Developing Summary

* The Id Number is unique but I decided to add incremental id(int) because the performance of inner join with integer is much faster then with string and Id Number has to be string since it can start with zero.
* I decided to use three different repositories(CustomerRepository, ContractRepository and PackageRepository) in order to follow “Single Responsibility” principle(each class should be responsible only for one thing/domain)
* Regarding the caching:
  + I implemented here In-Memory Caching
  + I wanted to avoid code duplication so I built generic method for checking the cache and if the data exists, this method returns the data from cache, otherwise it gets the data from method which comes as parameter and save it to the cache.
  + When put method of CustomerController is called(for updating the customer’s address), the cache should be cleared because cache value is not relevant anymore.
* The “Update Address” button is disabled by default, it becomes enabled after one of the address’s fields is changed. If the change is undone, the button “Update Address” becomes disable again, because there is no reason to enable address update if it has same address’s values.