**Unit Test Course Outline (2.5 hours)**

During this workshop you will be expected to set-up testing projects following SMG Standards. Write both simple and complex unit tests using SMG Standards against a training project. Find and Resolve the bugs that have been hidden in the project. Your code (both good and bad) may be code reviewed by the class during this session.

**Goals:**

1. Setup Unit Test project(s) following SMG Shop Standards. (20 min)
2. Write a test around: (20 min)
   1. UnitTestWorkshop.Data.Repositories.UserRepository.New()
   2. UnitTestWorkshop.Data.Repositories.UserAuthenticationRepository.New()
3. Write a test around: (15 min)
   1. UnitTestWorkshop.Business.Translators.DataUserToAccountUserTranslator.Translate(source,existing)
4. As a class discuss if UnitTestWorkshop.Business.Providers.Passwords.GeneratePassword() (15 min)
   1. Should be tested.
   2. Should be in a wrapper.
5. Write test(s) around: (15 min)
   1. UnitTestWorkshop.Business.Providers.UserAccountProvider.CreateAccount()
6. Write test(s) around : (15 min)
   1. UnitTestWorkshop.Business.Providers.UserAccountProvider.RetrieveAccount()
7. Write test(s) around: (20 min)
   1. UnitTestWorkshop.Business.Providers.UserAccountProvider.DeleteAccount()
8. Final Write Spiral Test(s) around: (Remainder of time)
   1. UnitTestWorkshop.Business.Providers.UserAuthenticationProvider.Authenticate()