

# **Project Development using Agile Methodology**

It is based on the close cooperation between businesspeople and developers. The Agile software development process frequently takes the feedback of workable products. The workable part of product development delivers after every 15 days of iteration. It is a flexible methodology.

## **Team Members**

Every Agile team contains self-sufficient team with 5 to 9 members. Experienced members. Team members—3-4 developers 1 tester 1 technical lead 1 scrum interface 1 product owner.

## **Roles and Responsibilities of members**

### **Scrum Master**

He organizes daily standup meeting and discuss about the last day tasks up coming tasks and the issues faced if any while completing the task. He plans the tasks accordingly by discussing with the project owner and concludes to a deadline of completing the project and its submission. The scrum master handles the obstacles that appear and helps the team to keep the development process in a continuous flow.

### **Product owner**

Product owner is the one who runs the product from a business perspective. He also defines the requirement and prioritizes their values. Owner interacts with the scrum master after every 15 days or in between to see the progress of the development.

### **Agile team plan**

They have a group of methodologies that demonstrate a commitment to tight feedback cycles. The team work in iterations to deliver the customer requirements. The team decides how many hours available with each team to perform their planned task.

## Sprint Planning :

Results of Sprint planning:

- ❖ Continuous Integration
- ❖ Continuous testing
- ❖ Continuous Improvement
  - Sprint(1week):
    - ◆ Create Home page with sample products
    - ◆ Any member can register and view available products.
  - Sprint(2 week) :
    - ◆ 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):
    - ◆ 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):
    - ◆ User can view and purchase products.
    - ◆ Handle all user operations.

## Sprint backlog:

Sprint 1: (Planning)

- Blueprint of application
- Physical Goods to be enlisted

- Handle shipping and logistics
- Providing Customer Service.

#### Sprint 2: (Design and Development)

- Signup, Login, Profile Page to be made and connect it to database
- Enlisting products on the application
- Categories to be made
- Brands to be enlisted
- Payment gateway to be used.

#### Sprint 3: (Testing)

- Application Development
- Testing of all functionalities
- Integrity Check