**Vision Document for “eShoper”**

**Team members:**

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**1. Introduction**

SEGY shopping center has many branches and it has many customers. The customers buy the product form the store by visiting the nearest store. They pick the product on the shelf and make a payment for the cushier. Before then, it was possible to handle costumers need manually in this way. Currently, the numbers of customers are increasing and the trend of commercial transaction and transfer of information is changed across the Internet. In addition, there is a Corona virus pandemic and it is not possible to help all customers in the store. So, SEGY need a software that enables the customer to buy the product online.

The new system will be a web based application which will have different stockholders such as the administrator, sellers and buyers. Administrator works on system configurations and monitor and approval of seller’s membership. Seller is a merchant who sales his/her product on our application. A seller will post a product and follow-up ordered, shipped and delivered ordered products. The buyer is someone who wants to purchase a product item/s on SEGY system and make a payment.

In addition of the above, the system notifies the customer or buyer about the product status i.e. shipped, on the way or delivered.

**2. Positioning**

**2.1 Problem Statement**

|  |  |
| --- | --- |
| The problem of | *Increasing the number of customers, trend of commercial transaction to cloud and COVID19 pandemic.* |
| Affects | *Store admins, sellers and buyers* |
| the impact of which is | *Visiting many customers to our offline store and make payment manually is difficult to handle* |
| a successful solution would be | *Implementing online ecommerce system. This tool will provide a database and a user interface that will be easy to use for admins, seller and buyer.* |

**2.2 Product Position Statement**

|  |  |
| --- | --- |
| For | *Admins, Sellers and buyers* |
| Who | *The system will be used by allowed admin users, registered sellers and logged in buyers who wants to purchase a product.* |
| The (product name) | *is a SEGY e-commerce* |
| That | *Helps us to reach every customer easily and minimize waiting queue in our store* |
| Unlike | *[primary competitive alternative]* |
| Our product | *[statement of primary differentiation]* |

**3. Stakeholder Descriptions**

**3.1 Stakeholder Summary**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibility** |
| Admins | Admin approve, delete and disable registered sellers, create product categories, and maintain system users. | Admins are responsible for configuration and setting up the system users, approve or deny sellers, provide seed data of the sysetm, see total transaction. |
| Sellers | Seller is someone who registers to sale a product, and posts a product, follow-up orders and payment details of his products, and notify buyers. | Seller is responsible to create, update, delete a product, update order status of purchased item |
| Buyers | Buyer registers to buy a product and make payment | Buyer is responsible to select product, checkout and pay for it. |
| Developers | Developers develop the system on the basis of a given document | Developers are responsible for developing system features, fixes bugs, and maintain the system’s availability |
| Testers | Testers use jUnit or other mocking tool to test system’s integration test | Testers are responsible for integration test |

**3.2 User Environment**

*SEGY eShopping will be an online web application system which will be accessible to any user without differentiating device platform including mobiles and desktops. There are four team members involved in completing this project and it will takes three weeks development time. SEGY is a standalone application it doesn’t have any external dependencies except the credit card payment getaway and validation. The system allows unlimited number of concurrent users and will be available 24/7 online.*

**4. Product Overview**

**4.1 Product Perspective**

*SEGY eShopping is simple ecommerce system and is totally self-contained. It will have three different components i.e. admin part, seller, and buyer modules.*

**4.2 Assumptions and Dependencies**

*SEGY eShopping has two major assumptions:*

1. *Every payment transaction will be considered as successful transaction. We don’t have credit card validation system.*
2. *Any cancel or refund request by seller or buyer will be done successfully. We assume that deducted money will be returned on its own.*

**4.3 Needs and Features**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***No.*** | ***Problem*** | ***Need*** | ***Priority*** | ***Features*** | ***Planned Release*** |
| ***Administrator*** | | | | | |
|  | *Increasing number of registered sellers* | *Provide online form to approve seller membership* |  | *Admin must be able to approve new or existing seller with disabled status* |  |
|  | *Seller is always active* | *Admin need to activate or deactivate seller membership* |  | *Admin must able to change membership status* |  |
|  | *Seller post product for sale* | *Only approved sellers post products for sale* |  | *Admin able to approve before able to post products* |  |
|  | *Can anyone post product rating or feedback* | *Only admin approved ratings and comments will be displayed* |  | *Admin must able to approve, delete feedbacks and ratings* |  |
|  | *Creates product category* | *Have product category submission* |  | *Admin must able to create new, edit or delete product categories.* |  |
| ***Seller*** | | | | | |
|  | *How to identify a seller* | *To provide sellers form and helps us to differentiate sellers from other users* |  | *Sellers must use seller form submission to be a seller user.* |  |
|  | *Can a seller post product for sale* | *Provide product submission form* |  | *Approved sellers can post products for sale* |  |
|  | *Who can see order details* | *Provide list of order details* |  | *Every seller can see his or her own product orders* |  |
|  | *Order status update* | *Will have order status update* |  | *Sellers must be able to change their product’s order status* |  |
| ***Buyer*** | | | | | |
|  | *Who is a buyer* | *Have buyers registration form* |  | *Users creates their accounts on buyers form are buyrs.* |  |
|  | *Select products and checkout* | *Will have a user interface to select items and checkout for payment* |  | *Buyer will select set of item want to purchase* |  |
|  | *Make payment for checkout* | *Provide payment detail form to have credit card details* |  | *Buyers must provide valid credit card in order to purchase successfully* |  |
|  | *Get order notification* | *Will have notification to incase of order status changed* |  | *Buyers must receive order status notification in case of ordered status changed* |  |

**4.4 Alternatives and Competition**

*There are different competitor’s online shopping companies such as: Think, Alibaba or Amazon. Our system is homegrown firm and easy to use.*

**5. Other Product Requirements**

*SEGY eShopping will be high quality, robust, fault tolerant, maintainable, usable and available 24/7.*