Quiz 4

Deadline	Wednesday, 30 October 2019 at 7:59PM
Latest Submission	Friday, 25 October 2019 at 3:04PM
Raw Mark	5.00/5.00 (100.00%)
Late Penalty	N/A
Final Mark	5.00/5.00 (100.00%)

Question 1 (1 mark)

Lazy evaluation in Spark helps to:

(a) ○	Perform an operation on an RDD right when a transformation is requested by the user without any need for triggering action
(b) ○	Postpone the execution of an Action to a later time only when a transformation operation is requested
(c) ◉	Perform optimizations (by Spark) that can improve the overall performance of the program

✔ Your response was correct.
Mark: 1.00

Question 2 (1 mark)

Transformations in Spark allows for the:

(a) ◉	Execution of an operation that results in the creation of a new RDD
(b) ○	Transformation of an RDD into a new Action to be lazily evaluated
(c) ○	Storing the results of the application on disk

✔ Your response was correct.
Mark: 1.00

Question 3 (1 mark)

Which of the following statements is true about Actions in Spark?

(a) ○	Actions are always lazily evaluated and triggered by a Transformation request
(b) ◉	Actions are operations that return a value
(c) ○	All Actions must be provided with an anonymous function as an argument in order to be executed

✔ Your response was correct.

Mark: 1.00

Question 4 (1 mark)

Besides HDFS, Spark can also interact with other storage systems such as S3, local file system and HBase

| (a) ◉ | True |
| (b) ○ | False |

✔ Your response was correct.

Mark: 1.00

Question 5 (1 mark)

Which of the following statements is true about RDD persistence?

(a) ○	RDD persistence causes the RDD to be always stored in full on disk
(b) ○	Without RDD persistence, node failures will cause to completely lose RDDs without any possibility of recomputing it
(c) ◉	RDD persistence helps in storing intermediate results (RDDs) and avoiding re-computation of the RDD

✔ Your response was correct.

Mark: 1.00