Algorithmic Thinking: Making a Cup of Tea

Algorithm Pseudocode

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Choose type of tea to drink
Collect tea ingredients
     Find tea in pantry
     If tea is correct type, then put tea container on
          table else put tea back and repeat this step
          to choose another tea until correct one is
          found
     Find milk in refrigerator
     Put milk container on table
     Find cup in pantry
     If cup is correct type, then put cup on table
          else put cup back and repeat this step
          to choose another cup until correct one
          is found
Prepare hot water for tea
     Find tea kettle
     Fill tea kettle with 0.5 litre of water
     If tea kettle has < 0.5 litre of water,
     continue to fill
          else stop filling
     Place kettle on stove and turn on heat
     If water in kettle is < 100C,
          continue to heat
          else stop heating
Prepare tea
     Pour hot water into cup to 1cm below cup rim
     Add tea bag to hot water in cup
     Wait 5 minutes for tea to brew
     Remove tea bag
     Pour 5ml of milk into tea cup
Clean up
     Put milk container back into refrigerator
     Put tea back into pantry
     Enjoy drinking cup of tea
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Algorithm Flow Diagram