

Project Design Phase-I Solution Architecture

Date	November 2022
Team ID	PNT2022TMID10645
Project Name	Project – Online Book Store
Maximum Marks	4 Marks

Solution Architecture:

Nowadays, the network plays an import role in people's life. In the process of the improvement of the people's living standard, people's demands of the life's quality and efficiency is more higher, the traditional bookstore's inconvenience gradually emerge, and the online bookstore has gradually be used in public. The online bookstore is a revolution of book industry. The traditional bookstores' operation time, address and space is limited, so the types of books and books to find received a degree of restriction. But the online bookstore broke the management mode of traditional bookstore, as long as you have a computer, you can buy the book anywhere, saving time and effort, shortening the time of book selection link effectively. The online bookstore system based on the principle of provides convenience and service to people.

To solve existing business problems for online book store:

- Faster Task Completion. Arguably the best gift that technology has provided the business worlds a drastic increase in productivity.
- Content Discovery
- Lower Administration Costs.
- Remote Working is Easier.
- Improved Customer Targeting.

Software requirements:

- The bookstore shall accept orders over the Internet.
- The bookstore shall maintain a list of accounts for up to 1,000,000 customers.
- The bookstore shall provide password protection for all accounts.
- The bookstore shall provide the ability to search the master book catalog

BENEFITS(Features):

The days of going to a bookstore and thumbing through shelves looking for the perfect read are becoming increasingly rare.

- Support Diverse Formats.
- A Reader-Friendly User Interface.
- Reading Tools Ideal for Online eBook Store.
- Reading Gamification.
- Store & Sync Favorite eBooks.
- Support Different Platforms.

Characteristics:

- Broad Collection of eBooks.
- Support Diverse Formats.
- A Reader-Friendly User Interface.
- Reading Tools Ideal for Online eBook Store.
- Reading Gamification.
- Store & Sync Favorite eBooks.
- Support Different Platforms.

Development phases:

- Push Notification – Admin can send their readers instant notification regarding any recent release of any product or any offers, discounts, or cashbacks.
- CMS integration – Integrating a robust content management system with your platform will help you manage the content of your website in an organized manner.
- User Behaviour – A user behavior tracking feature can be integrated. It will allow you to track your user's habits individually. The user behavior acts as a parameter in recommending the books and discounts for improving interaction.
- Voice Assistance – Integrating voice assistance while you create your own book store is a mind-blowing option. This way, it will enable users to perform voice searches of their favorite books by giving voice command

Provide specifications according to which the solution is defined, managed, and delivered

- Define the problem.
- Understand customer input.
- Include your whole company in the discussion
- Pick which product specifications to include.
- Do user testing
- Revise based on what your users determine works and what doesn't

Example - Solution Architecture Diagram:

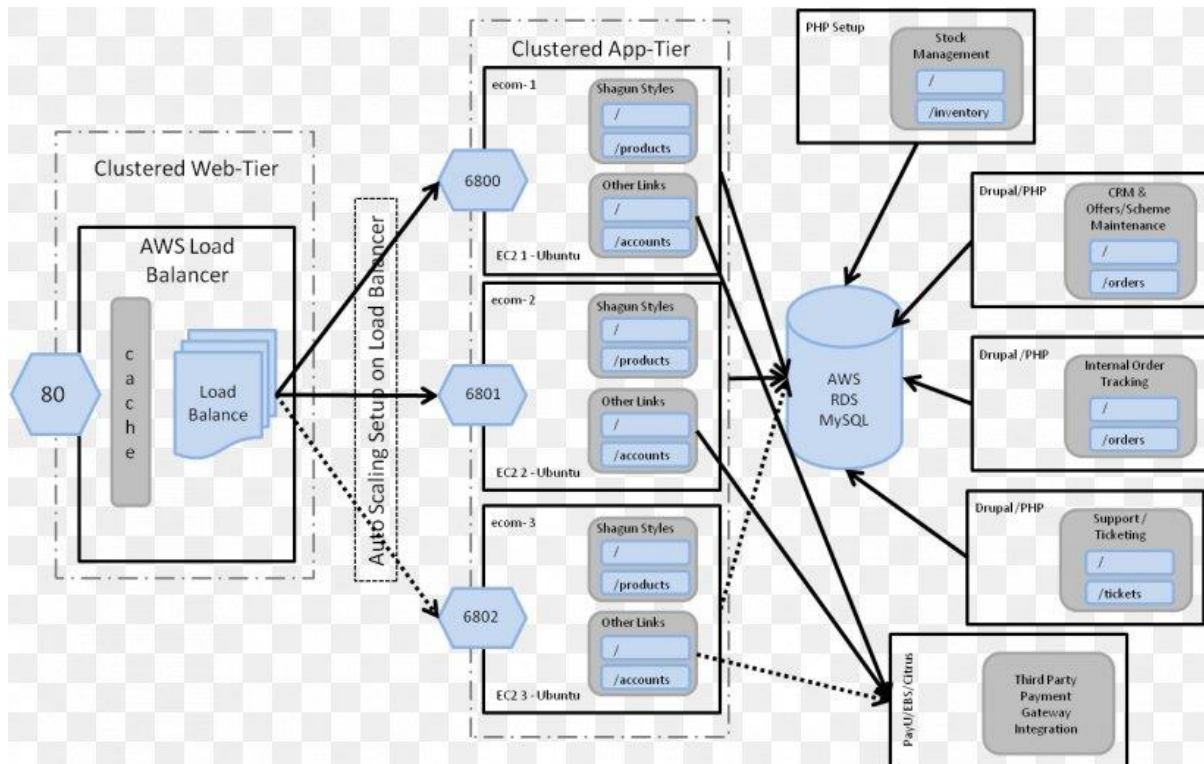


Figure 1: Architecture and data flow of the voice patient diary sample application