Application Development Requirements

Date: 05 Jan 2022 – Version: 3.0

Context

FPTBook will be a web-based software system to aid book store customers and owners to manage their book purchases and sales with regard to simplifying and speeding up the process of selection, ordering and purchasing books for customers as well as managing a database of users and a database of products for book store owners.

Functionalities

The software will be designed as an e-commerce website for selling books. The software will be deployed in stores and it will be possible to use the store's website. The software *FPTBook* will be marketed as a book store sales software allowing to organize book store sales in an efficient manner.

The Login Screen will consist of a user dialogue box with two text boxes and two labels to accept Email and Password. There will be two buttons: Submit and Cancel. This screen will be used to authenticate the user to the system. Depending on the login values, the user will be directed to either Customer Screens or Store Owner Screens.

The **Home Screen** will be the default screen displayed upon processing the user login and the user log-out options. It will display a message "Welcome Customer" or "Welcome Store Owner" based on their roles.

Customer

The main function of the Customer Screens will be to sell books therefore they will be designed according to the sequence of steps that a customer needs to perform to buy a book. These screens will include the following: Home Screen, Data Display Screen, Register Screen, CheckOut Screen, Help Screen.

- The **Home Screen** will be the default screen displayed upon processing the user login and the user log-out options. It will display all books that the customer can buy. The **Product Detail Screen** will help to display detailed information about a specific book.
- The **Profile Screen** will be used for displaying all past orders of the current customer and his/her personal profile
- The **Register Screen** will be used for customer registration. It must have the following fields:
    - Email
    - Full Name
    - Password
    - Re-Password
    - Home Address
- The **CheckOut Screen** will be used for displaying the *item's title, description*, *price*, *category* and *selected quantity*.
- The **Help Screen** will be used for displaying a list of help topics.
- All Customer Screens except Login Screen, and Help Screen will display a search engine and help options located at the top of each respective screen. It allows the customer to search books by name or category.
- After logging off the system. The system will then return to the default Home Screen.

Store Owner

The main function of the Store Owner Screens will be to manage books, categories, and records.

The Store Owner Screens will display a search engine and help options located at the top of each respective screen. It allows the Owner to search for a specific customer by entering an email address.

The **Book Screen** will be used for adding, updating, searching, or deleting a product. Each book must have a specific Category

The **Category Screen** will be used for adding, updating, searching, or deleting a Category. A category must be unique.

The **Record Screen** will be used to display all records ordered by customer.