***Scalable Data Infrastructures***

***Problem Solving***

**Problem 1**

A Cat, a Parrot, and a Bag of Seed:

A man finds himself on a riverbank with a cat, a parrot and a bag of seed.  He needs to transport all three to the other side of the river in his boat.  However, the boat has room for only the man himself and one other item  (either the cat, parrot or seed).  In his absence, the cat could eat the parrot, and the parrot would eat the bag of seed. Show how he can get all the passengers to the other side, without leaving the wrong ones alone together.

**Answer 1**

1. So the man need to use a boat that can only hold two things to transport himself, a cat, a parrot and a bag of seed to the other side of the river. He can’t leave certain combinations of things together because they may eat one or the other.
2. The word problem never said how long the man has to get all across the river.
3. Get himself, the cat, the parrot and the bag of seed across the river.