FPT UNIVERSITY
SWR302 – SPRING SEMESTER
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Assignment 1
Due date: WEDNESDAY 17/01/2024
PT1:   MONDAY   22/01/2024

Exercise 1: A Book Store Online permits customers and Staff/Manager to perform the following functionalities:
Customer
- Register
- Login/Log out
- Search
- Create/view/update/cancel Cart
- Check out
- Select shipment
- Select payment
- Create/view/update/cancel order
- ….

Staff/Manager
- Login/Log out
- Search
- Store items
- Put items on selling Web
- Process (view, update, cancel…) order
- View statistics of item selling (Manager**)**

Your tasks are:
1. Construct a *context diagram* for the system (page 93 and page 585)
2. Construct a *feature tree* for the system (page 95 and page 578)
3. Using VP Tool to draw a *use case* diagram (page 145, 149)
4. Write *scenarios* for 10 use cases (page 150, 581)
5. Write *user stories & acceptance criteria* w.r.t your 10 use cases (page 145). Using the template from the link
   https://rubygarage.org/blog/clear-acceptance-criteria-and-why-its-important
   https://www.altexsoft.com/blog/business/acceptance-criteria-purposes-formats-and-best-practices/

Exercise 2: A Library Management system permits actors to perform the following functionalities.
Actors

- **Librarian:** Mainly responsible for adding and modifying books, book items, and users. The Librarian can also issue, reserve, and return book items.

- **Member:** All members can search the catalog, as well as check-out, reserve, renew, and return a book.
- **AutoSystem:** Mainly responsible for sending notifications for overdue books, canceled reservations, etc.

Functionalities

- **Add/Remove/Edit book:** To add, remove or modify a book or book item.
- **Search catalog:** To search books by title, author, subject or publication date.
- **Register new account/cancel membership:** To add a new member or cancel the membership of an existing member.
- **Check-out book:** To borrow a book from the library at desk room or via Internet
- **Reserve book:** To reserve a book which is not currently available.
- **Renew a book:** To re-borrow an already checked-out book.
- **Return a book:** To return a book to the library which was issued to a member.

Your tasks are to:
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4. Write *scenarios* for 10 use cases (page 150, 581)
5. Write *user stories & acceptance criteria* w.r.t your 10 use cases (page 145). Using the template from the above links in Exercise 1

References
[1] https://rubygarage.org/blog/clear-acceptance-criteria-and-why-its-important
[2] https://www.altexsoft.com/blog/business/acceptance-criteria-purposes-formats-and-best-practices/
[3] https://www.mobindustry.net/blog/how-to-write-acceptance-criteria-examples-and-best-practices/
[4] https://www.softwaretestinghelp.com/user-story-acceptance-criteria/#
[5] https://viblo.asia/p/tim-hieu-ve-user-story-va-acceptance-criteria-qua-examples-4P8560XBZY3