Coding Exercise

You are given a CSV file holding sentences, each sentence contains 3 entities you need to extract.

You have 75-80 minutes to complete this exercise.

Example:

Sentence: Please put us in for 5000000 CAT 5yr?

Entities:

* Amount: 5000000
* Stock: CAT
* Period: 5yr

Your goal is to read the input CSV, collect all the entities, write an output CSV file with the collected entities.

Requirements:

* Design
  + Well modeled
  + Ability to change input to read from different sources (DB, etc.)
  + Ability to easily extract different entities
  + Ability to add pre-processing
* Working software & tested software (better to extract just a single entity from some of the sentences and have it working then trying to extract all and not having enough time)
* Bonus:
  + Return the offset for each entity (where it is located in the text)
* Code in Python 3.x, using any library you like.
* You are welcome and encouraged to ask questions and share your thoughts and progress during the exercise at any time.
* Relax and try to enjoy!