

Nicholas Hersh (UNI: nh2693)

Week 1 Warmup

Problem 2

- a) Leetcode.com is a web application that allows users to practice software engineering interview questions. While I am a huge fan of the application, one aspect of it that I very much dislike is that you cannot actually code on the platform when accessing it through a mobile device; you're only allowed access to problem statements and your old submissions or solutions.

5:565G+

leetcode.com

Description

Editorial

Solutions (3.3K)

Submissions

787. Cheapest Flights Within K Stops

Solved

Medium

Topics

Companies

There are n cities connected by some number of flights. You are given an array `flights` where `flights[i] = [fromi, toi, pricei]` indicates that there is a flight from city `fromi` to city `toi` with cost `pricei`.

You are also given three integers `src`, `dst`, and `k`, return **the cheapest price from `src` to `dst` with at most `k` stops**. If there is no such route, return `-1`.

Example 1:

```
graph TD; 0((0)) -- 100 --> 1((1)); 1 -- 100 --> 2((2));
```

b)

- c) The main usability heuristic it violates is “4. Consistency and Standards”.
- d) The description in the class slides for this heuristic states “Users should not have to wonder whether different words, situations or actions mean the same thing.” For me, I remember spending a good chunk of time when I first I wanted to access and work on a problem through my phone, only to eventually google that it is not possible without somehow reverting to a significantly older version of the application.

While I would guess they’re doing this because it’s hard to have all the information you need to solve these problems on a mobile screen, I find it very frustrating. Some days my subway commute to Columbia takes upwards of 1 hour and I would love to be able to spend that time working on a problem, yet I am barred from doing this. Given that they allow you to click on different portions of a problem (i.e. description, solutions, submissions) it seems odd to me that they wouldn’t allow you to click into the IDE portion of it.