User Manual

1. Setup the app
   1. Make sure everything is under the same folder
   2. Open datagrip
   3. Open pgadmin4
      1. I used 5433 as localhost, it may vary depends on pc since 5432 does not work on mine
   4. Make sure you have “postgresql-42.2.5.jar” under the same folder
2. Compile
   1. Open termianl
   2. Go to the folder
   3. Run “javac -cp postgresql-42.2.5.jar p3.java” to compile
   4. Run “java -cp postgresql-42.2.5.jar:. p3 0” to run the program
3. Login
   1. Make sure to type in the correct username and password to login
   2. If your password or/and username were wrong login would fail
4. Using it
   1. After successfully logged in, you could see a bunch of options
5. Options
   1. Add passenger
      1. Type 1 to add
      2. It will ask for name and address, enter the data that the system asked
      3. The system will automatically assign a new ID to the new passenger
      4. The new ID will be displayed on the screen
   2. Update passenger
      1. Type 2 to update
      2. It will ask for the passenger ID
      3. Then it will print the passenger info to make sure you are changing what you wanted
      4. Then it will ask for info, type in the info to update
      5. If successfully updated, “UPDATED!” will be shown
   3. View a passenger
      1. Type 3
      2. It will ask for the ID
      3. Then it will return the passenger info
   4. Single route search
      1. Type 4
      2. It will ask for info it needed
      3. All valid routes will be returned
   5. Combine route search
      1. Type 5
      2. It works like single search
   6. Trains pass through a specific station
      1. Type 6
      2. Give it info it asked
      3. It will return trains that pass that station
   7. Routes that cross multi rails
      1. Type 7
      2. It will return all info needed
   8. Similar routes
      1. Type 8
      2. Give it a valid route
      3. It will return all similar routes (different by at least one station)
   9. Stations that all trains pass through
      1. Type 9
      2. It will return the train ids
   10. Does not stop at a specific station
       1. Type 10
       2. Give it a station
       3. It will return a series of train ids
   11. Pass percentages
       1. Type 11
       2. Give it a number, % is not needed
       3. It will return all routes with stop percentages greater that that
   12. Display a route
       1. Type 12
       2. Give it a valid route
       3. It will return the time and train info on that route
   13. Find seats availability
       1. Type 13
       2. Give it the info it asked
       3. It will give all available trains based on the info given
6. Exit
   1. Type 14
   2. The system will exit