**Use Case Contracts**

**Contract#1:**

**Operation:** VerifyTutor()

**Cross Reference:**

Use Case: Verify Teacher

**Precondition:**

A teacher wants to give tuition and do business so he wants to sign up on our app.

**Post Condition:**

* Teacher instance t was created.
* t is associated with Admin.
* Attributes of t were initialized
* t.VerifyTutor() is invoked

**Contract#2:**

**Operation:** SignUp()

**Cross Reference:**

Use case: Sign up

**Precondition:**

Teacher wants to sign in the app to continue the business.

**Post Condition:**

* Teacher instance t was created.
* t is associated with Admin.
* Attributes of t were initialized
* t.VerifyTutor() is invoked

**Contract#3:**

**Operation:** PayCommision()

**Cross Reference:**

Use Case: Commission Receiving

**Precondition:**

Teacher got the tuition and has received his first fee and now have to pay commission to admin

**Post Condition:**

* Teacher instance t was created.
* t got verified
* t is associated with Admin.
* t.PayCommission() is invoked

**Contract#4**

**Operation:** SearchTeacher()

**Cross Reference:**

Use case: Search tutor

**Precondition:**

Student wants to get a teacher according to his/her requirements

**Post Condition:**

* A student instance s was created.
* s was initialized
* s.SearchTeacher() was invoked
* if student wants to filter teacher s.UseSearchFilter() is invoked

**Contract#5**

**Operation: AskClassMode()**

**Cross Reference:**

Use case : Class mode

**Precondition:**

Student selected tutor and wants to choose class mode

**Post Condition:**

* A student instance s was created.
* s was initialized
* s is associated with Class Mode
* s.AskClassMode() was invoked