

System Spec
for
Highland Fayre



The Company

Highland Fayre, established in 1985, has evolved from a small business focused on wild smoked salmon to Scotland's premier luxury hamper company.

They specialize in creating bespoke hampers tailored to company requirements and individual budgets.

Their product range is extensive, including various themed hampers like cheese & wine, chocolate, and sustainable options.

They are known for their exceptional customer service and attention to detail, which has earned them a leading market rating. Highland Fayre also offers a personalized gift service with in-house laser engraving for unique, custom gifts.

Their commitment is to provide high-quality gifts that make recipients feel special. For more detailed information, you can visit their website highlandfayre.co.uk.

Current System

DataPulse, an established CRM system, has been instrumental in managing various business functions. It excels in inventory management, particularly in handling stock and components, termed as constituents. This system automates the generation of purchase orders in response to sales orders, a feature that efficiently manages inventory, including multipacks as stock items. In product management, DataPulse offers flexibility, allowing for the assembly of products from selected constituents, accommodating both custom and predefined product needs.

The system serves a diverse customer base, effectively segmenting between corporate and consumer clients. This segmentation aids in targeted marketing and personalized customer service. DataPulse's capability to export customer data is a crucial feature, enhancing customer relationship management and enabling businesses to leverage this data for strategic decisions. Integration with Xero, an accounting software, underscores its utility in financial management, ensuring consistency and accuracy in financial records.

DataPulse also boasts comprehensive management reporting tools, providing businesses with crucial insights into sales trends, stock levels, and detailed analytics. These tools are essential for strategic planning, offering a clear picture of business performance and areas needing attention. Additionally, the system caters to specific product requirements like allergen and ingredient tracking, vital for businesses in the food and healthcare sectors.

Despite these capabilities, DataPulse, as an older system, faces challenges in keeping up with the latest technological advancements. Its limitations in integration capabilities with newer technologies and potential inefficiencies in handling contemporary business demands highlight the need for an upgrade. A modern replacement for DataPulse should aim to retain its core functionalities while incorporating advanced features like cloud integration, real-time data processing, enhanced user interface, and better scalability to meet current and future business requirements.

New System Key Features

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|-----|---|
| 1. | Customer Management |
| | <ul style="list-style-type: none"> Comprehensive profiling and history tracking. Segmentation capabilities for targeted marketing and service. |
| 2. | Supplier Management |
| | <ul style="list-style-type: none"> Assign constituents (stock/components) to suppliers. Automated PO generation when sales orders exceed stock levels. Integration for multipack management as stock items. |
| 3. | Constituents Management |
| | <ul style="list-style-type: none"> Detailed cataloging with modern image support. Inclusion of ingredient and allergen information. |
| 4. | Product Management |
| | <ul style="list-style-type: none"> Integration of images and VAT calculation based on constituent VAT rates. Configurable discounts for resellers. Flexible stock allocation options (product stock, pre-stock, constituent stock). Display of allergens and ingredients. |
| 5. | Reseller Management |
| | <ul style="list-style-type: none"> Integration as part of the supply chain, with tailored pricing and invoicing options. |
| 6. | Quoting System |
| | <ul style="list-style-type: none"> Build quotes using constituents or select existing products. Functionality to copy and edit products for custom quotes. Export options in PDF or PowerPoint formats, including allergen information. |
| 7. | Purchase Orders |
| | <ul style="list-style-type: none"> Streamlined creation and management. |
| 8. | Sales Order Management |
| | <ul style="list-style-type: none"> "Create invoice now" feature. Flexible stock deduction options. Note-adding capability and interlinking with other orders. Allow discounts per line item |
| 9. | Invoice Management |
| | <ul style="list-style-type: none"> Consolidated invoicing for resellers. Selection of sales orders for invoicing. |
| 10. | Stock Management |

- Minimum stock level settings for constituents.
- Real-time stock level monitoring.

11. **Collaboration Tools**

- Shared to-do lists, diaries, and calendar functions.
- Chat and alert system with user tagging and immediate response or scheduling options.

12. **Dashboard**

- Customizable with various modules and graphs.
- Real-time data visualization.

13. **Customer Segmentation**

- Separate interfaces and functionalities for corporate and consumer customers.

14. **Data Export**

- Efficient customer data export capabilities.
- Integration with Xero for financial data management.

15. **Management Reporting**

- Comprehensive reporting tools for sales, stock, year-to-date analytics.
- Custom report builder with options to include allergen and ingredient information.

16. **E-commerce Integration**

- API integration with Shopify and possibly Amazon for seamless e-commerce functionality.

New System in More Detail - Features

1. **Customer Management:** For the new system's Customer Management feature, the data model will include essential attributes for a comprehensive customer profile. This would encompass CustomerID (unique identifier), Name, Email, Age, Gender, and Location for basic demographics. Additionally, PurchaseHistory (a record of past purchases) and Preferences (indicating product likes/dislikes) are included for behavioral segmentation. The system will support dynamic tagging, allowing users to categorize customers based on behavior, e.g., 'VIP' for high spenders. Filtering functionality enables marketers to segment the customer base for targeted campaigns, such as reaching out to customers with specific purchase behaviors or demographic attributes. This structured approach ensures personalized marketing strategies can be effectively implemented.
2. **Supplier Management:** The Supplier Management feature simplifies the process of managing supplier relationships and automating purchase orders. Within this feature, suppliers are linked to specific stock components, allowing for efficient tracking and communication. When sales orders surpass stock levels, the system generates purchase orders, streamlining the procurement process. Integration with supplier systems ensures real-time updates on inventory levels and seamless order processing. Supplier data models include essential attributes such as SupplierID (a unique identifier), Name (the supplier's name), and ContactInfo (comprising Email and Phone for communication purposes). Additionally, the data model includes AssociatedConstituentIDs, which stores the IDs of stock components associated with each supplier. This structured data model enables the effective management of supplier information and simplifies the automation of purchase orders.
3. **Constituents Management:** The Constituents Management feature focuses on maintaining a detailed catalog of stock components, commonly referred to as constituents. It offers support for high-resolution images and comprehensive metadata, including ingredient and allergen information. This feature ensures that all product details are accurately documented for enhanced transparency and regulatory compliance. The data model for constituents includes attributes like ConstituentID (a unique identifier), Name (the constituent's name), Description (a brief summary), Image (to store high-resolution images), Ingredients (a list of ingredients used), and Allergens (details about allergens present). This structured data model facilitates effective cataloging and documentation of all stock components.
4. **Product Management:** Product Management encompasses the assembly and configuration of products using constituents. It integrates images and calculates VAT based on constituent VAT rates, ensuring accurate pricing. Discounts for resellers can be set, and flexible stock allocation options (product stock, pre-stock, constituent stock) are available. The system displays allergen and ingredient information for product transparency. For the VAT calculation algorithm, consider each product as composed of various constituents, some VAT-rated and others not. The algorithm would tally the number of VAT-rated items and non-VAT-rated items within a product. Then, apply the appropriate VAT percentage to the cost of VAT-rated items, ensuring the final product price reflects the mixed VAT status. This process requires detailed item-level tracking within the product management system to accurately assess and apply VAT. The data model for products includes attributes such as ProductID (a unique identifier), Name (the product's name), Description (a brief product summary), Image (to display product images), VATPercentage (calculated based on constituent VAT rates), ResellerDiscount (configurable discounts

for resellers), and StockAllocation (specifying stock allocation options). Additionally, the data model includes Allergens (details about allergens present) and Ingredients (a list of ingredients used). This comprehensive data model supports the effective management of product information and pricing. These should allow discounts to be applied.

5. **Reseller Management:** Reseller Management is a crucial component of the system, providing a portal for resellers to interact with the supply chain efficiently. Resellers can view products, place orders, and track shipments seamlessly. The feature includes tailored pricing and invoicing options for resellers, ensuring a smooth experience. Security specifications are implemented to control data access, safeguarding sensitive information. The data model for reseller management incorporates attributes such as ResellerID (a unique identifier for each reseller), Name (the reseller's name), ContactInfo (comprising Email and Phone for communication), PricingTier (indicating the reseller's pricing level), and InvoiceDetails (to store invoicing preferences). This structured data model supports personalized interactions with resellers while maintaining data security.
6. **Quoting System:** The Quoting System feature streamlines the process of creating quotes for customers. Users can build quotes using constituents to construct custom products or select existing products and modify them as needed. Export options in PDF or PowerPoint formats are available, facilitating easy sharing and editing. Crucially, allergen information is included in the quotes for transparency. The data model for quoting system includes attributes such as QuoteID (a unique identifier for each quote), CustomerID (indicating the customer associated with the quote), QuoteDetails (storing the list of products and quantities), and Format (specifying the format of the quote, either PDF or PowerPoint). Additionally, the data model includes Allergens (details about allergens present in the quoted products). This structured data model supports efficient quote creation and management.
7. **Inventory and Orders:** Inventory and Orders encompass Purchase Orders, Sales Order Management, and Invoice Management. These features provide workflows for handling orders and managing inventory effectively. Users have the option to create invoices instantly, and various stock allocation logic is in place to ensure accurate order fulfillment. Additionally, notes can be added to orders, and interlinking between different orders enhances order management. The data model for inventory and orders includes attributes such as OrderID (a unique identifier for each order), CustomerID (indicating the customer associated with the order), ProductDetails (storing the list of products and quantities), Status (tracking the order status), and Notes (providing a space for adding order-specific notes). This structured data model streamlines order processing and ensures timely delivery. The Sales Order and Invoice Management feature is designed to streamline the creation, tracking, and management of sales orders and invoices within the system. This feature ensures a seamless transition from order placement to invoice generation and payment processing, providing both flexibility and efficiency in handling sales transactions. Key functionalities include the ability to instantly create invoices, apply flexible stock deduction options, add detailed notes and link related orders, offer item-wise discounts, and manage consolidated invoicing for resellers.
8. **Stock Management:** Stock Management is a vital component of the system, ensuring that the inventory of constituents and products is efficiently controlled. To maintain optimal stock levels, parameters for minimum stock levels are defined. The system includes a notification system for reordering when stock falls below the minimum threshold. Real-time stock monitoring provides a clear overview of inventory levels. The data model for stock management includes attributes such as StockItemID (a unique identifier for each stock item), Name (the name of the stock item), Quantity (the current quantity in stock), MinimumStockLevel (the minimum threshold before reordering is triggered),

and ReorderNotification (a flag to indicate whether notifications are enabled). This structured data model supports effective inventory management.

9. **Collaboration Tools:** Collaboration Tools are designed to enhance teamwork and productivity within the system. Users have access to shared to-do lists, diaries, and calendar functions. The feature includes a chat and alert system, allowing users to tag colleagues for immediate attention. Users can view tagged items and respond promptly or schedule them for later action. The data model for collaboration tools includes attributes such as ItemID (a unique identifier for each collaborative item), ItemType (specifying the type of item, e.g., to-do, diary, calendar entry), Content (the content of the item), Assignee (indicating the user responsible for the item), and Timestamp (capturing the date and time of item creation). This structured data model enhances teamwork and task management.
10. **Dashboard:** The Dashboard feature offers users a customizable and visual overview of key metrics and data. Users can select various modules and data visualization tools to tailor their dashboard to their preferences. Real-time data processing ensures that the information presented is up-to-date and relevant. The data model for the dashboard includes attributes such as ModuleID (a unique identifier for each dashboard module), Title (the title or name of the module), Content (the content displayed within the module), and VisualizationType (indicating the type of data visualization used, e.g., chart, graph, table). This structured data model empowers users to monitor critical data at a glance.
11. **E-commerce Integration:** E-commerce Integration is a pivotal feature that facilitates seamless interaction with external e-commerce platforms such as Shopify and potentially Amazon. This integration requires robust API integration, enabling data flow between the system and the e-commerce platforms. Synchronization mechanisms ensure that product information, orders, and customer data remain consistent across platforms. The data model for e-commerce integration includes attributes such as IntegrationID (a unique identifier for each integration), PlatformName (specifying the e-commerce platform, e.g., Shopify, Amazon), IntegrationType (indicating the type of integration, e.g., product sync, order sync), and SyncFrequency (defining how often data synchronization occurs). This structured data model ensures smooth cross-platform interactions.
12. Display of fields on any feature, all fields displays should be customisable allowing users to change what they can see so it suits them and displays best for them.

New System in More Detail - Scalability

1. **Database Scalability:** The system will rely on a robust database management system (DBMS) capable of handling substantial data growth. We will consider cloud-based databases or distributed database solutions to ensure scalability. Data partitioning and sharding strategies will be implemented to distribute data across multiple nodes or servers, preventing database bottlenecks.
2. **Load Balancing:** Load balancing mechanisms will be in place to evenly distribute incoming requests across multiple servers. We will use dedicated load balancer hardware or software-based load balancing solutions. This ensures that no single server becomes a performance bottleneck during periods of high traffic.
3. **Vertical Scaling:** Each system component will be designed to accommodate vertical scaling. Resources such as CPU, RAM, and storage can be upgraded as needed to handle increased loads. This flexibility allows us to meet growing demands without major architectural changes.
4. **Horizontal Scaling:** The system architecture will support horizontal scaling by adding more servers or instances. Components like web servers, application servers, and database servers can be replicated to meet the demands of increased user traffic.
5. **Caching Strategies:** Caching mechanisms will be implemented to reduce database load and improve response times. In-memory caching solutions like Redis or Memcached will store frequently accessed data, minimizing redundant queries to the database.
6. **Auto-Scaling:** Auto-scaling rules will be configured to automatically adjust resource allocation based on predefined thresholds. Cloud platforms such as AWS, Azure, and Google Cloud offer auto-scaling features to efficiently manage resource usage as demand fluctuates.
7. **Microservices Architecture:** Consideration will be given to adopting a microservices architecture. This approach divides the system into smaller, independently deployable services, enabling us to scale specific components as needed.
8. **Data Partitioning:** Strategies for data partitioning will be employed to distribute data across multiple storage locations or servers. This is particularly important for efficiently managing large datasets and ensuring optimal data retrieval.
9. **Monitoring and Alerting:** Robust monitoring and alerting systems will be established to continuously assess system performance and resource utilization. Alerts will be configured to notify the team when predefined thresholds are reached, enabling proactive scalability adjustments.
10. **Testing and Benchmarking:** Regular load testing and benchmarking will be conducted to identify performance bottlenecks. Optimization efforts will be based on test results to ensure the system can handle expected increases in traffic.
11. **Documentation and Capacity Planning:** Detailed documentation of the system's architecture and capacity planning will be maintained. This documentation will guide decision-making when scaling resources and addressing scalability challenges.
12. **Failover and Redundancy:** Failover mechanisms and redundancy will be implemented for critical system components to ensure high availability. This includes database replication, backup systems, and comprehensive disaster recovery plans.

13. **API:** The system should have a standard API allowing white labelled sites etc to be built on the fly and integration into other systems made easier.

New System in More Detail – Office 365 Integration

The new system will seamlessly integrate with Microsoft Office 365 to enhance productivity and collaboration for the client.

Single Sign-On (SSO) capabilities will be implemented to allow users to access the system using their Office 365 credentials.

This integration streamlines user management and provides a unified login experience.

1. **Email Integration:** The system will integrate with Office 365 email services, allowing users to send and receive emails directly from within the system. Features like email notifications, reminders, and communication logs will be synchronized with Office 365 email accounts.
2. **Calendar and Scheduling:** Calendar integration will enable users to view and manage their Office 365 calendars within the system. Scheduling features will utilize Office 365 calendar data to schedule appointments, meetings, and tasks.
3. **Document Collaboration:** The system will facilitate document collaboration by integrating with Office 365's cloud-based document storage and editing tools. Users can create, edit, and share documents stored in Office 365 directly from the system's interface.
4. **Microsoft Teams Integration:** Integration with Microsoft Teams will provide users with seamless communication and collaboration. Features like chat, video conferencing, and document sharing within Teams will be accessible from the system.
5. **User Directory Sync:** User information and profiles will be synchronized with Azure Active Directory (Azure AD), ensuring that user data is up-to-date across both systems. User provisioning and deprovisioning will be automated based on changes in Azure AD.
6. **Security and Compliance:** Compliance with Office 365 security protocols will be a top priority. The system will adhere to Office 365 security standards, including data encryption, access controls, and compliance features.
7. **Integration with Office Apps:** Users will have the ability to open, edit, and save documents using Office applications (Word, Excel, PowerPoint) installed on their devices while maintaining compatibility with Office 365.
8. **Real-Time Sync:** Real-time synchronization of data between the system and Office 365 will ensure that users have access to the most up-to-date information.

New System in More Detail – Real-Time Processing

1. **Real-Time Data Processing:** The new system will employ real-time data processing capabilities to ensure that information is processed and updated instantly as it is entered or modified. Real-time processing means that there is minimal to no delay in the system's response to user actions.
2. **User Interaction:** User interactions with the system, such as submitting forms, making updates, or performing transactions, will trigger immediate responses. For example, when a user submits an order, the system will process it in real-time and provide instant confirmation.
3. **Data Validation:** Real-time data validation will be implemented to check the accuracy and integrity of user inputs as they are entered. Validation rules will be applied instantly, preventing incorrect or incomplete data from being stored.
4. **Instant Notifications:** Users will receive instant notifications for important events or updates. Notifications can include alerts for new messages, task assignments, order confirmations, and more.
5. **Real-Time Reporting:** Reporting and analytics features will offer real-time insights into data trends, performance metrics, and key indicators. Users can access up-to-the-minute reports without the need for manual data updates.
6. **Inventory Management:** Inventory levels and stock status will be continuously updated in real-time. When items are sold or restocked, the inventory records will reflect the changes immediately.
7. **Collaboration and Communication:** Real-time chat and messaging features will enable instant communication among users within the system. Collaborative tools like shared calendars and to-do lists will synchronize instantly.
8. **Order Processing:** Order processing workflows, from order placement to fulfillment, will occur in real-time. Users can track the progress of orders, receive status updates, and view real-time shipping information.
9. **Customer Engagement:** Real-time customer engagement tools will allow businesses to interact with customers promptly. Features like live chat support and instant responses to customer inquiries will enhance customer satisfaction.
10. **Data Integration:** Integration with external data sources, such as payment gateways or third-party services, will ensure that data is exchanged in real-time. For instance, payment authorizations and confirmations will be processed instantly.
11. **Scalability:** The system's architecture will be designed to accommodate increasing data loads without sacrificing real-time performance. Scalability ensures that the system remains responsive as the user base and data volume grow.

New System in More Detail – E-Commerce Integration

1. Shopify Integration:

- a. **API Integration:** The new system will integrate with Shopify's API to enable seamless interaction between the two platforms.
- b. **Authentication:** Secure authentication mechanisms will be implemented to ensure data privacy and protection.
- c. **Data Sync:** Bidirectional data synchronization will allow the system to retrieve product information, pricing, inventory levels, and customer data from Shopify.
- d. **Order Processing:** Integration with Shopify's order processing API will facilitate the creation and management of orders.
- e. **Product Management:** The system will be able to fetch product details, including images, descriptions, and pricing, from Shopify.
- f. **Inventory Updates:** Real-time inventory updates will ensure that product availability and stock levels are accurate.
- g. **Customer Data:** Customer information, including contact details and order history, will be synchronized between the two platforms.
- h. **Payment Integration:** Integration with Shopify's payment gateway will enable secure and seamless transactions.
- i. **Shipping and Fulfillment:** The system will access shipping and fulfillment data, including tracking information, for order tracking and management.
- j. **Product Updates:** Automatic updates of product data, including new arrivals and changes in product attributes, will be supported.

2. Amazon Integration:

- a. **API Integration:** Integration with Amazon's API will enable the system to interact with Amazon's e-commerce platform.
- b. **Authentication:** Secure authentication and authorization protocols will be established for data protection.
- c. **Product Listing:** The system will be able to list products on Amazon's marketplace, including product titles, descriptions, prices, and images.
- d. **Order Sync:** Orders placed on Amazon will be synchronized with the system in real-time for order processing and fulfillment.
- e. **Inventory Management:** Inventory levels for products listed on Amazon will be updated automatically to prevent overselling.
- f. **Pricing Strategy:** Pricing strategies, including dynamic pricing, will be managed through integration with Amazon's pricing API.
- g. **Order Fulfillment:** The system will send order details to Amazon for shipping and fulfillment.
- h. **Payment Integration:** Secure payment gateways will be integrated to handle Amazon transactions.
- i. **Order Tracking:** Order tracking and shipping updates will be available to customers through integration with Amazon's tracking system.
- j. **Customer Data:** Customer information, including shipping addresses and purchase history, will be synchronized between the system and Amazon.



- k. **Reviews and Ratings:** The system may fetch product reviews and ratings from Amazon's API for display on product pages.

New System in More Detail – Data Export and Management Reporting

1. Customer Management:

- a. **Export Format:** Data can be exported in CSV format.
- b. **Data Inclusion:** Customer profiles, purchase history, preferences, and segmentation data are included.
- c. **Xero Integration:** Customer data will be synced with Xero in real-time, ensuring consistency between the CRM and accounting records.

2. Supplier Management:

- a. **Export Format:** Supplier details and inventory data can be exported in CSV format.
- b. **Data Inclusion:** Supplier information, assigned constituents, and stock levels are included.
- c. **Xero Integration:** Supplier details will be synchronized with Xero, enabling seamless supplier management in accounting.

3. Constituents Management:

- a. **Export Format:** Constituent data, including images, ingredients, and allergens, can be exported in CSV format.
- b. **Data Inclusion:** Comprehensive constituent information is included.
- c. **Xero Integration:** While constituent data may not directly relate to Xero, it's essential for product management and labeling in Xero-generated invoices.

4. Product Management:

- a. **Export Format:** Product details and configurations can be exported in CSV format.
- b. **Data Inclusion:** Product attributes, pricing, discounts, and stock allocation options are included.
- c. **Xero Integration:** Product sales data and pricing may be integrated with Xero for accurate invoicing.

5. Reseller Management:

- a. **Export Format:** Reseller-specific data can be exported in CSV format.
- b. **Data Inclusion:** Reseller profiles, pricing agreements, and order history are included.
- c. **Xero Integration:** Reseller-specific financial data, such as invoicing and payments, may be synchronized with Xero for accounting purposes.

6. Quoting System:

- a. **Export Format:** Quotes can be exported in both PDF and PowerPoint formats.
- b. **Data Inclusion:** Quote details, product selections, images, and allergen information are included.
- c. **Xero Integration:** Quote-to-invoice conversion and invoicing data may be integrated with Xero for financial tracking.

7. **Inventory and Orders:**

- a. **Export Format:** Sales orders, purchase orders, and invoices can be exported in CSV format.
- b. **Data Inclusion:** Order details, stock allocation, and order statuses are included.
- c. **Xero Integration:** Financial data from orders and invoices will be synchronized with Xero in real-time.

8. **Stock Management:**

- a. **Export Format:** Stock levels and notifications can be exported in CSV format.
- b. **Data Inclusion:** Current stock levels, minimum stock thresholds, and reordering information are included.
- c. **Xero Integration:** Stock and inventory data may be integrated with Xero to track cost of goods sold (COGS) and inventory values.

9. **Collaboration Tools:**

- a. **Export Format:** Shared to-do lists, diaries, and calendar data can be exported in CSV format.
- b. **Data Inclusion:** Task details, deadlines, and user assignments are included.
- c. **Xero Integration:** Collaboration tools may not directly relate to Xero but contribute to efficient task management.

10. **Dashboard:**

- a. **Export Format:** Dashboard reports and visualizations can be exported in CSV format.
- b. **Data Inclusion:** Metrics, graphs, and real-time data summaries are included.
- c. **Xero Integration:** Dashboard data may not directly relate to Xero but provides insights for financial decision-making.

11. **E-commerce Integration:**

- a. **Export Format:** E-commerce transaction data can be exported in CSV format.
- b. **Data Inclusion:** Online sales, customer details, and order history are included.
- c. **Xero Integration:** E-commerce sales data will be synchronized with Xero to maintain accurate financial records.

Requirements from Developers

For a more structured and detailed approach, we outline our development and collaboration guidelines as follows:

- Collaboration Platform Requirement:

All development work must be conducted on GitHub, within a specifically designated organization created for this project. This ensures a centralized and accessible repository for all project-related code and documentation.

- Code Changes and Contribution Process:

Any modifications, enhancements, or bug fixes to the project's codebase should be submitted through Pull Requests (PRs) to the master branch.

This process facilitates a transparent review mechanism, allowing project maintainers and other contributors to discuss, suggest improvements, and ultimately approve changes before they are merged.

- Programming languages used:

Although we do not specify explicit requirements regarding the programming languages or technologies to be used for the system's development, we emphasize the importance of utilizing industry-standard frameworks. Examples of such frameworks include Django for backend development and Vue.js for the frontend. This approach ensures that the project adheres to widely recognized best practices and facilitates future maintenance and scalability.

- Demonstration of Previous Work:

We require prospective developers to showcase examples of their past projects. This can include links to repositories, deployed applications, or any relevant work that demonstrates their expertise and craftsmanship.

The purpose is to assess compatibility with our project's technical and aesthetic standards.

- User Interface and Design Proposals:

Developers are expected to provide mock-ups reflecting the proposed look and feel of the new system's user interface.

These preliminary designs will serve as a visual framework and discussion point for aligning project vision and user experience goals.

- Code Quality and Documentation Standards:

Submitted code must be thoroughly commented and adhere to prevailing linting rules. Clear and consistent code annotations are crucial for maintainability and future development.



Comprehensive documentation is required for all features, functions, and system architecture. This should include setup guides, API documentation, and usage examples. Documentation must be developed concurrently with the code and stored within the project's GitHub repository.

The completion and approval of documentation are prerequisites for project handover. This ensures that the project is maintainable and extensible beyond the initial development phase.

- **Payment Terms:**

Payment terms are open for negotiation, with the aim of reaching an agreement that acknowledges the project's scope, milestones, and the developers' contribution.

We believe in fair compensation that reflects the complexity of the work and the value it brings to the project.

By adhering to these guidelines, we aim to foster a productive, transparent, and high-quality development process. Our goal is to build a system that not only meets but exceeds expectations, with a strong foundation for future enhancements and user satisfaction.