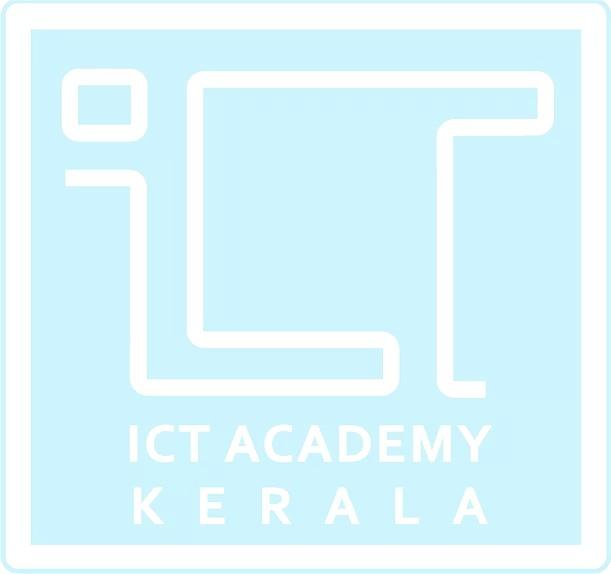
**Project Title: Book shop**



Submitted by,

**Sujith s**

**Abstract**

—

The Online Book shop Application is to specify the functional requirements for a web-based auction system. The system will allow users to register,place book, manage items. The application will include user registration and authentication, Item listing and management. The application enablesbuyers to place book on items. The system notified the highest bid for each item.The application include 2 modules is:- Buyer and Admin modules. Users/buyers can view auctions and also shows latest auction materials in the application. The flexibility and accuracy is demanded in this. Low utilization of resources is the main usability of this application. Users can anywhere to fix their products as preferable price. Users/ buyer find product by category. Auctions provide a structured environment for sales, while bidding represents the competitive offers made by participants. Both elements are interdependent,contributing to the dynamic and often exciting process of determining market value through competition. The application deal with minimum price and low cost to easily settling devices, materials etc. Admin can Manage the auction. The application latest auction list, we can book items

**1.**

**Introduction**

The Online Bidding Application is developed by .NET . Its .Net Full Stack Project . The application will include user registration and authentication, Item listing and management. The application enables buyers to place book on items. The system notified the highest book for each item. The Online book shop Application is to specify the functional requirements for a web-based auction system. The system will allow users to register, place book, manage items. The application is used to create React in Front End. Users/buyers can view auctions and also shows latest auction materials in the application. The flexibility and accuracy is demanded in

this. Low utilization of resources is the main usability of this application. Users can anywhere to fix their products as preferable price. Users/ buyer find product by category.

.**2.**

**Problem Statement**

The application Online book shop System project is a vast concept and presently very needed and further updations require application is Online booking . The application is developed by .NET framework .React is used in Front end. The timer shows bid that actively going and ended time , day and hour. Some sort of problem we met in backend and Database. We solve maximum . The flexibility and accuracy is demanded in this. Low utilization of resources is the main usability of this application. Users can anywhere to fix their products as preferable price.

Users/ buyer find product by category.

.**3.**

**User Stories (User Case)**

booking

viewbooking

**Login**

Add book

View book

bookings

**5.**

**Technology Stack**

The Online book shop employs a robust and modern technology stack to ensure efficiency, scalability, and maintainability. Below is an outline of the technologies and frameworks chosen for the front end, back end, and database layers of the project.

**Frontend Technologies**

**React**

**Description**: React is a popular JavaScript library for building user interfaces, particularly single-page applications (SPAs). It allows developers to create reusable UI components.

**Usage in Project**:

Book the user interface for buyers, and admins

Handling client-side routing and state management

**HTML5 and CSS3**

**Description**: Standard markup and styling languages used for

structuring and presenting content on the web.

**Usage in Project**:

Structuring web pages and ensuring responsive design

Styling components to create a visually appealing user

interface

**JavaScript (ES6+)**

**Description**: A high-level, dynamic programming language used for

creating interactive web applications.**Usage in Project**:

Adding interactivity and dynamic behavior to the frontend

Enhancing user experience with real-time updates and

asynchronous operations

**Backend Technologies**

**.NET MVC**

**Description**: A framework for building web applications using the

Model-View-Controller (MVC) architectural pattern. It is part of

the .NET framework.

**Usage in Project**:

Implementing RESTful APIs for communication between the

frontend and backend

Managing business logic and application services

Providing a structured way to build scalable web applications

**C#**

**Description**: A modern, object-oriented programming language

developed by Microsoft. It is widely used for building enterprise

level applications.

**Usage in Project**:

Writing the main application logic

Ensuring high performance and scalability

**Entity Framework**

**Description**: An object-relational mapper for .NET, which allows

developers to work with a database using .NET objects and

ADO .NET.**Usage in Project**:

Mapping C# objects to database tables

Simplifying data access and manipulation

**Database Technologies**

**PL/SQL Developer**

**Description**: A tool for developing and managing Oracle databases

using PL/SQL. It provides a development environment specifically

designed for PL/SQL.

**Usage in Project**:

Managing the database schema and writing complex queries

Ensuring data integrity and efficient querying

**Additional Tools**

**Git and GitHub**

**Description**: Git is a distributed version control system, and GitHub

is a web-based platform for version control and collaboration.

**Usage in Project**:

Managing source code and tracking changes

Collaborating with team members

**JIRA**

**Description**: A project management tool used for tracking tasks,

managing sprints, and ensuring timely delivery of project milestones.

**Usage in Project**:

Tracking tasks and progressManaging project milestones and deliverables

**6.**

**Project Structure**

The Online book shop System project is a Java Full Stack application

developed with a robust and scalable architecture. It utilizes **ASP .NET**

**MVC** for the backend and **React** for the frontend. This section describes

the overall architecture and structure of the project, including the

organization of files, directories, and modules.

**Architecture**

The project follows a typical layered architecture, consisting of the

following layers:

**Presentation Layer**: The user interface built with React.

**Service Layer**: Contains the business logic of the application.

**Repository Layer**: Manages data access and persistence using .net

MVC .

**Database Layer**: The underlying database (e.g., PL/SQL

DEVELOPER) that stores application data.

**Directory Structure**

Below is an outline of the directory structure of the Online Bidding

System project:



**Development Environment**

**Integrated Development Environment(IDEs)**

**Visual Studio Code**: An open-source editor with extensive support for

multiple programming languages, including JavaScript and React for

front-end development. It also offers a wide range of extensions to

support full-stack development.

**Version Control System**

**Git**: A distributed version control system that helps in tracking

changes, collaborating with team members, and managing project

versions efficiently.

**GitHub**: A web-based platform for version control and

collaboration. It allows for easy repository management, pull

requests, issue tracking, and continuous integration.

**Database Management Tools**

PL/SQL Developer

SQL Server

**Backend Development Tools**

ASP.NET MVC**Frontend Development Tools**

**Node.js**: A JavaScript runtime environment that allows running

JavaScript on the server side. It's essential for building and

managing React applications.

**npm (Node Package Manager)**: Used for managing JavaScript

packages and dependencies for the frontend project.

**React**: A popular JavaScript library for building user interfaces. It

provides a component-based architecture, making it easier to build

and maintain the UI.

**Additional Tools**

**JIRA**: A project management tool used for tracking tasks, managing

sprints, and ensuring timely delivery of project milestones.**8.**

**Project Management**

**Use JIRA and add a write up**

To effectively manage the Online Book shop System project, we will utilize

JIRA, a popular project management tool. JIRA will help us in tracking

tasks, managing sprints, assigning responsibilities, and ensuring that all

milestones are met on time. It will facilitate smooth communication

among team members and provide a clear overview of project progress.

**Phase 1: Project Initiation**

**Milestone 1**: Project planning

**Deliverable**: Project Plan Document

**Milestone 2**: Requirement Gathering and Analysis

**Deliverable**: Requirement Specification Document

**Phase 2: Planning**

**Milestone 3**: System Design

**Deliverable**: High-Level Architecture Diagram, Database

Schema**Phase 3: Development**

**Milestone 5**: Setup Development Environment

**Deliverable**: Configured Development Environment

**Milestone 6**: Module 1 - Buyer Module

**Deliverable**: Functional Buyer Module

**Milestone 8**: Module 2 - Admin Module

**Deliverable**: Functional Admin Module

**Phase 5: Deployment**

**Milestone 9**: Final Deployment

**Deliverable**: Deployed System

**Milestone 10**: Project Closure

**Deliverable**: Project Closure Report

Each task associated with the milestones will be created and tracked in

JIRA.

9.

**Conclusion**

The choice of .NET and React not only provides a solid foundation for the

current system but also allows for easy scalability and future

enhancements. The system can adapt to growing user bases and

incorporate new features as required. By incorporating real-time features,

the platform ensures that users receive instant updates on book, and statuses, enhancing the overall user experience.

The flexibility and accuracy is

demanded in this. Low utilization of resources is the main usability of this

application. Users can anywhere to fix their products as preferable price.

**10.**

**Appendix**

**Screenshots:Login Credentials**

**Username:admin@gmail.com**

**Password: 1234**











**Reference**

**Hosted Link:**

**https://github.com/**

**Repo Link:**

**https://github.com/Aksaannajose/OnlineAuctionSystem.git**