‹/› **No Clocks, LLC**

GMH Leasing Dashboard Project Plan

This document serves as a draft for an official agreement between GMH and No Clocks, LLC to develop a dashboard with user authentication & management, and API integration with a secure database architecture for backend storage.

- **Date:** 2024-05-22
- **Author**: No Clocks, LLC
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Contents

Overview

This proposal outlines the collaboration between No Clocks, LLC (Service Provider) and GMH (Client) to design, develop, and deploy a dashboard with user authentication and management, as well as integrate the `Entrata` API with a custom designed database backend to enhance leasing data visualization and management capabilities. The project aims to deliver a functional MVP enabling GMH to visualize and export leasing data effectively & securely.

Scope of Work

The project's scope is broken out into the following sections:

1. **Dashboard Creation with User Authentication & Management**:

- Design and implement a user-friendly dashboard interface.
- Develop robust user authentication and management features.
- Include data visualization, export capabilities, and any additional features as per GMH requirements & requests.

2. **API Integration with Database Architecture**:

- Integrate provided `Entrata` API endpoints for real-time data access and updates.
- Design & integrate backend database schema for secure data storage in cloud services.
- Ensure seamless data flow between the `Entrata` API and the dashboard.

Objectives and Deliverables

- **Dashboard**: A functional and secure dashboard with user authentication and management capabilities.
- **Database Architecture**: A robust database architecture for secure data storage and retrieval.
- **API Integration**: Seamless integration of the necessary APIs with the dashboard.

Dashboard Creation with User Authentication & Management

Successfully create a dashboard that includes user authentication and management functionalities:

- Design and develop a dashboard interface with features tailored to GMH's requirements.
- Develop user management features, including role-based access control.
- Implement data visualization and export capabilities for leasing data.

Database Architecture

Design and implement a secure database architecture for storing and managing leasing data:

- Design a database architecture for efficient data storage and retrieval.
- Implement robust data security measures to protect sensitive information.

API Integration with Dashboard

Integrate API with the dashboard to ensure real-time data updates and seamless operation:

- Integrate with provided `Entrata` API upon receiving access approval.
- Implement robust data handling and integration techniques.

Timeline and Milestones

This project aims to provide the MVP and other necessary deliverables in ~1 week's worth of work.

- **Day 1-2:**
    - Initial UI/UX Design for Dashboard
    - Development of User Authentication and Management Features
- **Day 3-4:**
    - Database Architecture Design and Implementation
    - API Integration
- **Day 5:**
    - Testing and Quality Assurance
    - Deployment and Initial Feedback Collection
- **Day 6-7:**
    - Review and Iteration based on Feedback
    - Final MVP Deployment

Budget and Invoicing

- Billing rate is $50 per hour (per developer).
- The estimated cost for the MVP is approximately $2,000 (subject to change based on project scope adjustments).
- Invoices issued upon completion of each milestone, detailing man-hours and resources used.

Risk and Mitigation Strategies

- **API Access Delays**: The project timeline accounts for potential delays in receiving API access. Continuous communication with the API provider will mitigate prolonged delays.
- **Technical Challenges**: Conduct a preliminary technical review to anticipate issues and allocate resources accordingly.
- **Scope Creep**: Implement a strict change request process, requiring client sign-off for any deviations from the project scope.

Communication Plan

- **Regular Updates:** Daily status updates and progress reports via email and project management tools.
- **Urgent Communications:** Dedicated lines for urgent communications to ensure prompt response and resolution of critical issues.

Terms and Conditions

- **Confidentiality:** Both parties agree to maintain the confidentiality of project materials and client data.
- **Payment Terms:** Payments to be made in milestones tied to deliverables.
- **Intellectual Property:** All intellectual property developed during the project will belong to GMH.
- **Warranty and Support:** No Clocks, LLC will provide 30 days of post-deployment support and troubleshooting, with options for extended support.

Stakeholder Engagement

1. Regular project updates and demos to the GMH team.
2. Feedback sessions with No Clocks, LLC team to ensure alignment with project goals.

Resources

- **Total Estimated Budget:** $2,000
- **Total Timeline:** 1 Week
- **Development Roles:**
    - Project Management
    - Web Development (Frontend, Backend, API Integration)
    - UI/UX Design
    - Technical Documentation
- **Proposed Technology Stack:**
    - R
    - Shiny
    - RMarkdown
    - PostgreSQL
    - LaTeX
    - Docker
    - Git/GitHub
    - REST/HTTP

Conclusion

This project plan serves as a foundation for an official service agreement between No Clocks, LLC and GMH. It aims to deliver a comprehensive solution for leasing data management through a secure and user-friendly dashboard, aligning with the strategic goals of the client and ensuring robust stakeholder engagement throughout the project lifecycle.