# Feedback — Module 8 Concepts problem set

Help

You submitted this quiz on Sun 16 Nov 2014 6:24 AM PST. You got a score of 7.00 out of 10.00.

### **Question 1**

SubwayPS is necessary because...

Your Answer		Score	Explanation
subway trains travel too fast for GPS to work			
none of the positioning technologies employed on most smartphones work on subways	<b>~</b>	1.00	
it can take advantage of underground GPS technology			
traditional smartphone positioning on subways is illegal in most countries			
Total		1.00 / 1.00	
Question Explanation			

GPS, wifi and cell positioning do not work in underground transportation networks, so other positioning techniques were needed.

# **Question 2** SubwayPS works by... **Your Answer Explanation** Score taking advantage of very faint GPS signals taking advantage of accelerometers and gyroscropes 1.00 taking advantage of barometers taking advantage of other smartphone sensors like Bluetooth Total 1.00 / 1.00 **Question Explanation** SubwayPS measures the amount of shaking on a train using a smartphone's accelerometer and gyroscope.

### **Question 3**

0.00
0.00
0.00
0.00 / 1.00
(

### **Question 4**

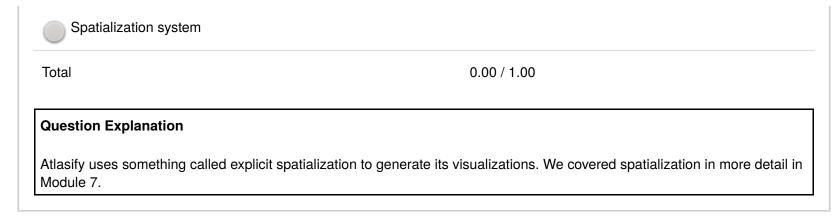
Atlasify is what kind of search system?

Your Answer		Score	Explanation
Navigational search			
Exploratory search, because it has built-in navigation			
Exploratory search, because it helps with open-ended, persistent queries	<b>~</b>	1.00	
Closed information request search			
Total		1.00 / 1.00	
Question Explanation			
Atlasify is an exploratory search system that helps people with, as White and Roth wicontext[s] that [are] open-ended, persistent, and multifaceted".	rite, "info	rmation-seeki	ng problem

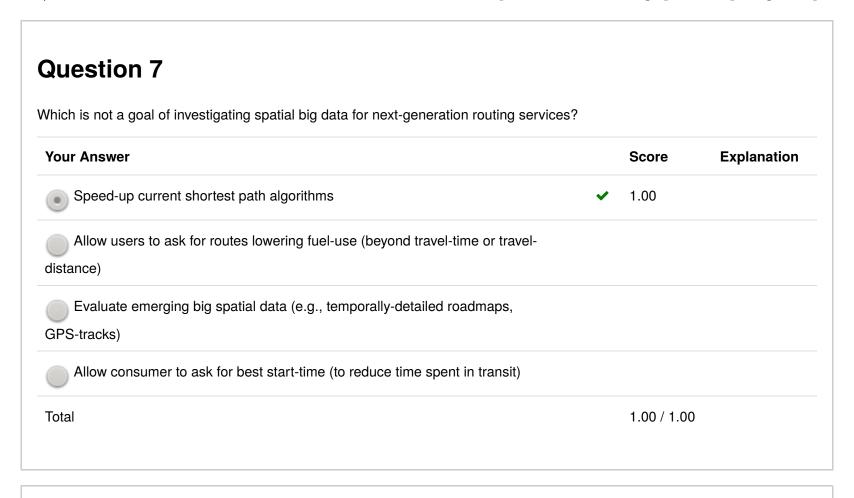
### **Question 5**

Atlasify is an example of a...

Your Answer		Score	Explanation
Reference map system	×	0.00	
Navigation system			



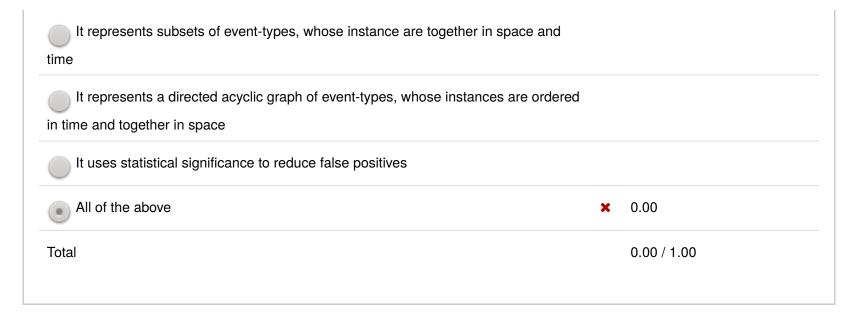
# Question 6 What are goals of evacuation route planning algorithms? Your Answer Score Explanation It should scale up to large metropolitan transportation networks It should scale up to large evacuee-population It should reduce evacuation time All of the above ✓ 1.00 Total 1.00 / 1.00



### **Question 8**

Which is true about cascade spatio-temporal pattern (CSTP)?

Your Answer Score Explanation



# Which of the following are true about ring-shaped hotspot detection? Your Answer Score Explanation It tries to narrow down geographic search for (evasive) crime-sources SatScan may miss many significant ring-shaped hotspots It uses statistical significance to reduce false positives

All of the above	✓ 1.00
Total	1.00 / 1.00

## **Question 10** Which professional societies represent spatial computing? (Hint: Review Appendix C of SC-2020 for US Counterparts). **Your Answer Explanation** Score Association for Computing Machinery SIG SPATIAL International Society of Photogrammetry and Remote Sensing Institute of Navigation International Geographical Union All of the above 1.00 1.00 / 1.00 Total

https://class.coursera.org/spatialcomputing-001/quiz/feedback...