

## STUDENT INTERCEDER

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**Abstract** - The business-to-consumer aspect is the most visible business use of the World Wide Web. The primary goal of an online product selling application is to sell goods and services online. This project deals with developing an online web application to sell school products. It provides the user with a catalog of different schools and their products available for purchase in the store. In order to facilitate online purchases, a shopping cart is provided to the user. The system is implemented using 3-tier access, along with a backend database, a middle application server and a web browser as the front-end client. In order to develop a web application, a number of technologies must be studied and appreciated. These consist of multi-tiered architecture, server, and client-side scripting techniques, implementation technologies programming language (such as AngularJS, Typescript) relational databases (such as FIREBASE).

**Key Words**- Front-end client, client side scripting techniques, Back-end databases, AngularJS, Firebase.

### 1. INTRODUCTION

In the world of software development their lots of improvement in the area of Architectural design and principles. The philosophies and implementation technicalities are changing as the people guiding the development of the application. In this fantastic and yet sometimes complex world of software advancement there are some tried and true architecture patterns and software development protocol employed by most architects. Also, your design must have the ability to turn towards innovation instead of lending itself to common practices. Web services are one such field where architects must lean on their innovative side and hope that their solutions are still successful. In this, we will explain an exciting voyage down the road of Web services application. From requirement to use cases, to database composition, to elemental frameworks, to user interfaces, we will cover each and every aspect of system architecture required to build an application with collaborative Web services. The reason why we selected student interceder web service. The objective of this project is to develop an application that will provide school products like books, uniforms, accessories that can be bought from the comfort of home through the Internet.[3] An online school student interceder is a virtual application on the Internet where customers can browse the catalog and select books, uniforms related to that school. The selected products may be collected in a shopping cart. At checkout time, the items in the shopping cart will be conferred as an

order. At that time, more details will be needed to complete the transaction. Usually, the customer will be asked to fill or select a billing address, a shipping address, a shipping option, and payment information such as a credit card number. An email notification is directed to the customer as soon as the order is placed.

### 2. TECHNOLOGY USED

#### 2.1 AngularJS (Front-end)

**AngularJS:** AngularJS is a very powerful JavaScript Framework. It is used to build reactive Single Page Application. It enhance HTML DOM with additional attributes and makes it more responsive to user actions. [1]

#### 2.2 FIREBASE (Back-end)

**Firebase:** Firebase afford a real-time database and backend as a service. Firebase is a technology that allows you to create web applications without server-side programming, making development faster and easier. It supports Web, iOS, OS X and Android clients. Apps that use Firebase can use and control data without thinking about how data is stored and synchronized across different instances of the application in real-time. [4]

### 3. PROBLEM DEFINITION

The Internet has become a major ability in modern business, thus electronic shopping has achieved significance not only from the entrepreneur's but also from the consumer's point of view. The problem arises in the market is sometimes the shopkeeper contains the old edition of books which are of no use, the uniforms that are available in the market are of different sizes, it takes times to deliver the order to the shopkeeper, and the quality of the clothes should be different. The student has to face lots of problems regarding their books, uniforms, and accessories, the logo belongs to that particular school doesn't available in the market and the prices of the products should be more. The government should also ban to sell the school products by a private retailer or any roadside vendors.

Market orders place the order at whatever the ongoing stock price is when the order is received. This means that the price you're viewing, and the price you pay can be different values. There is no return or change the products

options are available by some shopkeepers. Sometimes the communication between the customer and client has become a vast issue. In the case of books, the students have to buy books from school by standing in a long queue. There is no door to door service available in the city. This became a huge problem all over the world for students. Students have wait too long to borrow the books and sometimes the stock is finished. Half of the students don't get any products. There are no shops are available in the nearby rural areas; these students are facing lots of problems regarding their school uniforms, books, and stationery things.

#### 4. AIMS AND OBJECTIVES

##### AIM:

- The main aim behind the proposed system is to provide the maximum resources for the students in one place at one time.
- This project helps in understanding the creation of an interactive web app and the technologies used to implement it.

##### OBJECTIVES:

- Increased understanding and awareness in the world of work accelerated personal maturity, self-awareness and ability to articulate achievements.
- Enhanced employment prospects and ability to compete in a turbulent graduate market place.
- To develop an easy to use web-based interface where users can search for school products, view a complete description of the products and order the products.
- A user can look at the overall specification of the product along with various images and they can also write their own reviews.
- An admin can view the review or feedback of the user along with the order details.

#### 5. PROPOSED SYSTEM

##### 5.1 MODULES

Modules divided:

1. Customer or Student login: In this module, the customer (student and parents) has their own unique id to login to the application and place the order of books, uniforms, and stationeries related to that particular school.

2. Vendor login: - In this module, the vendor has their own unique id into login into the application and works according to the order request, checks the stock of the order and continues the process like order placing and done the payment.
3. Admin (School) login: -In this module, After the further processing is done by the customer or vendor the details of the overall process regarding payment or order placing will be saved in the admin panel

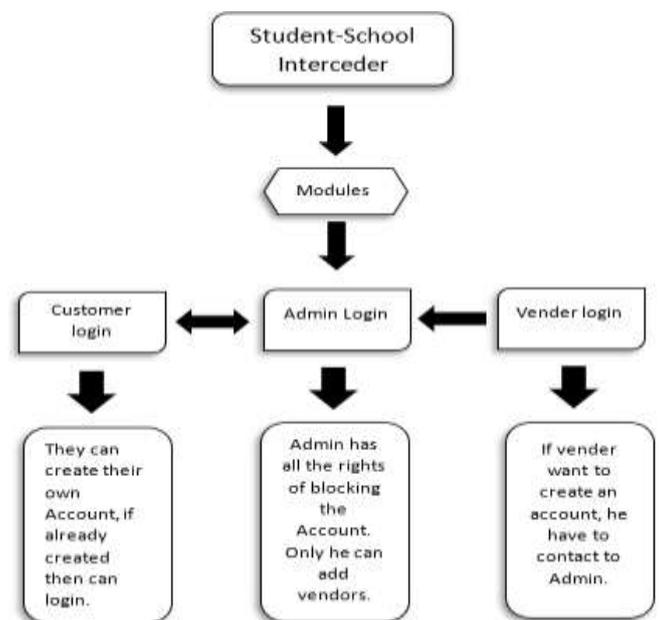


Fig -1: Modules

#### 6. CONCLUSION

Throughout this project, our aim was to develop a web application that provides maximum resources to the students at one time. This will allow customers to place an order without even visiting the shop. This application serves them to research the products so that they have more confidence in what they are buying. The project objective is to deliver the application which would be beneficial for school as well as students. This application serves according to the basic needs of the students related to their education purpose. We can design this application through an angular framework. This application can be divided into three modules, student, vendor, and admin. In this application, the student or customer has to be login into the system and checks the description about all their school-related products and placed the order, now the vendor receives a request of that order and login to the system and proceeds the student order. The data of the final purchasing order will be saved near the admin, and also the customer/student receives a notification of their particular order. We were successful in creating a web application that would be

beneficial for the students as well as schools. In the future also, we have given multiple functionalities to the admin module and vendor portal. So, the customer finds this application enjoyable and easier to use.



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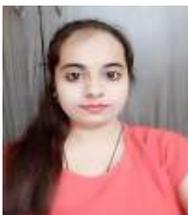


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