**Name: Kalabe Kebede**

**ID: 112134**

**Lab4b­-Requirments-Solution**:

**User- Story -Map:** User story mapping is a visual exercise that helps [product managers and development teams](https://www.aha.io/roadmapping/guide/product-management/what-makes-up-the-product-team) define the work that will create the most delightful user experience. It is used to improve your understanding of your customers and to prioritize work.

**In this user story mapping**, I create a dynamic outline of a representative user’s interactions with the product, evaluate which steps have the most benefit for the user, and prioritize what should be built next.

Timeline

Description automatically generated with medium confidence

**Acceptance criteria for Seller:** As a seller, I can add products to be sold in the market so that my products can be seen by buyers.

* Product quantity should be more than zero.
* Product must have a name.
* Product must have a description.
* Product must have a price.
* Product cannot be a duplicate of another from the same seller.
* Only new products no used ones

**Acceptance criteria for Buyer:** As a buyer, I can check out my shopping cart (order) so that I can buy products.

* Order must contain at least one product.
* Order must have a shipping address.
* Order must contain valid payment information.
* Payment must be accepted first.
* Product must be in-stock.

**Acceptance criteria for Admin:** As an admin, I can approve seller registration so that approved sellers sell their products on the site.

* User must be registered as a seller.
* User must provide an email.
* User must provide full name.

**1. add product Scenarios:**

1. Seller login into the system.

2. System shows all seller products and an option to add products.

3. Seller chooses to add product.

4. System displays new product form.

5. Seller enters product name, description, quantity, images, and price, and submits it.

6. System displays a success message for adding a product.

7. System goes back to point #2.

**If the seller enters the wrong data in the form fields:**

6. System displays an error message above each required field.

7. Seller corrects information and submits again.

8. system displays the success message of adding a product.

9. System goes back to point #2.

**If the product is a duplicate for the same seller:**

6. System displays a message mentioning this is a duplicate product.

7. Seller corrects information and submits again.

8. system displays the success message of adding a product.

9. System goes back to point #2.

**2. checkout shopping cart Scenarios:**

1. Buyer enters login information.

2. System displays all products.

3. Buyer adds Products to the cart.

4. Buyer requests shopping cart checkout.

5. System displays the products in the shopping cart and the total price.

6. Buyer confirms this process.

7. System displays checkout form.

8. Buyer enters shipping address, payment details, and billing address and then submits.

9. System displays placed order receipt and options to download the receipt and an option to go back to all products view.

**If the product is out of stock:**

3. System displays an out-of-stock message.

4. System goes back to all products view.

5. Buyer adds other products to the shopping cart.

6. continue at point #4 of the main scenario.

**If payment fails:**

9. The system displays a message that the payment is not valid.

10. Buyer enters different payment information.

11. continue at point #9 of the main scenario.

**If Address requirements are missing:**

9. The system will display an error over the required address information.

10. Buyer will enter the correct information and submit.

11. continue at point #9 of the main scenario.

**3. approve seller registration Scenarios:**

1. Admin enters the login credentials.

2. The system displays an option to the list of newly registered sellers and an option to the list of reviews.

3. Admin selects a list of sellers.

4. System displays the list of newly registered sellers that are pending to be approval.

5. Admin selects approve seller on a seller of his/her choice.

6. System displays a success message.

7. System goes back to point #4.

**If admin denies seller:**

5. Admin selects deny seller on a seller of his/her choice.

6. System displays that the seller has been successfully denied.

7. Continue at point #4 of the main scenario.