Use case specification example

1. Function: Search for books
2. Actors: Member
3. Input:
   3.1. User id
   3.2. Password
   3.3. Part of the book title
   3.4. Book category
   3.5. …
4. Output: a list of books containing:
   4.1. Book id
   4.2. Book title
   4.3. Days can borrow
   4.4. Category
   4.5. …
5. Basic Flow or main Scenario:
   5.1. Customer types in their ID and password, then clicks the Login button. If customer ID found & password correct, display customer name. If no customer with the ID found, goto 5.5. If password incorrect, goto 5.6. If server error, goto 5.4.
   5.2. Repeat until customer leaves Web page:
      5.2.1. Customer types in part of title in title text field, category name in category text field (or selects category from combo box). Categories might include Mystery, Non-Fiction, Children's etc. The system records the following information about each book: a unique ID, name, number of days can borrow, category and number of copies currently available for lending.
      5.2.2. Customer clicks Find button and a list of matching books are returned showing book ID and title. If no books found, go to step 5.3. If error from server, go to 5.4.
      5.2.3. Customer clicks on a book ID/title then on Details button. More information is displayed about the book e.g. days can borrow for, and category
   5.3. No books found error message displayed. Go to 5.2.1.
   5.4. Server error error message displayed. Go to 5.1.
   5.5. No customer found error message displayed. Go to 5.1.
   5.6. Incorrect password error message displayed. Go to 5.1.
6. Alternative Flows:
   6.1. If user is already logged in start from 5.3.
   6.2. …
7. Pre-Conditions:
   7.1. Customer must be registered
   7.2. …
8. Post-Conditions:
   8.1. …