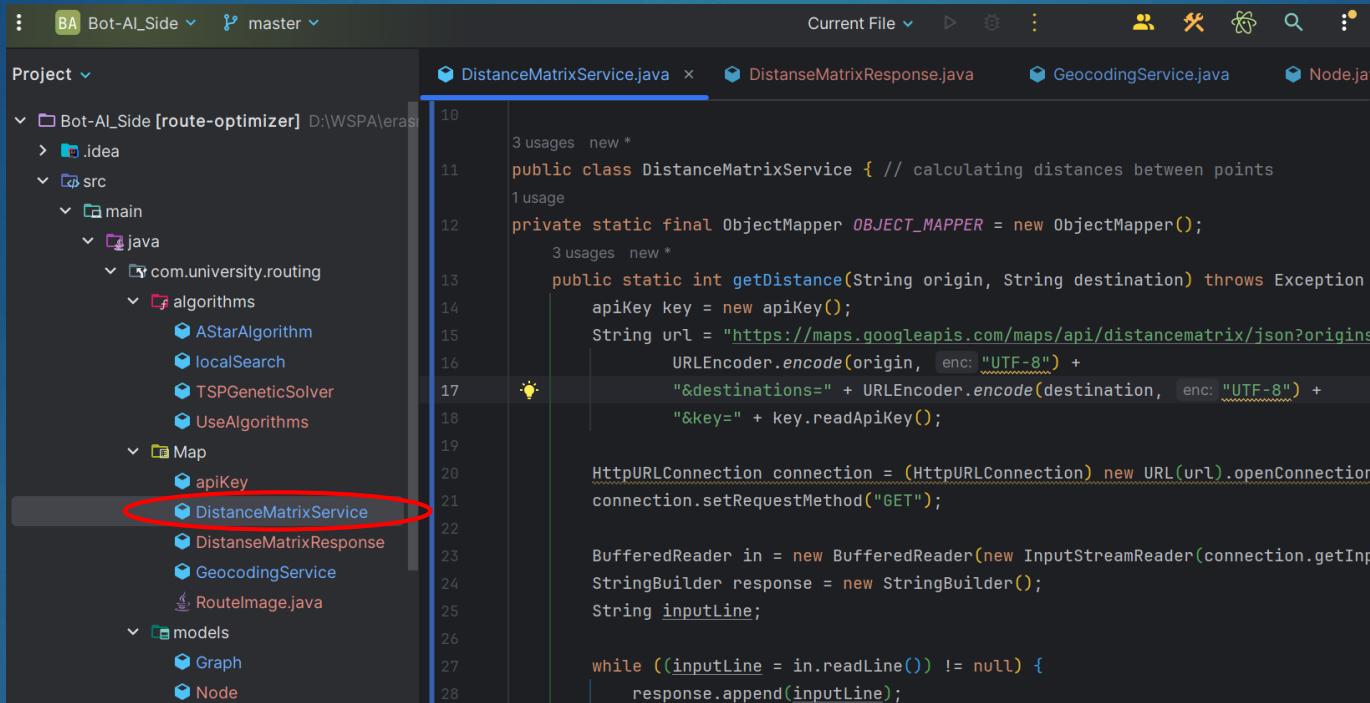


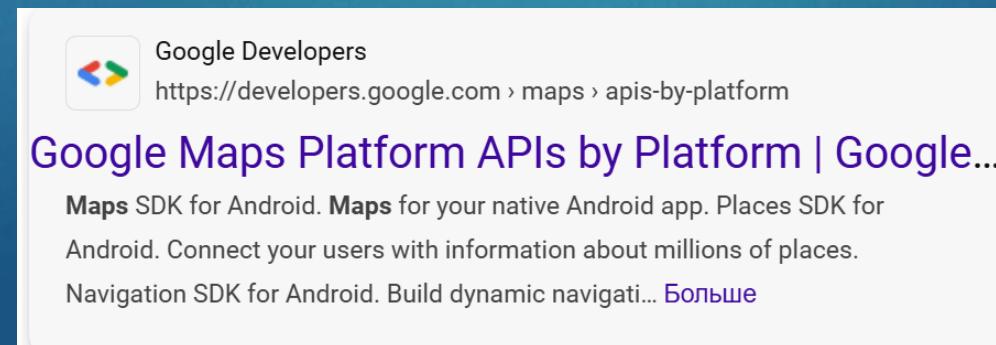
Algorithm side

Based on the coordinates obtained, we get the distance between the real addresses in the DistanceMatrixService class.



```
10    3 usages new *
11    public class DistanceMatrixService { // calculating distances between points
12        1 usage
13        private static final ObjectMapper OBJECT_MAPPER = new ObjectMapper();
14        3 usages new *
15        public static int getDistance(String origin, String destination) throws Exception {
16            apiKey key = new apiKey();
17            String url = "https://maps.googleapis.com/maps/api/distancematrix/json?origins=" +
18                URLEncoder.encode(origin, enc: "UTF-8") +
19                "&destinations=" + URLEncoder.encode(destination, enc: "UTF-8") +
20                "&key=" + key.readApiKey();
21
22            HttpURLConnection connection = (HttpURLConnection) new URL(url).openConnection();
23            connection.setRequestMethod("GET");
24
25            BufferedReader in = new BufferedReader(new InputStreamReader(connection.getInputStream()));
26            StringBuilder response = new StringBuilder();
27            String inputLine;
28
29            while ((inputLine = in.readLine()) != null) {
30                response.append(inputLine);
31            }
32
33            return Integer.parseInt(response.toString());
34        }
35    }
```

We also get the distance using the Google Maps Platform APIs service.



Google Developers
<https://developers.google.com/maps/apis-by-platform>

Google Maps Platform APIs by Platform | Google...

Maps SDK for Android. Maps for your native Android app. Places SDK for Android. Connect your users with information about millions of places. Navigation SDK for Android. Build dynamic navigati... [Больше](#)