

Project Proposal [1 mark]

1. Project Title
2. Project Description
3. Target audience/users
4. Group members (2 to 3 members per team)
5. Features with descriptions and marks distribution
 - describe what each feature does
 - The final project is worth 24 marks.
5 marks would go to video presentation.
You have 19 marks to be distributed to the features to be implemented.

Maximum of .5 mark on trivial features.

Example: Menu

There will be no partial marks. You only get the full marks if the feature is working.

Think of an interesting project that would make use of the following:

Must implement (but not limited to)

1. File handling (read and write)
2. struct
3. class
4. public and private access modifiers
5. Pointers
6. Functions
7. Passing pointers and "address of" to function(s)
8. template

Must have algorithms (but not limited to)

1. Double or Circular LinkedList
2. Binary Search
3. Priority Queue
4. Research and implement something not covered in class
 - i. Binary Search Tree
 - ii. One of the sorting algorithms (not bubble, insertion, selection, merge, quicksort)

Other requirements

1. .h and .cpp files
2. Working Makefile
3. Proper use of const
4. Outputs should be properly formatted
5. Proper naming convention
6. Proper indentation
7. Restrict a file to one purpose.
 - Avoid dumping everything in 1 one file
8. Restrict the class to one purpose
9. Must compile and run in AWS Cloud9

There will be deductions if the requirements were not followed.

Video Presentation [5 marks]

1. Name of the presenter
2. Title of your project
3. Describe your project
4. Demonstrate how to use your application
5. Mention the features in your proposal
6. Enumerate the features not delivered (if any)
7. Clearly explain your code
 - a. Go through each file, class, library, function, etc ...
8. Explain how you addressed the coding requirements
9. Prove that the features are working according to the specifications

Limit to 10 – 15 minutes