Represent this situation as a class diagram.

The UK banking system consists of a number of banks. Each bank has a number of branches, each identified by a unique sort code. Banks maintain accounts, each with a unique account number; in addition, each account is held at a particular branch of the bank. Some accounts allow cheques to be written, others don’t. Each cheque is identified by a cheque number.

Represent this situation as a domain model , paying particular attention to the use of qualified associations. Explain any assumptions you are making.