Game Development Framework

Create a scenario that models a **Game Framework** using **interfaces** and **abstraction**.

Guidelines:

- Create an interface defining the basic functionalities of a game entity – should contains property Name and Update() method.
- Then create an abstract class implementing common functionality for game entity. Add a constructor that receives name as parameter.
- Create two classes Player and Enemy that represent a specific game entity and implement abstraction already defined. For class Player add Health property(getter and private setter) and TakeDamage({int damage}) reduced player health with given damage. For class Enemy add AttackPower property(only getter) and Attack({player}) method that caused damage to the player(call player.TakeDamage(attackPower)).
- For Game Framework testing create a class GameWorld that contains a collection of game entities(List<?>) with possibility to add entity by AddEntity({entity}) and updates each entity in the collection by UpdateAllEntities() method.

At the end code bellow should work properly:

```
class Program
{
    static void Main(string[] args)
    {
        // Creating game entities: player and enemy
        Player player = new Player("Player1");
        Enemy enemy = new Enemy("Enemy1", 10);

        // Creating a game world and adding entities to it
        GameWorld gameWorld = new GameWorld();
        gameWorld.AddEntity(player);
        gameWorld.AddEntity(enemy);

        // Updating all entities in the game world
        gameWorld.UpdateAllEntities();

        Console.ReadKey();
    }
}
```