**Online construction equipment rental: -**

**Implementation: -**

**1) Message-based architecture: -**

‘RentAppService’ is the Wcf service which is used for inter process communication.

‘RentApp’ application communicates with ‘RentAppService’ for all sorts of data and business logic communication.

**2) IoC / DI: -**

Dependency injection has been introduced via Unity.MVC package.

Dependency injection has been added to ‘RentApp’ project.

**3) Logging**

Logging has been introduced via ‘log4Net’ package.

A common file ‘Log.cs’ has been added under folder ‘Logger’ in ‘RentApp’ project.

**4)Caching**

A cache profile has been created for sending some ‘HTTP Get’ request in ‘RentApp’ project.

The cache profile is ‘Cache1Minute’.

**5)Localization/String management**

For this purpose, resource ‘.resx’ file is used in the mvc ‘RentApp’ project.