TRƯỜNG ĐẠI HỌC KHOA HỌC TỰ NHIÊN
ĐHQG-TPHCM
KHOA CÔNG NGHỆ THÔNG TIN
--ఆ📖ఏ--

CS300 - CSC13002
Introduction to Software Engineering

Project Assignment 0 (PA0)

Class: 21CLC04
Group 11

Name	Student ID
Trương Tấn Phong	20126053
Lê Phương Chi	21127019
Doãn Anh Khoa	21127076
Nguyễn Chí Lương	21127643
Nguyễn Lê Tấn Thành	21127741

Project proposal

A. Introduction

1. Idea: **Create a sales website for a bookstore.**

2. Briefly describe:
   - The website provides an online trading platform for book buyers and booksellers.
   - Booksellers also manage their sales websites

3. Purpose:
   - There are many websites/online sales channels, but most of them sell many types of items. We want to choose one type of item to build a website focusing on selling that product, so that buyers can focus on the product they are looking for.
   - The biggest reason we decided to make a website for a business instead of a service delivery platform is that business can directly manage their sales website.

B. Target users and environments

1. Target Users:

   Users of this website include two actors: **book buyers** as customer and **booksellers** as bookstore owners.
   - Anyone can use this website as a customer.
   - Customers who buy books will have an age limit (over 14 years old).
   - Bookstore admin will be able to use admin rights when logged in with the correct admin account.

2. Environments:
   - The website is developed to be used on any platform and any Operating System.
   - This website requests notification access.
   - There are no limitations on the software or version of the device, as long as can access the internet well.
   - The web server will be installed at the deployed bookstore.
   - Server configuration:
     - Synchronous server **Intel® Server System LSVRP4304ES6XX1**
     - Chip **Intel Xeon E3-1230 v5 (8M Cache, 3.4 GHz)**
     - Board **Intel® Server Board S1200SPL**

C. Key features

1. As a customer:

   a. User account:
   Customers are required to have an account to use the website, this function allows users to create a new account or log in to an existing account.

   b. Account management:
   A screen page to display customer profile including fullname, phone number and list of customer addresses. It also includes other less important information such as email, date of birth, gender, etc.

   c. Search engine:
   The search engine allows users to find books in the book store.

   The priority for searching decreases according to book title, author name, and genre name.

   After performing a search, a screen will be returned showing a list of books similar to the search keyword.

   d. Shopping Cart:
   A screen displays short information about all products that user has placed in the shopping cart. Calculate the total price of all products in the shopping cart.

   e. Purchase:
   A screen page displays information about items to be purchased and requires the customer to confirm delivery information taken from the user account section.

   If there are errors in information, allow customers to correct order information.

   After the customer identifies the order, create an order and send it to the bookstore and update the inventory.

   f. Order tracking:
   A screen page showing the delivery status of the order. The delivery status of the order will be updated by the seller continuously.

   g. Feedback:
   Customers can read reviews when viewing product. Customers can also leave a feedback after purchasing and receiving the products.

h. **Chat box:**
A pop-up page allows customers to compose questions for the bookstore admin. On this pop-up, short information about products that customers are interested in will be attached.

That's all the basic functions for customers

2. As a bookstore owners (Admin):

a. **Account management:**
You need to authenticate as an admin account to be able to grant admin rights.

b. **Post products:**
Allows bookstore admin to post a new product on their sales website. Then update the inventory and show the article on the sale page, where customers can find it.

c. **Categories:**
Each book is labeled with one or more different labels to facilitate classification and searching. Customers can search for books using this classification label.

When new books are posted, bookstore admins can add new labels or reuse pre-created labels.

d. **Order management:**
A screen page that allows bookstore admin to check the status of all order being delivered, and can update the delivery status.

e. **Revenue statistics:**
This function allows calculating profit from sales and view bookstore sales statistics.

This is a page where the total amount of imported products, the amount of sales, and finally the sales profit will be calculated.

f. **Warehouse management**
Statistics on the number of products remaining in stock.

Bookstore admin can edit the prices of the products they have posted and import prices.

That's all the basic functions for Admin
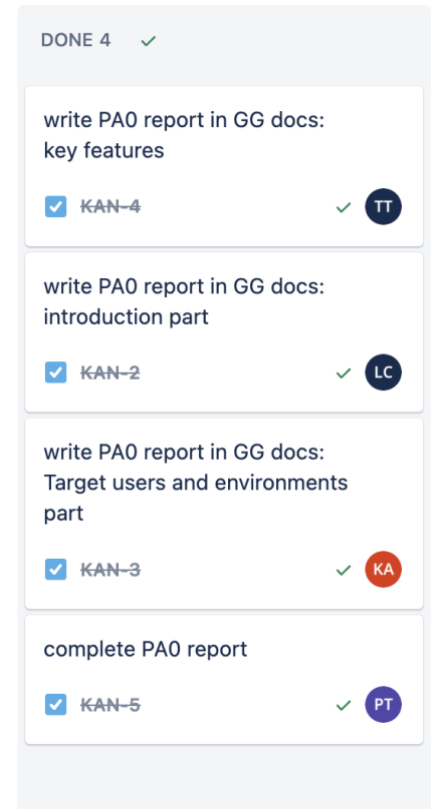
D.   Support tools

1.   Jira

Summary of weekly activities: Come up with ideas for the final project and complete the PA0 report.

Start time: October 13, 2023
Deadline: October 21, 2023

Task: complete PA0 report
- introduction part: Lê Phương Chi
- target users and environments: Doãn Anh Khoa
- key features: Nguyễn Lê Tấn Thành
- complete PA0 report: Trương Tấn Phong

2.   Github

There are no changes to this tool. Construction has not yet begun.

3.   Google Drive

Related reports and documents will be stored here.

END