VB APPLICATION PROJECT GUIDELINES

**Application Project/Presentation** (100 points possible – 5 min max):

1. This is an individual assignment and each student is responsible for their own work.
2. Plan, prepare, & design an application of your choice using Visual Basic coding principles. Remember to narrow down your topic. You may also opt to use a ***CASE Study*** from the Appendix in the back of the book, but inevitably you should make this unique and your own.
3. Ensure that your application’s core content satisfies Quality, Consistency, Correctness, and Standardization. Above all supply **quality over quantity**. There is a recommended 500 lines of code (but, it should not take precedence over quality). However, please supply an end product which displays quality work which quantifies as a semester long project.
4. Include a complete TOE (Tasks, objects, & Events) chart. Please see the sample TOE in the Midterm Study Guide.
5. Include both a complete flowchart + pseudocode. Remember to build these off your events.
6. Prepare a brief **Summary document (1-2pgs)**. This should contain the following items:
   1. A brief summary explaining your application project and what you set out to accomplish. Did you have any challenges or successes along the way? How did you attempt to resolve these issues.
   2. Please indicate what is your application’s potential and relevance in the community, social, personal, educational, and business settings, etc. (Some possible questions you might ask include: How does it relate to society? What is its importance? Usefulness? Who is your target audience or user? (e.g. yourself, other students, friends, co-workers, etc). What do you think is its projected future outlook? etc). Did you test out or share your application with other users? What did they think of it? Did they give you any advice?
   3. Lastly, give a brief wrap-up or conclusion on the outcome of your project. How do you feel it turned out? Please give your honest opinion. Everyone has an opinion.
   4. Please include **at least three sources**. Use applicable textbook, chapter exercises, discussions, and outside sources (primary & secondary, codeacademy.org, planet source code, Youtube, etc). Cite your sources appropriately (e.g. websites, blogs, message boards, chatrooms, or social media, etc)
7. Present/demonstrate your completed application. A three to five minute Presentation is scheduled for: **Monday, June 10, 2019.** Presentations should consist of the following: 1. Demonstrate/Run the program. 2. Briefly explain some info about your program. 3. Show design + code screens. 4. Show pseudocode + flowchart. Lastly, 5. Briefly take any questions. Remember all must be present (attend class) and make a presentation in order to receive a grade.

*Some Possible Application Topic Areas:* Education, Gaming, Health Care, Food & Nutrition, Physical Fitness & Exercise, Time management & scheduling, etc.

**Again, things that must be turned in include the following items:**(note: there will be a designated area setup on Canvas to upload files)

1. One to two page Summary Document (remember to include at least 3 sources with all links)
2. Your Application’s main executable file (.exe) and all supporting solution files (copy from main directory & not vb)
3. Application’s coding window (text file or .txt) – ALL (You may place this in Word or Excel too)
4. TOE Chart (you may opt to produce this in Word or Excel, etc)
5. Pseudocode & Flowchart (Word or Excel, etc – inevitably your choice)