

Procedures

User's Procedures

1. Open MyLocator mobile application.
2. Select your preferred starting and ending locations.
3. Select your preferred mode of transport.
4. It gives a distance as walkable if it is less than three kilometers.
5. It shows all the distances along with the time it takes as a snippet above the destination.
6. It will also show if any transit like bus or train is available, and if available, it shows the nearest transit from source location.

Application's Procedure

1. Uses editTexts as input fields for user input of from and to locations.
2. Upon clicking the next button, opens a map activity.
3. Receives both the values of text fields as input from previous activities.
4. Converts those addresses into latitude and longitude pairs using Geocoding.
5. Uses google distance api to check distance between source and destination.
6. If the distance is less than three kilometers, it shows walking is preferred as a toast.
7. It then calculates directions using google direction api and sends an http request to the server.
8. It sends different requests for driving, walking and transits as we cannot attach more than one mode in a single request.
9. It adds the markers to map for source and destination, and shows time taken and total distance as a snippet.
10. It uses polyline to decode the encoded path and show it.