Test Cases and Test Plan

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|  | input | Expected Output |
| Initial Menu Selection- choice 1, 2, 3  Valid input | * 1 * 2 * 3 | * Begins enter input * Begins dequeue * Ends Program |
| Initial Menu Selection- choice 1, 2, 3  Invalid input | * Enter number other than 1,2,3 * Enter char/String | * “You have entered an invalid choice” and menu displayed * Error catch “ERROR: That is not a number…” menu display |
| Entering double inputs into queue with less than 10 | * Any double | * Input will be added to front of queue |
| Entering double inputs into queue with greater than 10 | * Any double | * Sorry. Currently the queue is full. Please try again later when at least one dequeue is performed. |
| Entering invalid inputs into queue | * Enter char/String | * "ERROR: That is not a number! Try again please   Requests new input |
| Dequeue from list greater than 0 | * Menu input of 2 will cause dequeue | * You are removing (last number in queue/first number entered)from the list * Remove item |
| Deque from an empty queue | * Menu input of 2 will cause dequeue | * Sorry. Currently the queue is empty. Please try again later when at least one enqueue is performed. |
| Enter another input? | * Y * y | * Enter input: |
| Enter another input? | * N * n | * Return to menu |
| Enter another input? | * Enter char other than Y,ty,N,n | * Invalid Entry! * Request new input |
| Enter another input? | * Enter number/String | * Invalid Entry! * Request new input |