**OOMD Lab Practice /Assessment : 2**

1. Depict the given statement in a class diagram with multiplicities.

“A book must have at least one page .

Many books can be authored by the same author”

1. Draw a class diagram for the following scenario:

A news agency gathers news and publish them to different subscribers. Create a framework for agency to be able to inform immediately when event occurs, to its subscribers about the event. The subscribers can receive the news in different ways: Email, SMS.

1. Draw a class diagram for the following scenario:

Step1: The client creates some orders for buying and selling stocks.

Step2: Then the orders are sent to the agent.

Step3: The agent takes the orders and place them to the StockTrade system.

Step4: The agent keeps an internal queue with the order to be placed.

*Note:* Let’s assume that the StockTrade system is closed each Monday, but the agent accepts orders and queue them to be processed later on.