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| List Name | ADT Used | Justification |
| VIP Motor | Priority Queue Implemented As a Heap Tree | -Priority Queue to Have the highest priority member dequeued for the bonus of the different speeds.  -Complexity of Most Frequent Operations(Enqueue& Dequeue)  Is O(Log(n)) for both. |
| Frozen Motor | Priority Queue Implemented As a Heap Tree | -Priority Queue to Have the highest priority member dequeued for the bonus of the different speeds.  -Complexity of Most Frequent Operations(Enqueue& Dequeue)  Is O(Log(n)) for both. |
| Normal Motor | Priority Queue Implemented As a Heap Tree | -Priority Queue to Have the highest priority member dequeued for the bonus of the different speeds.  -Complexity of Most Frequent Operations(Enqueue& Dequeue)  Is O(Log(n)) ) for both. |
| VIP Order | Priority Queue Implemented As a Heap Tree | -Priority Queue to Have the highest priority member dequeued for Assigning it to A Motorcycle First.  -Complexity of Most Frequent Operations(Enqueue& Dequeue)  Is O(Log(n)) for both. |
| Frozen Order | Queue Implemented As a Linked List | -Complexity Of Most Frequent Operations;  dequeue O(1),  enqueue O(1) |
| Normal Order | List Implemented As a Linked List | -Linked List for Searching and Removing from the Middle  -Complexity Of Most Frequent Operations; removeBegin O(1),  Add O(1),RemoveID O(n) |
| Draw Order | Queue Implemented as A Linked List | -Queue for Drawing and passing to the array in order.  - Complexity Of Most Frequent Operations;  Enqueue& Dequeue is O(1). |
| Assigned Motors | Priority Queue Implemented As a Heap Tree | -Priority Queue to Have the highest priority member dequeued for returning it to its appropriate ADT  After Finishing the Order Assigned.  -Complexity of Most Frequent Operations(Enqueue& Dequeue)  Is O(Log(n)) for both. |
| Finished Orders | Priority Queue Implemented As a Heap Tree | -Priority Queue for Printing the Finished Orders And their Information according to their time of Finishing.  - Complexity Of Most Frequent Operations;  Enqueue& Dequeue is O(log(n)). |

Restaurant Phase 1 Orders& Motorcycles Lists