



CSE3112:Software Engineering Lab

Title: Boikini  
Project Proposal

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# **1 Statement of the Project**

## **1.1 Condition of the Project**

The project is to create a web-based application, where users can browse and purchase books. The application will have a user-friendly interface and allow users to search for books, read reviews, and make purchases. In general, it will include information such as the availability of the book, the price, customer reviews, and a description of the book's contents. Additionally, the website will also provide information on the author, publisher, and publication date of the book. As it is an e-commerce website, it may also include information on shipping options and estimated delivery times.

## **1.2 Justification**

Online bookstores are becoming increasingly popular, as they provide convenience and a wider selection of books to customers. By creating a web-based application for book purchase, we aim to tap into this growing market and provide a new and convenient way for people to purchase books.

## **1.3 Objectives and Goals**

The main objective of the project is to create a user-friendly web application that allows customers to easily browse and purchase books. Our goals include increasing book sales, improving customer satisfaction and encourage people to read more books by making them easily available.

## **1.4 Achievement and Benefits**

By creating this web application, we will learn to build websites and proper way of designing an app. We will use some new frameworks which never used before. So, we will learn using them also. Thus, this project will help a lot to increase our knowledge in the development sector.

## **2 Background to the Project**

### **2.1 Technical Background**

The project will require knowledge and expertise in web development, including technologies such as ReactJS, Python, and Flask. Additionally, we will need to integrate a payment gateway and create a database to store information about the books and customers and will utilize API for books information to provide users with relevant books options in the desired genres.

### **2.2 Commercial Background**

The online book market is growing, and we aim to tap into this market by providing a new and convenient way for customers to purchase books. A commercial background on a website based on book purchases would refer to the business aspects of the website, such as its revenue streams, target audience, and marketing strategies.

### **2.3 Scientific Background**

The project will require knowledge of user interface design and user experience to create a user-friendly application. A scientific background on the technical side of the website and based would focus on the academic and research-oriented books, authors and journals offered on the website, highlighting the level of expertise and scientific rigor of the materials available.

## **3 Project Description**

### **3.1 Product Perspective**

Our product will be a web-based application for book purchase, with a focus on providing a convenient and easy-to-use platform for customers to purchase books.

### **3.2 General Capabilities**

The application will have a user-friendly interface, allow customers to search for books, read reviews, and make purchases. A website may have a search bar that allows customers to quickly find a specific book or browse by category. The website may also have a shopping cart feature that allows customers to add multiple books to their order and check out all at once.

General capabilities on a website based on book purchases would include features that make it easy for customers to find and purchase books, as well as features that enhance the overall customer experience such as account creation, reviews, customer service and shipping options.

### **3.3 General Constraints**

The project will be constrained by time and budget. This would include any limitations or barriers that may impact customers' ability to use or access the website or the books offered on it, such as availability, language, shipping options, payment methods or technical difficulties.

### **3.4 User Characteristics**

The target users for this application will be individuals who are interested in purchasing books online. This would include any attributes or traits of the customers that can be used to understand their needs and preferences such as age, gender, occupation, reading habits, language preference and location.

### **3.5 Operational Environment**

The application will be accessible through any device with internet access. This would include external factors and conditions that affect the day-to-day operations and performance of the website, such as competition, regulations and laws, economy, consumer spending and technology infrastructure.

## **4 Innovation and Entrepreneurship**

### **4.1 Innovation Requirement**

The project aims to innovate by providing a new and convenient way for customers to purchase books. This would include the need for new or improved features, technologies, or business models that could help the website to stay competitive and meet the evolving needs of its customers, such as new technologies, expanded range of books, new business models and better search and recommendation capabilities.

## **4.2 Entrepreneurship Requirement**

The project will require entrepreneurship skills to identify and tap into the growing online book market. This would include the actions and skills needed to successfully launch and grow the website as a business, such as market research, marketing strategy, financial management, and adaptability to change.

## **5 Conclusion**

Overall, the project aims to create a user-friendly web application that allows customers to easily browse and purchase books. The application will tap into the growing online book market, increase book sales, improve customer satisfaction. The project will require technical, commercial and scientific background, and entrepreneurial and innovation skills and thus will help us a lot in the learning process.