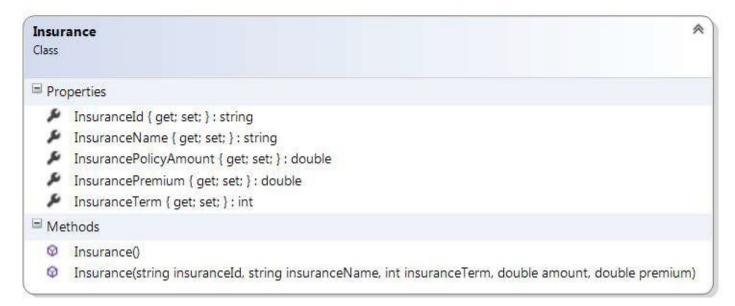
## **Problem Statement:**

JASTAP Inc. is an insurance company which provides insurances in various fields. It has an agent who maintains the list of different insurances provided by the company and he can add a new policy, delete or search any existing insurance policy.

## **Class Diagram:**





# **Class Agent**

- AddPolicy(Insurance): void
  - This method adds the policies in the insurance object list(Insurancelist) according to the below conditions:

- Modify the AddPolicy method to return void
- If the list is not empty, check if the given insurance id already exists in the list
  - If the insurance id does not exist, then add the new insurance to the existing list

### SearchPolicy(string)

- o Check if the given insurance id exists in the insurance list
- o Return the complete insurance object, if the id is present. Otherwise return null

#### DeletePolicy(string)

- Check if the insuranceid exists in the Insurance List using the SearchPolicy method
- If the insurance id exists, then insuranceid should be deleted from the insurance list and the rest of the list should be returned

#### Class Insurance

- Insurance(string, string, int, double, double)
  - o All the properties should be initialized with appropriate parameters