**Team Waterfall: HW1 – Stories**

**Team Name**: Team Waterfall

**Team Members**: Cade VanHout, Kase Tadych, Ryan Traut, Zach Landquist

Story 1: CreateList(), Writer: Zach Landquist

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| **Front** | As a LinkedList, I need to create a list from passed in array of elements, so that I can initialize the linked list with that data. |
| **Back** | * A list is created based on the passed in array of elements. * If there are null elements, the head should be set to null to indicate an empty linked list. * The order of the list must match the array of elements passed in. |

Story 2: AddToTail(), Writer: Cade VanHout

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| **Front** | As a linked list, I need to be able to add a node to the tail of the list, so that I can extend the list. |
| **Back** | * Return true if added to the end of the list. * The tail should properly be updated. |

Story 3: Length(), Writer: Ryan Traut

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| **Front** | As a linked list, I need a function to determine the number of nodes in the list, so that I can understand the size of the list. |
| **Back** | * When the linked list is empty, the function returns 0. * Should return a positive integer corresponding to the number of nodes in the list. * Should not alter the contents of the linked list |

Story 4: IsEmpty(), Writer: Kase Tadych

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| **Front** | As a linked list, I need to be able to check if a list is empty, so that I do not have errors when implementing other methods. |
| **Back** | * Should check the list to see if there are any items in the list * Should return true if the list contains no items * Should return false if the list has one or more items |