Use Case Document – *ClassroomCompanion*

**Use Case Name:** Signing up for an account (Teacher role)

**Actors:**

* Teacher (No existing account)
* Registered Teacher (Has an existing account)
* Database System (Holds username, hashed password, and email)

**Triggers:**

* User is on website and clicks sign-up button on main page
* User is on website and clicks create account in place of login button in top right of screen

**Preconditions:**

* User is on website and would like to start using it

**Post-conditions:**

* The user now has a teacher account and can begin using the website widgets
* The user has been sent an email to confirm their sign-up

**Normal Flow:**

1. User clicks Create Account
2. User enters username
3. User enters email
4. User enters password
5. User enters confirmed password
6. User clicks submit
7. Account is created and logged into database

**Alternate Flows:**

**IncorrectRegInfo1**

1. User clicks Create Account
2. User enters username (is not more than 4 characters)
3. User enters email (email does not have an @...)
4. User enters password
5. User enters confirmed password (does not match password)
6. User clicks submit
7. Failed form fields highlight in red
8. User must re-enter information fixing errors.
9. User clicks submit
10. Account is created and logged into database

**Use Case Name:** Logging into an account (Teacher role)

**Actors:**

* Teacher (No existing account)
* Registered Teacher (Has an existing account)
* Database System (Holds username, hashed password, and email)

**Triggers:**

* User clicks on login button in the top right of click
* User clicks on login button on main page
* User clicks on a widget from the main page and is instructed to log in

**Preconditions:**

* User has signed up and has an account/confirmation email
* User is logged out on main page of website

**Post-conditions:**

* User is signed in and can access all the teacher widgets

**Normal Flow:**

1. User enters username/email and password
2. User clicks on log in
3. User can now enter the widgets

**Alternate Flows:**

**FailedLogin1**

1. User enters username/email and password (one of them is not in system or does not match up)
2. User clicks log in
3. Failed text fields highlight in red and indicate the problem (username does not match password, username not in system/database etc.)