# Asginment | Task 2: Agile and Scrum

## Requirements

### Functional Requirements

- Large selection of items
- Intuitive UI for sellers, buyers and delivery personnel separately.
- Giving delivery personnel their dashboard
- Sort products based on originality
- Having separate and modifiable pages for associated sellers.
- Ordering products based on location.
- User-Auth, also differentiate between sellers buyers and delivery personnel.
- Region-specific dialect.
- Cross-device Cart.
- Top-of-the-line CRM.

### Non Functional requirements

- 90% of code testing coverage.
- ISO standards for all modules.
- Check if the seller is abiding by the laws of government and unions.
- Encrypted storage of user info.
- Low-cost maintenance website.
- Creating a highly available and reliable Big data store for the product.

## Timeline

### Time info :

- Start date: 1/1/22
- End date: 27/03/22
- Number of Sprints : 3
- Duration of sprint: 4 weeks

# Modules/Components | Score: Product Backlog :

- Product listing module | Score: 15
    - Search bar | Score: 4
    - Put high-rated products first | Score: 3
    - Put original products first | Score: 2
    - Order products based on location and estimated delivery time | Score: 3
    - Filtering products | Score: 3
- Initial Landing page | Score: 5
    - Basic Page
    - Sponsored products
- Associated Company pages | Score: 10
    - Make the Associated company page show up in searches
    - Design team to help companies create their page
- Users Module | Score: 42
    - User Auth [diffrentiate between buyers, sellers and delivery personnel] | Score: 6
    - Languages | Score: 6
    - Buyers | Score: 10
        - Orders
        - Cart [For Buyers]
    - Seller | Score: 15
        - Listed/Listing products [ For sellers ]
        - Ratings of listed products
        - Buyer Feedback
        - Financial reports
        - Updates page (Acts as a line of comm between stakeholders and sellers)
        - Check if listed products are government compliant
    - Delivery personnel | Score: 10
        - Available deliveries
        - Pending deliveries
        - Made deliveries
        - Updates page (Acts as a line of comm between stakeholder and delivery personnel)
- CRM module | Score: 12
    - CRM chat [Chat on both support side and buyer side]
    - CRM information

# Sprints

## Sprint 1 | Achieving story points : 46

1. Split Up [Score: 5]

```
- Assign team roles
- According to split research topics.
```

2. Build Needs [Score: 5]

```
- Setting up a Build server
- Including CI/CD pipelines
- Initiate some basic unit tests
```

3. Communication and Collaboration needs [Score: 5]

```
- Set up Version Control Systems
- Setup up communication channels
- Integrate comms and VCS
```

4. Research Review [Score : 3]

```
- Get clients developers and stakeholders together
to make sure the research is in spec with requirements.
```

5. Creating Prototype [Score: 10]
6. Prototype Review [Score : 3]

```
- Get clients developers and stakeholders
together to make sure the prototype is in
spec with requirements.
```

7. Initial Landing page module [Score: 5]
8. Users Module: Buyers [Score: 10]
9. Beta release - 1

## Sprint 2 | Achieving Story points: 60

1. User Auth [Score: 6]
2. Product Listing module [Score: 15]
3. Testing [Score: 8]

```
- Setup Dummy data
- Write Unit tests
```

4. User Modules: Languages [Score: 6]

5. User Modules: Sellers [Score: 15]

6. Merging Components [Score: 10]

7. Beta release - 2

## Sprint 3 | Achieving story points : 51

1. Payment Gateway [Score: 6]

```
  - Use existing payment gateway as per stakeholders' needs
```

2. Review [Score : 3]

```
  - Make sure all modules and built products are on par
 with stakeholders needs
```

3. Responsiveness Check [Score: 10]

```
  - Make sure the website pages and modules so far comply
 with devices of all sizes
```

4. CRM Module [Score: 12]

5. User Modules: Delivery personnel [Score: 10]

6. Legal Acceptance page for all users [Score : 3]

7. Merging Components [Score: 7]

8. Alpha release - 1

## Sprint 4 | Achieving story points: 40

1. Unit testing all previous modules [Score: 10]

2. Associated company page [Score: 10]

3. Final Review and changes [Score: 10]

4. Production release [Score: 10]

# Burndown Chart

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Goal Velocity — Remaining