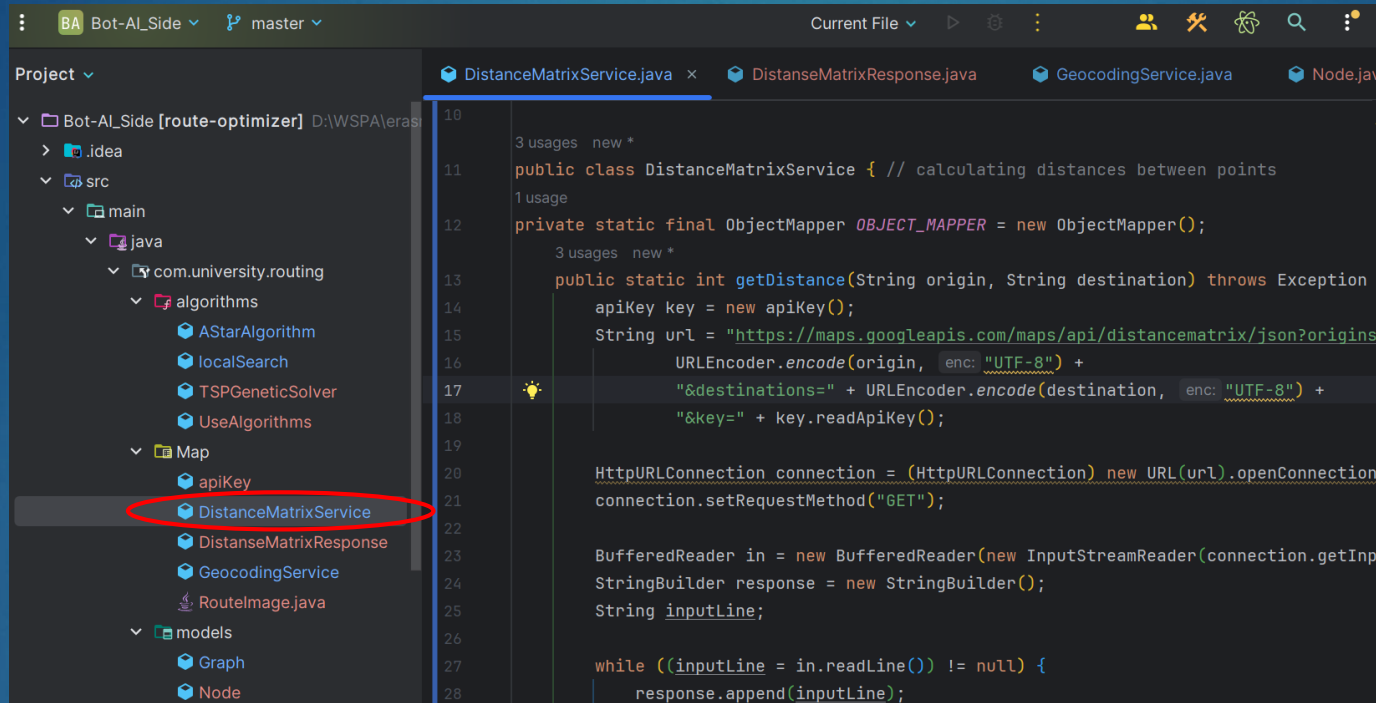


Algorithm side

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



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

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](#)