

## PROPOSAL

List of group members:

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<b>Project Title:</b>	HYPERSMART COMPUTER SHOP
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**Class of objects with attributes and methods:**

<div><div><i>HypersmartComputer</i></div><div><ul style="list-style-type: none"><li>- computerBrand : String</li><li>- computerModel : String</li><li>- computerCPU : String</li><li>- cpuNumberOfCores : int</li><li>- computerRam : int</li><li>- computerStorage : int</li><li>- computerGPU : String</li><li>- computerPrice : double</li></ul></div><div><ul style="list-style-type: none"><li>+ HypersmartComputer (String b, String m, String c, int n, int r, int s, String g, double p)</li><li>+ setComputerBrand(String brand) : void</li><li>+ setComputerModel(String model) : void</li><li>+ setComputerCPU(String cpu) : void</li><li>+ setCpuNumberOfCores(int cores) : void</li><li>+ setComputerRam(int ram) : void</li><li>+ setComputerStorage(int storage): void</li><li>+ setComputerGPU(String gpu) : void</li><li>+ setComputerPrice(double price) : void</li><li>+ getComputerBrand() : String</li><li>+ getComputerModel() : String</li><li>+ getComputerCPU() : String</li><li>+ getCpuNumberOfCores() : int</li><li>+ getComputerRam() : int</li><li>+ getComputerStorage() : int</li><li>+ getComputerGPU() : String</li><li>+ getComputerPrice() : double</li><li>+ toString() : String</li></ul></div></div>
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**List of processing:**

1. Store all the computer's specification and information into Queue named listComputer.
2. Separate the computer that has Intel and AMD CPU into two different linkedList named listIntel and listAMD.
3. Calculate total price for each type of computers.
4. Count each type of the computers.
5. Calculate average price for each type of computers.
6. Find the highest price and lowest price for each type of computers.
7. Sort the computer's information for each type of computers based on computer price from the highest to the lowest.