

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 [differentiate 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 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 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 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 gateway as per stakeholders needs

2. Review [Score : 3]

- Make sure all modules and built products are in 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]