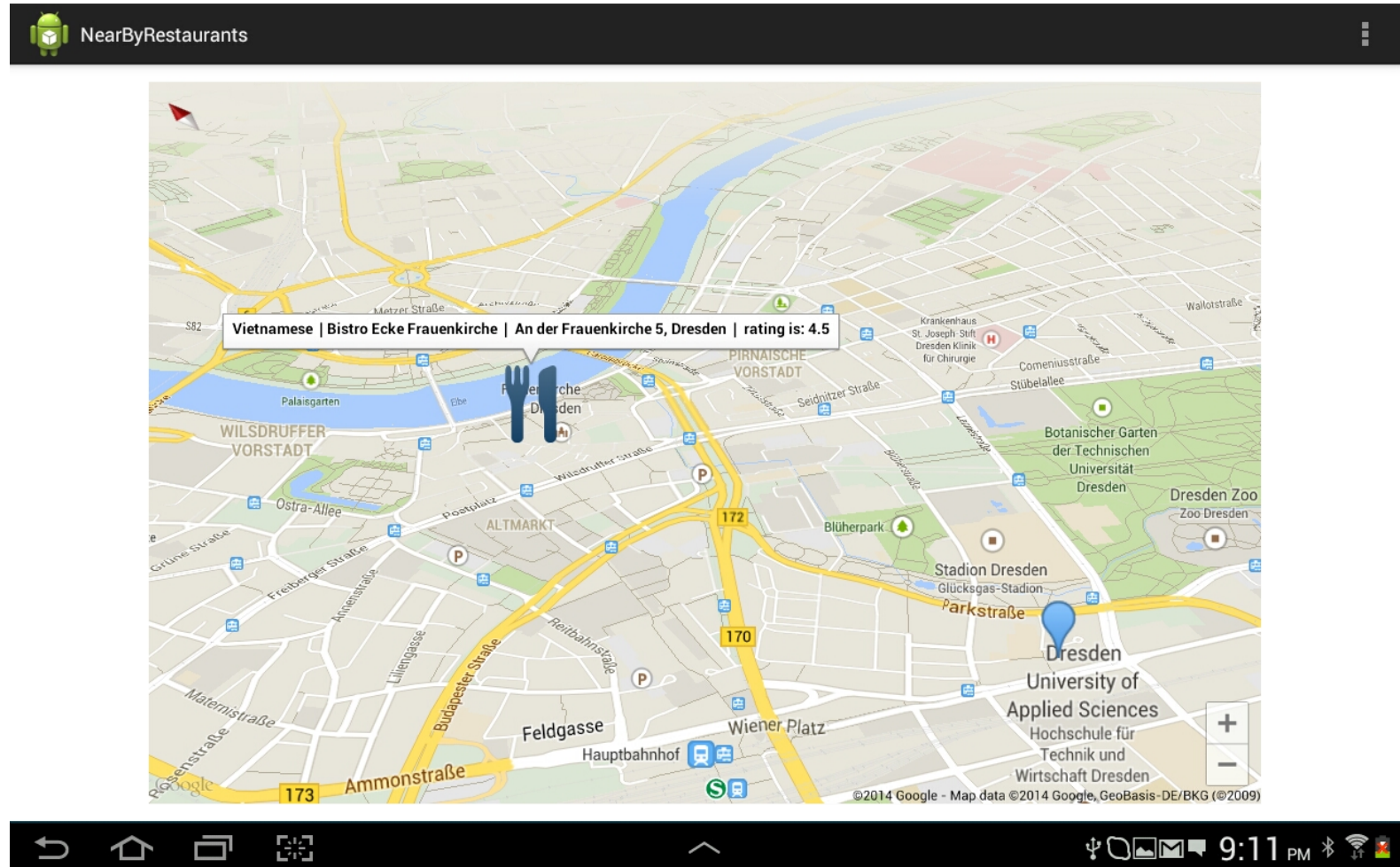
- It is Location-based service
- Finding the restaurants around based on nationality.
- Showing some detailed information about each restaurant.

- In the first view after opening the application, The user is able to see the near by restaurants.
- If he is not interested in those restaurants, he can type the nationality of the restaurant.
- In the second activity, the restaurants based on the chosen nationality are shown, by clicking on each restaurant, the name, address, nationality and rating of the restaurant is shown.

- **First step:** accessing the Google places Api by getting an Api key and sending the request to Google places Api, receiving the result in Json format.
- **Second step:** parsing the Json result and marking the result on the map and also sending the result to the second activity.
- **Third step:** accessing the foursquare Api by getting a secret ID and client ID and sending the request to foursquare Api and receiving the result in Json format.

- **Fourth step:** parsing the Json result to see which restaurant has the same nationality as what user has chosen, If such a restaurant exist in nearby, will head to next step.
- **Fifth step:** comparing the latitude and longitude of the found restaurant and check it with all the latitudes and longitudes that were found by Google Api in a reasonable interval. If the latitude and longitude was almost in the same range, the restaurant is marked on the map and all the other information related to that restaurant are shown.





- Awareness of Geological position
- Accessible from any android device

Pitfalls:

- The nationality of some restaurants are not included in Foursquare Api and some restaurants are in Foursquare while they are not in Google Api, so combining these two Apis, don't give the exact result sometimes.

Experiences:

- Since It was our first experience in mobile developing, we had to start from scratch.
- Working with the Apis and parsing the Json results were the main important experiences. Combining the results of the Apis was another thing that we had to tackle with.