Team Project for COP 3503

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Submission Deadlines

- **Milestone #1: Team Setup dues at 8:30am on Monday Feb. 05 (2% of the final grade)**
  - form your team naturally based on the common interests
  - 7 persons per “Project_Team”, official groups setup by Dr. Kavalan
  - self-grouping by CANVAS system
  - self-identify the team leader
Submission Deadlines

Milestone #2: Analysis and Design dues at 8:30am on Monday Mar. 19 (14% of the final grade)

Milestone #3: Implementation and Testing dues at 8:30am on Monday Apr. 23 (14% of the final grade)
Grading Policy for Analysis and Design

- **Definition (20%)**: What is the system definition? Why is the system important?
- **Analysis (30%)**: What should be the inputs? What should be the outputs? What are the flow/logic required for the proposed system?
Grading Policy for Analysis and Design

- Design (30%):
  - How many modules are required?
  - What are the classes and methods for each module/component?
  - What are the shared classes/methods across all modules?
Grading Policy for Analysis and Design

- Execution Plan (20%):
  - What is the best way to divide the coding tasks?
  - What will the makefile look like?
  - Your own planned deadlines to carry out the implementation/testing on each module
Example Topic: JPEG(-2000)

- Can be a C++-based software system
- Input: given a JPEG compressed image file
  * Run-Length Decoding
  * Huffman Decoding
  * Reversed Zig-Zag Scan
  * Inverse DCT Transformation
- Output: display the decompressed image/ pixels