**FTFL -02 (.Net Track)**

**Lab Test – Database and Layer Architecture Basics**

**Total Mark: 20 Time: 1 hr. 45 minutes**

Warning: You can’t use internet by using any kind of electronics device

This is a single form desktop application. By which user will save product data in database and display these retrieving from database.

You must ensure layer architecture here and all good practices.

During save you must ensure that product code must be at least three characters long and product quantity must be positive number (i.e. greater than zero). If user wants to save a product which code already exists in database, in that case quantity will be updated.

**Score distribution:** There are three parts of this small application:

1. Save product: score is 10
2. Show all product : score is : 7
3. Show Total quantity : score is : 3

