**MINI PROJECT-II**

**(2020-21)**

**Second Hand Market**

**SYNOPSIS**



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**INTRODUCTION**

Proposed Second Hand Market is a platform for buying and selling services and goods such as electronics, fashion items, furniture, household goods, cars and bikes. It is a web portal that provides an easy way to sell and buy old products. If you have any product that you would like to sell, you can list them in the Sell Product section. Alternately, if you wish to buy, you can search the Buy Product section. SHM operates an online marketplace for consumer-to-consumer sales, particularly targeting users in emerging markets and it is not going to handle any payment processing, with a view to providing a safe, reliable and efficient way for consumers to buy and sell goods. We can’t trust everyone that the owner of the product will deliver the product after getting money of it, so we simply tie up with courier service for collecting products, delivering products and collecting money from the buyer. After selecting the product for buying and its confirmation, courier person will take care of movement of products from seller to buyer.

**EXISTING SYSTEM**

In present scenario, we are dealing with many frauds and hindrances while using websites like Olx, Quikr etc. when it comes to safe and reliable payment processing. It may happen at times that the owner of the product will not deliver the product after getting money. And sometimes the receiver takes the product and then refuse to give money. Over the years, OLX and Quikr has become a common place for fraud, especially sellers who post fake advertisements to dupe buyers upon receiving advance payment and fraudulent buyers who engage in UPI scam, phishing and sending fake SMSes and emails of bank transfer confirmation.

So, to handle this issue we tie up with courier service who will take cash on delivery from the buyer after taking booking from seller hence no need to make any online payment.

**USE OF THE PRODUCT**

* The SHM will be design to provide a complete system for controlling and monitoring buying and selling products online.
* Buying and selling of products module is used to maintain member registration, product search, listing of product to sell, buy product, display order status.
* All products are going to be categorized for easy search, in home page’s latest tab and top 10 products will be displayed in it.
* The buying and selling of products would be done without any online payment processing. For this, we used payment on delivery concept where buyer gives the payment after taking the book from delivery person.
* This module will be used by the back office user and system administrator to approve the product, member, update courier details, payment processing.

**IDEA**

All people want to sell their old products but they don’t find a suitable customer to sell their product. Also there are people who can’t afford to buy new products at high prices. This website is designed to meet the requirements of both types of people making it easier for them to sell and buy their products at suitable price without any extra charges.

* Buy products at affordable rates.
* Sell at rates of your own choice.
* No wait to see the products if someone else are taking that.

Therefore, I came up with this project.

**SOFTWARE SPECIFICATION**

* **Technology Implemented:**

1. **MongoDB -** MongoDB is a document database with the scalability and flexibility that you want with the querying and indexing that you need.
2. **Express.js** – Express.js is a Node js web application framework, which is specifically designed for building single-page, multi-page and hybrid web applications.
3. **Angular 7** – Angular 7 is a frontend framework.
4. **Node.js** – we are using Node.js as backend technology. It is an open source server environment. It uses java script on server.

The combination of these four technologies is called **‘MEAN Stack’**.

**HTML**: For user interface.

**CSS**: For making interfaces more attractive and stylish.

**Bootstrap 4**: For making website responsive and more attractive.

* **Language Used:** JavaScript
* **Database:** MongoDB
* **User Interface Design:** Website
* **Web Browser:** Chrome

**HARDWARE REQUIREMENTS**

* **Processor:** intel i5
* **Operating System:** Windows 10
* **RAM;** 8GB
* **Hardware Devices:** Computer System
* **Hard Disk:** 256 GB

**FUTURE SCOPE**

* **Buying and Selling of Products:** Buying and selling of products module is used to maintain member registration, product search, listing of product to sell, buy product, display order status.
* **Back Office and Administration Module:** This module will be used by the back office user and system administrator to approve the product, member, update courier details, payment processing.