Asginment | Task 2: Agile and Scrum

Requirements

Functional Requirements

- Large selection of items
- Intuitive UI for sellers, buyer and delivery personnel seperately.
- Giving delivery personnel their own dashboard
- Sort products based of originality
- Having separate and modifiable pages for associated sellers.
- Ordering products based location.
- User-Auth, also diffrentiated between sellers buyers and delivery personnel.
- Reigon 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 seller is abiding by laws of government and unions.
- Encrypted storage of user info.
- Low cost maintainance website.
- Creating highly available and reliable Big data store for 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 Associated company page show up in searches
- Design team to help companies create their own page
- Users Module | Score: 42
  - User Auth [diffrentiate between buyers, sellers and devliery 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 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 line of comm between stakeholder and devliery 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 split research topics.
```

2. Build Needs [Score : 5]

```
- Setting up 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 reasearch 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 gatewat as per stakeholders needs
```

2. Review [Score : 3]

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

3. Reponsiveness 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