# ICS222 – Object Oriented Analysis and Design LAB 5: Use Case Diagrams

## 1. Draw the use case diagram for this use case document

Use Case 1.1

Publish a Short Story

## Publish a Short Story

Primary Actors: Writer

Proofreader Editor Agent

Publishing house

Distributor Bookseller

Level: Summary

#### Main Success Scenario

- Writer drafts a short story.
- Proofreader reviews short story.
- Editor suggest changes to the story.
- Writer incorporates edits.
- Agent contacts publishing houses and sells short story.
- Distributor packages story.
- Bookseller delivers story to consumers.

### Extensions

- 1a. Writer does not meet deadline.
  - 1a1. Editor extends the deadline, or cancels the project.
- Editor does not like the direction of the story.
  - 3a1. Writer incorporates major revisions to story.
- 3a2. Writer starts from scratch.
- 5a. Agent not successful in selling story.
  - 5a1. Agent or writer tries alternate publishing channel.
- Bookseller does not sell enough copies of the story.
  - 7a1. Bookseller discounts inventory.
  - 7a2. Bookseller sends copies back to publishing house.

# 2. Draw the usecase diagram for the following scenario

We have an online shopping subsystem. It has use cases like view items, make a purchase, checkout, and client register. Then we have multiple actors like the registered user, web customer, and new customer. These actors are related to each other. The use cases are also in a relationship.

The actors PayPal and credit payment service are the organizations interacting with the subsystem with different usecases.

- 3. Draw a car rental system use-case UML. Here, the insurance company is the actor that is the organization interacting with bill payment use-case and the customer is also an actor. Through the customer, the insurance company is also interacting with other use-cases of the car rental system. The employee and the manager are also the actors in this system.
- 4. Use case diagram of your python project