BLOCK PROJECT 2

# **Contributors**

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## **Design description**

Our design is a simple journey planner that will allow the user to input and search their desirable destination. We have located London Underground service that operates two tube lines which are District line & Central line. The following stations are as follows

District line

* Paddington
* Notting hill gate
* West Kensington

Central line

* Ealing broadway
* Notting hill gate
* Queens way

Talking about the map design, we have included altogether five stations (station A, B, C, D & E) where station B is the common point.

Station A = Paddington (District line)

Station B = Notting hill gate (Central line & District line)

Station C = Queens way (Central line)

Station D = Kensington way (District line)

Station E = Ealing broadway (Central line)

Below is the representation of our tube lines and connections

Letter

Description automatically generated

# **Data Structures for our program**

The data structure we used to support our program are

* Set
* List
* Vectors
* Loop

Here is a glimpse of our code using above data structures

Graphical user interface, text, application

Description automatically generated

We also added the Graphical User Interface (GUI) for our project. We started with the 250 by 250 size frame; we also added the canvas feature to give it an extra touchup. Below you can see the code of our GUI.Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, chat or text message

Description automatically generated

This is what users will see the outputs based on their inputs.

Graphical user interface, text, application

Description automatically generated

We would like you to try and run our program by yourself. ;)

Yours sincerely,

Sameer Limbu, Barun Gurung & Saroj Rasaily