

Practical activity #6 - ANSWERS

Chapter 3

Student EQF level: 4

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Instructions

This activity might be done with different input data than presented in the SUSMILE practical activity. This type of exercise should help the teachers and students implement real life facts into the lessons, flexibility of the data is recommended.

Notes for teachers

Exercise 1,2:

This activity aims mainly at student's awareness of their future professional field and expertise in its practical usage. At the same time it enhances their independence and evaluation skills.

As the activities are place and time related, the answers to the question may be different throughout longer time period. The results presented in this answer sheet might somewhat change in course of time.

Students and teachers can come with their own ideas depending on the students knowledge and independence. They can determine the longest and shortest distances, what distances are suitable for cargobikes and which are too far, on what conditions can you service the companies using alternative means of transport etc.

Exercise 1, 2

After entering the start and end locations, defining the route requirements and the possibility of using or not using the toll sections, different routes/distance/time will be searched in the map portals.

1 Finding the distribution routes Vysočany - Michle

1.1 Scooter/bike route:

- travel time 20 minutes
- distance travelled 5 km

1.2 Route using a private vehicle/van:

- travel time 8-24 minutes (no traffic-with traffic)
- distance travelled 5 km



1.3 Route using bus/tram/trolleybus:

- journey time 26 minutes
- distance travelled 6 km

1.4 Evaluation

The best result was achieved for the scooter/bike route.

2 Finding distribution routes Vysočany - Vršovice

2.1 Scooter/bike route:

- travel time 10 minutes
- distance travelled 3 km

2.2 Route using a private vehicle/van:

- travel time 4-12 minutes (no traffic-with traffic)
- distance travelled 5 km

2.3 Route using bus/tram/trolleybus:

- journey time 12 minutes
- distance travelled 3 km

2.4 Evaluation

The best result was achieved for the route using scooter/bike.

3 Finding distribution routes Vysočany - Žižkov

3.1 Scooter/bike route:

- travel time 8 minutes
- distance travelled 2 km

3.2 Route using a private vehicle/van:

- travel time 4-12 minutes (no traffic-with traffic)
- distance travelled 2 km

3.3 Route using bus/tram/trolleybus:

- journey time 18 minutes
- distance travelled 2 km

3.4 Evaluation

The best result was achieved for the route using scooter/bike.

4. Overall evaluation

4.1 Evaluation of the map portals

A suitable user experience is important for distribution planning when entering routes into map portals.

Exercises 2 - questions

Evaluation of map portals

Students evaluation might be individual

A suitable user environment for entering routes into map portals is important for distribution planning.



Google Maps:

- Less clear route parameter input
- display of up-to-date information on traffic situation and restrictions
- search for the fastest and shortest route

Maps.cz:

- clear route parameter input
- display of up-to-date information on traffic situation and restrictions
- search for the fastest and shortest route

Waze:

- impossible to enter route parameters
- display of very up-to-date information on the traffic situation and restrictions
- search for the best (fastest) route
- transfer the route to the Waze navigation app

