

# Forgetful Vector

In the folder "ForgetfulVector" is an implementation and header file. Write a class, named ForgetfulVector, that acts like a vector in that it supports the `size`, `at`, and `push_back` methods. This class only needs to support the storage of ints (templated classes will be taught later). The one strange thing is that the ForgetfulVector "forgets" the first time it encounters a value, and doesn't present that value or give it an index.

Example use:

```
std::vector<int> vec = {1, 2, 3, 2};
ForgetfulVector fv();
fv.push_back(1);
fv.push_back(2);
fv.push_back(3);
fv.push_back(2);

// Currently only "knows about" [2] as it "forgets" the first occurrence of 1, 2, a
assert(fv.size() == 1); // Should be 1
fv.push_back(1); // now holds [2, 1] as this is the second time seeing a 1
assert(fv.at(0) == 2); // returns a 2 as that is the value in index 0 in this forge
assert(fv.at(1) == 1);
```