**Documentation for CodeTratherTeacher**

**Form1**

* getAssignemnts()
  + Goes through all the student folders and adds the assignment file to the assignments list
* uploadUnitTest()
  + Allows the user to upload a unit test to be tested against
* runUnitTest(string studentCode) returns string
  + Tests the given assignment against the uploaded unit test
  + Returns: The grade that the student received
* gradeUnitTest(object sender, EventArgs e)
  + Grades all the student’s assignments then records them onto an executive summary along with other elements from the student summaries
  + Is connected to the button on the Form1 screen and is executed on click
* decryptBTN\_Click(object sender, EventArgs e)
  + Button to decrypt student folders
  + Is connected to the button on the Form1 screen and is executed on click

**Cryptog**

* decryptFile(string inputFile, string outputFile)
  + Decrypts a file using AES. AES Key and IV are pulled from the begining of the file.
  + String inputFile: is the path to the file to be decrypted.
  + String outputFile: is the path to where the decrypted file is written to.
* decrpytSubmit()
  + Select multiple files to decrypt at once and check that the decrypted version was created.
* GetFileNameAppendVariation(string fileName, string variation) returns string
  + Helper function to change name of file from file path