







```
1 jetbrains\annotations\13.0\919f0dfe192fb4e063e7dacadee7f8bb9a2672a9\annotations-13.0.jar;C:\Users\Joshua\gradle\caches\modules-2\files-2.1\org.jetbrains.kotlin\kotlin-stdlib-jdk7\1.9.0\f320478990d05e0cfadd74f9619fd6027adb37\kotlin-stdlib-jdk7-1.9.0.jar;C:\Users\Joshua\.gradle\caches\modules-2\files-2.1\androidx.annotation\annotation-jvm\1.6.0\7257339a052df0f91433cf9651231bbb802b502\annotation-jvm-1.6.0.jar;C:\Users\Joshua\.gradle\caches\modules-2\files-2.1\androidx.arch.core\core-common\2.2.0\5e1b8b1dff5f52c56a8d53b18ca759c19a301f3\core-common-2.2.0.jar;C:\Users\Joshua\.gradle\caches\modules-2\files-2.1\androidx.lifecycle\lifecycle-common\2.6.2\10f354fdb64868baecd67128560c5a0d6312c495\lifecycle-common-2.6.2.jar;C:\Users\Joshua\.gradle\caches\modules-2\files-2.1\org.jetbrains.kotlinx\kotlinx-coroutines-android\1.6.4\f955fc8b2ad196e2f4429598440e15f7492eeb2b\kotlinx-coroutines-android-1.6.4.jar;C:\Users\Joshua\.gradle\caches\modules-2\files-2.1\org.jetbrains.kotlinx\kotlinx-coroutines-core-jvm\1.6.4\2c997cd1c0ef33f3e751d3831929aeff1390cb30\kotlinx-coroutines-core-jvm-1.6.4.jar;C:\Users\Joshua\.gradle\caches\modules-2\files-2.1\androidx.collection\collection\1.1.0\f27220b47669781457de0d600849a5de0e89909\collection-1.1.0.jar;C:\Users\Joshua\.gradle\caches\modules-2\files-2.1\androidx.resource\resourceinspection\resourceinspection-annotation\1.0.1\8c21f8ff5d96d5d52c948707f7e4d6caa6773feef\resourceinspection-annotation-1.0.1.jar MainKt
```

2

3 Menu:

- 4 1. Add Driver
- 5 2. Add Rider
- 6 3. Request Ride
- 7 4. Display Drivers
- 8 5. Display Riders
- 9 6. Rate Driver
- 10 7. Exit

11 Choose an option: 1

12 Enter driver's name:  
13 adeem

14 Enter driver's location (latitude and longitude):  
15 20.7128 -50.0060  
16 Driver adeem added.

17

18 Menu:

- 19 1. Add Driver
- 20 2. Add Rider
- 21 3. Request Ride
- 22 4. Display Drivers
- 23 5. Display Riders

```
24 6. Rate Driver
25 7. Exit
26 Choose an option: 1
27 Enter driver's name:
28 alice
29 Enter driver's location (latitude and longitude):
30 23.7128 -53.0060
31 Driver alice added.
32
33 Menu:
34 1. Add Driver
35 2. Add Rider
36 3. Request Ride
37 4. Display Drivers
38 5. Display Riders
39 6. Rate Driver
40 7. Exit
41 Choose an option: 1
42 Enter driver's name:
43 bob
44 Enter driver's location (latitude and longitude):
45 28.7128 -58.0060
46 Driver bob added.
47
48 Menu:
49 1. Add Driver
50 2. Add Rider
51 3. Request Ride
52 4. Display Drivers
53 5. Display Riders
54 6. Rate Driver
55 7. Exit
56 Choose an option: 2
57 Enter rider's name:
```

```
58 joshua
59 Enter rider's current location (latitude and longitude):
60 20.7128 -40.0060
61 Enter rider's destination location (latitude and longitude):
62 19.7128 -47.0060
63 Rider joshua added.
64
65 Menu:
66 1. Add Driver
67 2. Add Rider
68 3. Request Ride
69 4. Display Drivers
70 5. Display Riders
71 6. Rate Driver
72 7. Exit
73 Choose an option: 2
74 Enter rider's name:
75 darab
76 Enter rider's current location (latitude and longitude):
77 30.7128 -60.0060
78 Enter rider's destination location (latitude and longitude):
79 28.7128 -57.0060
80 Rider darab added.
81
82 Menu:
83 1. Add Driver
84 2. Add Rider
85 3. Request Ride
86 4. Display Drivers
87 5. Display Riders
88 6. Rate Driver
89 7. Exit
90 Choose an option: 2
91 Enter rider's name:
```

```
92 meeras
93 Enter rider's current location (latitude and longitude):
94 20.7128 -40.0060
95 Enter rider's destination location (latitude and longitude):
96 22.7128 -52.0060
97 Rider meeras added.

98
99 Menu:
100 1. Add Driver
101 2. Add Rider
102 3. Request Ride
103 4. Display Drivers
104 5. Display Riders
105 6. Rate Driver
106 7. Exit
107 Choose an option: 4
108 -----
109 | Driver Name | Availability | Rating | Location |
110 -----
111 |adeem   | Available  | 5.0  |(20.7128, -50.006)|
112 |alice    | Available  | 5.0  |(23.7128, -53.006)|
113 |bob      | Available  | 5.0  |(28.7128, -58.006)|
114 -----
115
116 Menu:
117 1. Add Driver
118 2. Add Rider
119 3. Request Ride
120 4. Display Drivers
121 5. Display Riders
122 6. Rate Driver
123 7. Exit
124 Choose an option: 6
125 Enter driver's name to rate:
```

```
126 bob
127 Enter a rating (1-5):
128 4
129 bob's new rating is 4.5
130
131 Menu:
132 1. Add Driver
133 2. Add Rider
134 3. Request Ride
135 4. Display Drivers
136 5. Display Riders
137 6. Rate Driver
138 7. Exit
139 Choose an option: 6
140 Enter driver's name to rate:
141 alice
142 Enter a rating (1-5):
143 3.5
144 alice's new rating is 4.25
145
146 Menu:
147 1. Add Driver
148 2. Add Rider
149 3. Request Ride
150 4. Display Drivers
151 5. Display Riders
152 6. Rate Driver
153 7. Exit
154 Choose an option: 4
155 -----
156 |Driver Name | Availability | Rating | Location |
157 -----
158 |adeem   | Available  | 5.0  | (20.7128, -50.0006)|
159 |alice    | Available  | 4.25 | (23.7128, -53.0006)|
```

160 | bob | Available | 4.5 | (28.7128, -58.006) |

|-----|

162

163 Menu:

164 1. Add Driver

165 2. Add Rider

166 3. Request Ride

167 4. Display Drivers

168 5. Display Riders

169 6. Rate Driver

170 7. Exit

171 Choose an option: 5

|-----|

172 | Rider Name | Request Status | Current Location | Destination |

173 |-----|

174 |-----|

175 | joshua | In Queue | (20.7128, -40.006) | (19.7128, -47.006) |

176 | darab | In Queue | (30.7128, -60.006) | (28.7128, -57.006) |

177 | meeras | In Queue | (20.7128, -40.006) | (22.7128, -52.006) |

|-----|

178

|-----|

179

180 Menu:

181 1. Add Driver

182 2. Add Rider

183 3. Request Ride

184 4. Display Drivers

185 5. Display Riders

186 6. Rate Driver

187 7. Exit

188 Choose an option: 3

189 Enter rider's name to request a ride:  
meeras

|-----|

190

191 Ride Assigned: meeras -> adeem

192 Distance to Destination: 1259.0596099478976 km

193 Estimated Time: 50.3623843979159 hours

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194
195    Menu:
196    1. Add Driver
197    2. Add Rider
198    3. Request Ride
199    4. Display Drivers
200    5. Display Riders
201    6. Rate Driver
202    7. Exit
203    Choose an option: 4
204 -----
205    | Driver Name | Availability | Rating | Location |
206 -----
207    | adeem      | Unavailable | 5.0  | (20.7128, -50.006) |
208    | alice       | Available   | 4.25 | (23.7128, -53.006) |
209    | bob         | Available   | 4.5  | (28.7128, -58.006) |
210   -----
211
212    Menu:
213    1. Add Driver
214    2. Add Rider
215    3. Request Ride
216    4. Display Drivers
217    5. Display Riders
218    6. Rate Driver
219    7. Exit
220    Choose an option: 3
221    Enter rider's name to request a ride:
222    daraab
223    Rider not found.
224
225    Menu:
226    1. Add Driver
227    2. Add Rider
```

```
228 3. Request Ride
229 4. Display Drivers
230 5. Display Riders
231 6. Rate Driver
232 7. Exit
233 Choose an option: 3
234 Enter rider's name to request a ride:
235 darab
236 Ride Assigned: darab -> bob
237 Distance to Destination: 365.20739880468943 km
238 Estimated Time: 7.304147976093788 hours
239
240 Menu:
241 1. Add Driver
242 2. Add Rider
243 3. Request Ride
244 4. Display Drivers
245 5. Display Riders
246 6. Rate Driver
247 7. Exit
248 Choose an option: 4
249 -----
250 | Driver Name | Availability | Rating | Location |
251 -----
252 | adeem | Unavailable | 5.0 | (20.7128, -50.006) |
253 | alice | Available | 4.25 | (23.7128, -53.006) |
254 | bob | Unavailable | 4.5 | (28.7128, -58.006) |
255 -----
256
257 Menu:
258 1. Add Driver
259 2. Add Rider
260 3. Request Ride
261 4. Display Drivers
```

```
262 5. Display Riders
263 6. Rate Driver
264 7. Exit
265 Choose an option: 5
266 -----
267 | Rider Name | Request Status | Current Location | Destination |
268 -----
269 |joshua  | In Queue   |(20.7128, -40.006) |(19.7128, -47.006)|
270 |darab   | Accepted   |(30.7128, -60.006) |(28.7128, -57.006)|
271 |meeras  | Accepted   |(20.7128, -40.006) |(22.7128, -52.006)|
272 -----
273
274 Menu:
275 1. Add Driver
276 2. Add Rider
277 3. Request Ride
278 4. Display Drivers
279 5. Display Riders
280 6. Rate Driver
281 7. Exit
282 Choose an option: 3
283 Enter rider's name to request a ride:
284 joshua
285 Ride Assigned: joshua -> alice
286 Distance to Destination: 738.7782494937499 km
287 Estimated Time: 20.685790985824994 hours
288
289 Menu:
290 1. Add Driver
291 2. Add Rider
292 3. Request Ride
293 4. Display Drivers
294 5. Display Riders
295 6. Rate Driver
```

296	7. Exit
297	Choose an option: 4
298	
299	Driver Name   Availability   Rating   Location
300	
301	adeem   Unavailable   5.0   (20.7128, -50.006)
302	alice   Unavailable   4.25   (23.7128, -53.006)
303	bob   Unavailable   4.5   (28.7128, -58.006)
304	
305	
306	Menu:
307	1. Add Driver
308	2. Add Rider
309	3. Request Ride
310	4. Display Drivers
311	5. Display Riders
312	6. Rate Driver
313	7. Exit
314	Choose an option: 5
315	
316	Rider Name   Request Status   Current Location   Destination
317	
318	joshua   Accepted   (20.7128, -40.006)   (19.7128, -47.006)
319	darab   Accepted   (30.7128, -60.006)   (28.7128, -57.006)
320	meeras   Accepted   (20.7128, -40.006)   (22.7128, -52.006)
321	
322	
323	Menu:
324	1. Add Driver
325	2. Add Rider
326	3. Request Ride
327	4. Display Drivers
328	5. Display Riders
329	6. Rate Driver

```
330 7. Exit
331 Choose an option: 2
332 Enter rider's name:
333 azlan
334 Enter rider's current location (latitude and longitude):
335 30.7128 -60.0060
336 Enter rider's destination location (latitude and longitude):
337 35.7128 -65.0060
338 Rider azlan added.
339
340 Menu:
341 1. Add Driver
342 2. Add Rider
343 3. Request Ride
344 4. Display Drivers
345 5. Display Riders
346 6. Rate Driver
347 7. Exit
348 Choose an option: 5
349 -----
350 | Rider Name | Request Status | Current Location | Destination |
351 -----
352 | joshua | Accepted | (20.7128, -40.006) | (19.7128, -47.006) |
353 | darab | Accepted | (30.7128, -60.006) | (28.7128, -57.006) |
354 | meeras | Accepted | (20.7128, -40.006) | (22.7128, -52.006) |
355 | azlan | In Queue | (30.7128, -60.006) | (35.7128, -65.006) |
356 -----
357
358 Menu:
359 1. Add Driver
360 2. Add Rider
361 3. Request Ride
362 4. Display Drivers
363 5. Display Riders
```

```
364 6. Rate Driver
365 7. Exit
366 Choose an option: 4
367 -----
368 | Driver Name | Availability | Rating | Location |
369 |-----|
370 | adeem   | Unavailable | 5.0 | (20.7128, -50.006)|
371 | alice    | Unavailable | 4.25 | (23.7128, -53.006)|
372 | bob      | Unavailable | 4.5 | (28.7128, -58.006)|
373 |-----|
374
375 Menu:
376 1. Add Driver
377 2. Add Rider
378 3. Request Ride
379 4. Display Drivers
380 5. Display Riders
381 6. Rate Driver
382 7. Exit
383 Choose an option: 3
384 Enter rider's name to request a ride:
385 azlan
386 No available drivers for azlan.
387
388 Menu:
389 1. Add Driver
390 2. Add Rider
391 3. Request Ride
392 4. Display Drivers
393 5. Display Riders
394 6. Rate Driver
395 7. Exit
396 Choose an option: 8
397 Invalid option. Please try again.
```

```
398
399 Menu:
400 1. Add Driver
401 2. Add Rider
402 3. Request Ride
403 4. Display Drivers
404 5. Display Riders
405 6. Rate Driver
406 7. Exit
407 Choose an option: 7
408 Exiting the system.
409 Process finished with exit code 0
410
```