Improvements

1. An uber API can be included so that users can look at uber prices directly from the application.
2. Similarly, an OLA API can also be added for the same purposes.
3. StreetView can be added to the application so that the user can look at streets and can locate their destination through their mobile phones.
4. A schedule update can be taken into consideration such that, if a user uploads his/her schedule on our database, the schedule is automatically processed and the directions are received. This can become the USP for our application.
5. Taxi and autorickshaw fares along with all the comparisons can be added to the application.
6. The logic for walking can be improved. Currently, it is based on the health issue that if the distance is less than three kilometers, then it is preferable to walk. Google had its own walking preference but the mechanism of calculation is unknown to me, hence I did not adopt it.

Constraints

1. As the map activity uses polyUtil class, hence we need to take permissions from apache for its usage.
2. The app is supported by android 6.0(Marshmallow) and above(SDK version is 26 and above)
3. The application need to get the user's location, along with internet.
4. As this is a Minimum Viable Prototype(MVP), it does not have auto adjustment with screen.
5. The fares of autos and taxi depends heavily on city. The rate of Mumbai and the rate of Delhi is different.
6. The total number of requests sent to server per search is 5 (2 for converting addresses into latitude and longitude and 3 for getting results). As we have a limitation of having 50 requests per second, with our current plan, only 10 users can request at the same time. Our application cannot support more than 10. Also as the maximum request is 2500 per day, we can only allow users to make 500 requests as per our current plan.