

## 1. SCRUM ROLES

### Product Owner

Any member can register and view available products.

Only registered member can purchase multiple products regardless of quality

Contact US page is available to contact Admin for queries.

There are three roles available:

- Admin
- Customer
- ❖ User can view and purchase products.
- ❖ An admin has some extra privilege including all privilege of user.
  - ✓ Admin can add products, edit product information and add/remove product.
  - ✓ Admin can add users , edit user information and can remove user.
  - ✓ Admin can ship order to user based on order placed by sending confirmation mail.

### Scrum Master:

Sprint (1-4 weeks)

Daily Scrum

- Done since last meeting
- Plan for today

### Team :

Its's integrated by 3-9 members and includes software engineers, QA experts, and UX/UI designers.

## 2. Prioritize and estimate the product backlog

A product backlog is a list of the user stories or ecommerce features that the team determines to work in each development cycle. It prioritizes the

requirements based on the importance to the project and the Product Owner. The team needs to consider the full purchase process to divide complex features into small user stories that make the ecommerce development easier and faster.

After the product backlog creation, the team estimates how much work will each feature take. Instead of estimating in hours, it can use the Fibonacci numbers (1,2,3,5,8,...) to equal in value the points and development hours.

### **3.Sprint Planning :**

Sprint(1week) -1:

- Create Home page with sample products
- Any member can register and view available products.

Sprint(2 week)-2 :

- Only registered member can purchase multiple products regardless of quality
- Contact US page is available to contact Admin for queries.
- An admin has some extra privilege including all privilege of user.

Sprint(3 week)-3:

- Admin can add products, edit product information and add/remove product.
- Admin can ship order to user based on order placed by sending confirmation mail.

Sprint(4 week)-4 :

- User can view and purchase products.
- Handle all user operations.

### **4. Daily Stand-Up :**

This is a daily brief meeting guided by the scrum master where the team shares the status of work. The attendees typically participate while standing in order to have an agile communication. All of the members synchronize their advances by answering 3

questions: what did I did yesterday?, what will I do today?, and what blockers do I have to move forward?

The scrum master handles the blockers that appear and helps the team to keep the ecommerce development process in a continuous flow.

## **5.Sprint Demo/Evaluaion:**

At the end of each sprint, there is a meeting where the Product Owner, Scrum Master and team discusses the goals that have been achieved. Everyone presents their work for the Product Owner to approve or reject the user stories that the team developed. The team will consider the features that need rework for the next sprint, if it determines their priority in the product backlog estimation.

When you implement Scrum in your ecommerce development you can ensure that the process will keep agile and your final product will be ready to launch in the market.

