Requirements:
1) In the “designs” folder I have some designs I used to make the binary tree and its functions.

2) In main.bt.cpp I test various functions and if else statements.

3.1) node.bt.h represents a binary tree node that can hold integers.

3.2) In BinaryTree.h there is a function called “insert” that will take an integer and insert it into the tree. The tree is sorted in ascending numerical order.

3.3) In BinaryTree.h there is a function called “remove” that will take a value that is to be deleted and delete a node with that value. If the node that is being deleted has two children the minimum value on the right side will be its successor.

3.4) In BinaryTree.h there are two functions called “pre_order” and “post_order”. The “in_order” function is a slightly modified version of a function from chatgpt. I started using this function to test my “insert” function. Then I realized it was using “in order” traversal. I then modified it to make pre order and post order traversal functions. The pre order function seems to be working. The post order is not working quite yet.

4) In BigONotation.pdf I compare the speed of an ordered and unordered binary tree.