

Due 12/16

## Final Project

1. Implement a simple Student Advising application called **iAdvise** that allows a professor to enter, store, and update records of Computer Science and Information Technology students at Suffolk County Community College.
2. Each student record must contain the following information:
  - ✓1) First Name, Middle Initial, Last Name.
  - ✓2) ID Number (8 digits).
  - ✓3) GPA
  - ✓4) Home Campus *combo box for 3 diff campuses*
  - ✓5) Major (either Computer Science, Networking, CIS, or Web) *combo box, self-declares major/other*
  - ✓6) Home Address (Street number, Street, City, State, and Zip(5 digits)), Home Phone Number (10 digits), and Cell Phone Number (10 digits). *Exceptions for invalid length*
  - ✓7) Email Address *check if has @*
  - ✓8) CST course currently taking
  - ✓9) CST courses taken towards the degree
  - ✓10) CST courses to be taken towards the degree
  - ✓11) A text area for entering notes
3. A Graphical User Interface is required to help the professor enter information. GUI must have buttons, labels, text fields, lists, read-only combo boxes, and preferably menu items
4. Student information, once entered, should be retrievable and updateable.
5. Custom exception handlers have to be implemented to check the validity of the ID number and the phone number.
6. A mechanism should be in place to allow the professor to enter a new record and to look up for an existing record.

### Grading schema:

Implement the algorithm: 50 points

- a. Runs: 10
- b. Data retrievable: 10
- c. Data updateable: 10
- d. Ability to handle multiple students: 10
- e. Exception handling: 10

Implement GUI: 30 points + 5 points extra for implementing menu items.

Code-readability: 20

Creative extra features: 20 points

Total Points: 100 (or 125 with 25 bonus points)

*Menu bar extra 5 points*