Delhi Metro Traveller

Delhi Metro Traveller helps you to find all relevant paths and fare between two stations with nearby tourist attractions, malls, parking and toilets.
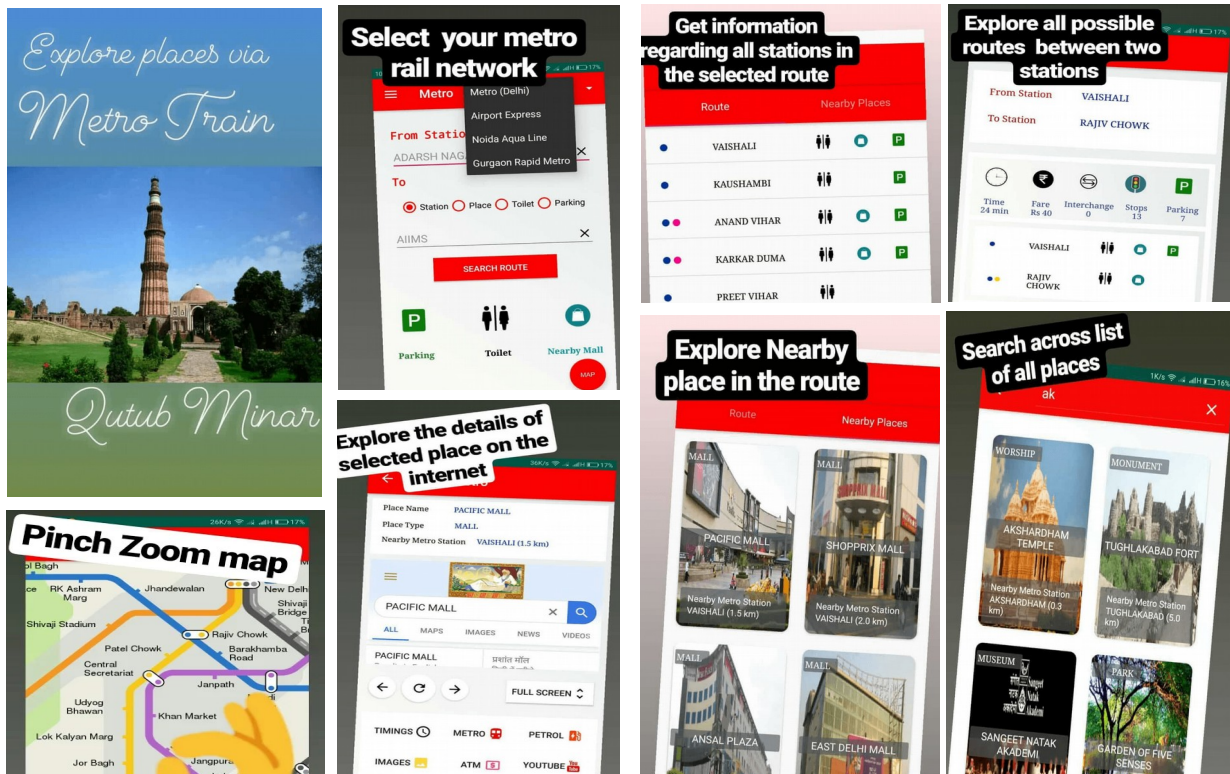
Features:

- Select the metro network between Delhi, Noida (Aqua Line), Airport Express line and Gurugram Rapid Express Metro.
- Find all relevant routes between two stations.
- Search Toilets and Parking from a given selected stations.
- Web Browser utility to search across tourist places and nearby malls.
- Metro Map.

Failed to convert it into an UBER of travel agent as the cost of hiring a travel agent > the cost of travel itself in the Indian geographical context. Market earlier version of this app to 10,000 user base in 2-3 months but lost it due to key store issues. Invented algorithms to find out various metro train paths, routes, nearby washroom efficiently using combination of depth limit search and Dijkstra in graph.
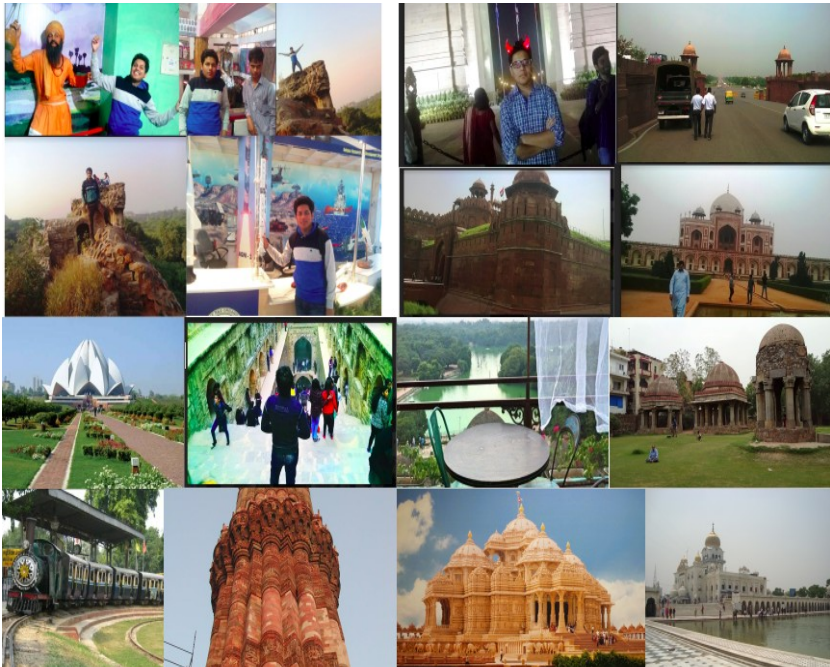
Skills : Graph algorithms. (Dijkstra and depth limit search modifications), UI/UX ,Java, Android, SQLite, JSON, Espresso, VCS (Git), SeleniumPy (Web scraping)

Playstore Link : https://play.google.com/store/apps/details?id=com.yash.dmrc
Github Link : https://github.com/yashp241195/DelhiMetro

Motivation

I wish to travel throughout 192 countries so I began with the concept of journey planner app which helps me to travel by sugessting the sequence of places to visit in order to get the best experience within minumum amount of time and cost. So, I started my journey from my current location (Delhi). I realised that during the travel public toilets are not very hygienic and possess the potential to ruin all the experience of travel if one is interested to travel alone from morning till night like me.

The first tangible implementation of such thing is to build a delhi metro app with features such as nearby toilets, parking and list of tourist places and shopping malls available in the route. The basic idea was that app will tell me if I am located at Rajiv Chowk metro station then it will suggest me to visit nearby places like Jantar Mantar, Bangla Sahib, Cannought place etc.

Learning Outcomes

- If I don't know about Shah Jahan I will get no real exprience or essence of Lal Quila even after staying inside the Quila (Fort) for years. It made me realised all human experiences happens within through senses and richness of experience depends upon my connection with associated story about the place. Travelling to 192 countries is not fulfilling if done without purpose.

- I really wish to finish this app but no matter what I did there was always something to add or modify. After developing the app for 12 times within 3 years (irregularly). I investigated everywhere and found pager is complete (no one is evolving it further) but it is also not useful and realised every complete thing is also labelled as dead or not useful which lead to the realisation of the fundamental truth "Nothing complete only evolves". Everything we label as useful is going through constant evolution and even the dumbest idea could be evolved into a great billion dollar idea if one possess strong fundamental knowledge about economy, philosophy and human behaviour. It is not about what could be done but it is more about what you can do or contribute. The right question was not " how to finish this app" but to ask "how to maintain it's it relevancy". Asking the right questions is the paramount or above everything in order to accomplish anything.

- People can give you any kind of feedback, you can't take it personally. It is impossible to take the absolute right decision the only thing you can do is to figure out the more right available for your product with your knowledge. The real question is "Is your knowledge able to produce impact at the given time". Pager made it's impact at it's time but not relevant right now so your domain knowledge need to be upto date if you wish to create something impactful.