**Bounded blocking buffer** - a simple data structure that allows data exchange between threads.

Principle of operation.

The blocking buffer allows you to:

1. Put in it the value you want to transfer. If the buffer already contains some value, then the thread waits until someone picks it up.

2. Pick up the value put there. If the buffer is empty, then the thread waits until someone puts a value into it.  
  
**Class structure**

Text, table

Description automatically generated with medium confidence

*Please make a class generic.*