**Assignment 05 – Opt 1**

1. Write an application to allow the user to add or update his/her profile data to the trainees list of the application, details as described below:

* On entering the application, the user is asked to input his/her account, first-name, last-name, email. Those must not be empty.
* When valid data are inputted,
* The user’s profile information would be added or updated into the database. The update occurs only in the case his/her account exists already.
* The user would be redirected to the trainees list page which would show the guests who are accessed the application.
* Any input data validation or application exception must be handled. Warning and error messages must be shown to the user.

2. From the trainees list page, the user can add one or more feedbacks related to his/her training course (selected from the list). The feedback information includes:

* Feedback type, choose from one of following types:
* The course objectives were met (Mục tiêu khóa học đã đạt được)
* The level of the course is appropriate (Khóa học phù hợp với trình độ của học viên)
* This course will be useful for my work (Khóa học bổ ích cho công việc của bạn)
* The training materials were good (Tài liệu giảng dạy chuẩn bị tốt)
* The organization of the course (facility) was good (Cơ sở vật chất và công tác tổ chức tốt)
* Subject coverage is good with respect to courseware (Đảm bảo đủ nội dung c/t học)
* Your questions/doubts were answered satisfactorily and teacher support is good (Giảng viên hỗ trợ và giải đáp thắc mắc tốt cho học viên)
* The quality of trainer instruction and communication was good. (Kỹ năng sư phạm của GV tốt)
* Feedback rate, rate of of below 5 value (this is required data)
* Strongly disagree (1)
* Disagree (2)
* Neutral (3)
* Agree (4)
* Strongly agree (5)
* Feedback notes, for each feedback item (this is optional data)

For each course, when giving feedbacks on all feedback types, the user can store those to the database.

**Requirements**:

* Write Automation Unit Test for DAO classes and BO classes in Ass04\_Opt1 Assignment.