

HACK-DE-SCIENCE FINALS

RULES

1. Attempt any one question out of three questions.
2. Usage of internet is allowed .
3. The judgement criteria are as follows .You'll be given points basis on the following :
 - a. No. of features of the application
 - b. Complexity of the application
 - c. Technologies Used.
 - d. UI/UX design
 - e. Requirements of the application
4. Submit the solution folder as a zip file and submit it to skrowling@gmail.com

(Attempt any one question)

Total Marks:100

- 1) . **“TIMON AND PUMBA”** are excellent developers but they need your help in building their first startup . They found that many colleges lacks **“PLACEMENT MANAGEMENT PORTAL”** which is an important tool for any college students as well as for companies visiting the colleges .Can u help them to build their portal and establish them as a good startup?
- 2) **“TIMON AND PUMBA”** got an second idea for their startup . They found that the hiring platforms such as HackerEarth and Hackerrank just provide an platform to shortlist candidates for the written round . However in further rounds they don't provide any platform for interviewing other candidates . They decided to build a platform where more than one user can simultaneously write ,edit and compile code in real time .So can u help them to build their application ?

- 3) **“TIMON AND PUMBA ”** have started their third startup **“HAKUNA MATATA”** which provides food delivery service in Jamshedpur . However since it is in early stage , it needs to save cost in every fields . They found that maximum orders are from NIT JAMSHEDPUR . Since all the hotels in Bistupur are located within a radius of 2 km , it still assigns every order to a different delivery boy delivering to students within a radius of 500 m . The company also has **limited delivery boys** which leads to the problem **“ Restaurant not accepting orders ”** due to unavailability of any delivery boy at that particular moment . Since the company didn't want to hire any additional delivery boy and at the same time it didn't want to lose it's customers also , so can u help them to develop an application which can help them to optimise their cost. The company now operates in four regions .
- a) LD1 - Bistupur
 - b) LD2 - Adityapur
 - c) LD3 - Sakchi
 - d) LD4 - Kadma

And the distance between the following regions are as follows:

LD1 - LD2 = 5km , LD1 - LD3 = 3km , LD1 - LD4 = 6km

Sample of a given data:

Orders:{

Order1:{

“Order id”:2664asdfsds,

“Hotel id”:6556asdfsds,

“Hotel LD”:LD1,

“Delivery LD”:LD2,

“Delivery Address”:NIT JAMSHEDPUR,

“Ordered Time” : 10:30 A.M,

“Expected Delivery Time”:40 minutes

},

Order2:{

“Order id”:26asdfsds,

“Hotel id”:65asdfsds,

“Hotel LD”:LD3,

“Delivery LD”:LD2,

“Delivery Address”:NIT JAMSHEDPUR,

“Ordered Time” : 10:40 A.M,

“Expected Delivery Time”:40 minutes

},

}