

PMAT 306 (Java Technologies)

Assignment-II

Create a connection oriented server socket that accepts and connects to a client.

- The server should provide at least three services to the connected client.
  - Services could be anything you like. For example: weather today(wt); unit/metric conversions; Any guess game with options; Postfix Calculator; week day of the given date; File storage service; Encryption services; etc.
  - Client should be provided a menu of commands available as it is connected to server.
- You should also submit testing client module as well.
- Read me file to execute the server and client; and generic enough to execute in any environment.

Means to follow:

- Your code should be modularized appropriately based on object oriented programming concepts.
- Each module should be a reusable component.
- User-friendly;
- Code should adhere to all java naming conventions.
- Keep in mind, if at all the this server is to be made multi-threaded in future, very minor code changes should facilitate the task (taking the advantages of OOPs).
- All java capabilities and features to be used.
- Exception handling ; memory optimization ; packaging
- Any other best practices