Web Application(Book Library).

Product Information

The software product that is being developed is a half-finished web application which is the foundation of a library system for books. The system can add books, modify the books, and remove the books. the system stack is implemented in a modern way and the two modules (the client and the server) will communicate via HTTP requests. The front end is implemented using a Single Page Application (SPA) architecture, which means that no rendering is done on server side all logic for the visual part is done locally and no reload of the page is needed. This also means that the border between back end and front end is very sharp, the only way to know how to communicate is to use the API. The application server is executed in a virtual machine that is managed via Vagrant, the client is executed in your web browser. The libarary system will feature updating a book,creating a book,deleteing a book,viewing a book and viewing a list of books.

2.1 Project Deadlines and Objectives

the project development will be conducted through an iteration process approach.

iteration #	Objectives	Deadline
iteration 1	Show a list of books as a JSON object and view it in the web (local host API).	2/5/2018
iteration 2	Analysis, Design and Implementation	2/19/2018
iteration 3	Create test plan, cases, unit test and API test	3/5/2018
iteration 4	Complete the development of the system iteratively 1,2 and 3	3/18/2018

Developer Task

The development process is divided into four iterations and it will be conducted through an iteration process approach. Our task as a developer in the first iteration objective is to create a list of books which can add, modify and remove a book then, convert to JSON object and view it in the web (local host9090 API). To simplify it the first iteration is divided into further tasks and subtasks which will be planned and implemented, tested then reflected through. The project is documented with a project plan, Vision document, time log, personal reflection and the implementation code. Also, the milestone should be listed in order for us to keep track of our progress.

Users Task

To be able to create , edit , delete , view a book(s).

Potential Future Users And Customers:

Many customers and users are going to be in the library sector. For example: librarians and private individuals