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Web Programming Fundamentals

Activity: Problem Solving

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

**1)  Define the problem**

The problem is that there’s a man that want to cross the river, but he just can carry one item with him. He needs to take with him a cat, a parrot and a bag of seeds but he cannot leave them alone because they cat could eat the parrot and the parrot could eat the seed.

An insight is that the problem doesn’t show a limit number of trips that the man can make in his boat.

The overall goal is that the man has to take the cat, the parrot and the bag of seed to the other side of the river.

2)  **Break the problem apart**

The main constraint is that the boat has only space for the man and an extra item.

The sub-goal is that the man cannot leave the cat with the parrot alone and the parrot with the seeds alone.