|  |  |  |
| --- | --- | --- |
| Project | Project Manager | Date |
| POS System | Raghavendra Reddy | **TBD** |

|  |
| --- |
| Justification |
| **Requirement:**   * Enable stores to onboard this automated solution and attract a bigger customer base while going automated way and save cost through Pay as you go model and having localized presence with less inventory in store. * Enable shoppers to have a consistent experience across its stores under similar brand Options for customers to install as an app and do self-billing within store and checkout. * The POS system should have extensibility to ensure data sync with online channel, enabling improved customer experience.   **Solution:**   1. Vendors onboard the platform by adding their product details and inventory 2. Add and update inventory in offline stores and add barcode scanner for the payment 3. Customer will enter the store. Search the required product and try it 4. Make payment using barcode scanner 5. Item will be delivered to their preferred address, walk out of store without carrying anything   **Workflow:**  **Enter the store------→ Try different dresses---------→found fit, scan the bar code------→ Download app --- ------→Login-----→checkout----→ payment --------→ Order Summary -------→To be delivered to the delivery address-------walk out of store carrying nothing.** |

|  |  |
| --- | --- |
| **Scope Description** | |
| **In Scope** | Must (M), Should (S), Could (C), Won’t (W) |
| List of functionalities | **Must:**  1.Customer:   * Register user * Add update Address * Search product and select in offline store * Proceed to checkout page for payment   2.Vendor   * Store onboarding * Add update product details * Add and update product inventory * Add and update product prices   **Should:**  Customer:   * Add order to cart or Wishlist * Make payment using dummy services * Email and message notification using dummy services * Cancelling the order * Integration with delivery services for product delivery   Vendor:   * Update inventory real time * Update prices in real time   Application:   * Add localization support for different region customers * Role based authorization   **Could:**  Customer:   * A personalized banner having recommended products, recently viewed products and new products on the site.   It will be generated once a day for a user using batch jobs.   * See order history * Get latest offer and discount notification * Best seller products for a category * Generate and see invoice * Birthday, anniversary discounts notification for upselling   Vendor:   * Add update offers and discounts * Online and offline store data sync   Admin:   * Reconcile the payment done * See reports of product ordered by category * Create multiple reports based on requirement   **Non-Functional requirement:**   * Logs monitoring * Microservices health monitoring * Performance with Auto scaling - Scalable to 50k * PII data will be encrypted in database * Fraud monitoring – for return, cancellation * Availability Replication of services better uptime   Wont:   * Get real time recommendation based on order history and best seller products * Multi-Tenancy * Concurrent Sessions of user |
| **Out of Scope** | Must (M), Should (S), Could (C), Won’t (W) |
| List of functionalities | * Payment integration with third party * Message notification third party integration * Email notification third party API integration * Social sharing of products * Regulatory requirements specify any compliance with local or national laws * Reviews and feedbacks |

|  |
| --- |
| Business Objectives |
| * MVP will be delivered at end of this program. * Notification will be sent to customers based on their order history for better sales * Latest offers and discounts notification will be sent to customers * Personalized offers will be generated based on customer wish list for better conversion rates * Localization added for better customer experience |

|  |
| --- |
|  |
| Project Deliverables |
| * MVP * Assumptions * Architecture (Application, Data, Network, Security, Physical) * NFRs like availability, scalability, localization, Security requirements such as SQL injection prevention, and data safety specify how the data should be transmitted, stored, and protected to guard against hacking attacks * Monetization * Data model and DB strategy * Batch processing scenarios * Reporting * Tech stack, choices of tools, extensibility, future readiness * Integration and real time/ near real time integration * Channel Integration (online - Offline) * Plan, Estimates, milestones, sizing, end to end * Platform set up, Devops, monitoring * Dojo Tool usage * Solution coverage uniqueness and extensibility. * Accelerators and POVs produced as a result |

|  |
| --- |
| Project Exclusions |
| * Regulatory requirements specify any compliance with local or national laws * Search based on products * Adding reviews and feedback |

|  |
| --- |
| Constraints |
| * Mobile application for barcode scan and payment * Third party Integration |

|  |
| --- |
| Assumptions |
| * Use dummy services for payment * Use dummy service for email notification * Use dummy service for message notification |