# UML diagram notes

* Enumerations have no fields indicated because of limitations of the UML program and language, but in general, their fields correspond to their accessor methods. An exception is on the Bank class, where the getUser(String) method refers to a field of type Map<String, User>.
* Abstract members are italicized, and static members are underlined. Generally, static members are used for global parameters that are specific to an account type.
* Visibility is indicated with markers adjacent to each member; however, methods marked with package visibility (a tilde, ~) will not be programmatically implemented as such. Package visibility is used to indicate that access to the method is logically restricted, usually in terms of the user which may access it, but sometimes in terms of allowable parameters. At a programmatic level, such methods will be declared public.
* The Bank class is a singleton enumeration type. It is the only directly persisted type, and it stores all the bank’s User instances, as well as the global time offset. (An offset is stored against the system clock to model the passage of time; it can only be increased, and only by the operations manager.)
  + Not shown on the diagram are methods which calculate and return global statistics, for the use of the accountant user role.
* User.role is null if the user is not an employee.