

### **Pandemic Small Business Support Pseudocode**

1. Initialize a set of variables where I will store the calculated attributes of the loan determination:
  1. **eligibility**: Initialize to false;
  2. **interest\_rate**: Initialize to 0.0;
  3. **application\_fee**: Initialize to 0.0;
  4. **collateral**: Initialize to false; and
  5. **personal\_guaranty**: Initialize to false.
2. Use the criteria from the SBA to determine whether the applicant is eligible for a loan (i.e., they are using it for its intended purposes *and* they are requesting an amount less than \$2m USD.)
  1. If they are eligible, set **eligibility** to true; otherwise,
  2. do nothing because **eligibility** defaults to false.
3. Use the criteria to determine the applicant's interest rate:
  1. If the applicant is a non-profit business, set their **interest\_rate** to 2.75; otherwise,
  2. Set their **interest\_rate** to 3.75.
4. Use the criteria to determine whether the applicant must put down collateral:
  1. If the applicant is requesting more than \$250k USD, set their **collateral** requirement to true,
  2. do nothing because **collateral** defaults to false.
5. Use the criteria to determine whether the applicant must make a personal guaranty:
  1. If the applicant is requesting more than \$200k USD, set their **personal\_guaranty** requirement to true,
  2. do nothing because **personal\_guaranty** defaults to false.
6. Use the given functions to output the preceding calculations according to the specifications.