Food Recall Monitoring System (Wiley) – IRAD Project Charter

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project Name** | | Food Recall Monitoring System (Wiley) – IRAD Project | | | | | | | | | | | | |
| **Sponsor** | | Orbis Corporate IR&D | | | | | | | | | | | | |
| **Project Lead** | | Kojo Linder | | | | | | | | | | | | |
| **Key Stakeholders** | | Brian Ippolito, Thuy Pisone | | | | | | | | | | | | |
| **Project Description** | | A web-based food recall monitoring application (called Wiley) that allows food industry professionals to discover trends in Food and Drug Administration (FDA) food recall data. | | | | | | | | | | | | |
| **Project Scope** | | The scope of the project is limited to an Internal Research & Development (IR&D). Production Level deployment and Scale Testing and Corporate provisioning is out of the scope of this IR&D. The duration of this project should be limited to 1 week. The effort will pull data from FDA, populate a transactional databases, and build data services for a single web application. | | | | | | | | | | | | |
| **Project Strategy** | | The web application (developed in JQuery) is decoupled from the data services which must be decoupled from the transaction database (RDF). The project team will use open source software to satisfy the open source project requirements. The application will be deployed and tested in an Orbis Amazon Web Services (AWS) environment. As needed, Wiley will be further enhanced to meet Agile development practices and adherence to the U.S. Digital Services Playbook. | | | | | | | | | | | | |
| **Final Project Objectives** | | Metric Description | | | | | | Corporate Level Requirements | | | | | | |
|  | | Success Metrics are measured using JMeter. The database must be capable of holding a minimum of 100K records, support 50 simultaneous users and return queries in 2s or less. For requirements that are unmet – alternate path or integration path should be identified | | | | | | High Level Requirements\*   1. A min of Five Open Source development tools 2. Strict adherence to the Agile development process (planning, execution, documentation) 3. Analytics (Mapping & Data Aggregation) 4. Dashboard Features (System Overview, Map View, Graph View, Tabular View, Search, Save, Query Monitoring)   \*The above listed are notional high level requirements. Detailed Requirements are outlined in Orbis Requirements system (RMsis). | | | | | | |
| **Risk Assessment** | | Risk Description | | | | | | Mitigation Plan | | | | | | |
|  | | Creating an FDA ontology from metadataGenerating map coordinates from metadata | | | | | | Decouple the ontology to high level classes (Food groups, Org, Loc, Time, Events)  1. Use Gazeteer for lat/long and OpenLayers for the mapping | | | | | | |
| **Schedule** | | | | |  | | | | | | | | |  |
| **GATE** | **1. Evaluation & Preliminary Design** | | **2. Prototyping** | | **3. Software Design & Implementation** | | | | | | 4: Documentation | | | |
| **Deliverables** | Project  Charter  UI Storyboard  Requirements defined | | Development Tickets  Agile development schedule  App Design  App Development  Local Environment Deployment | | Architecture & Design Diagram (One Page)  Demonstrate Wiley deployed in the AWS environment with FDA Data  Requirements Verification and Traceability   * This document should verify the deployed solution against document requirement and % of the requirement that are met. * For requirements not met and alternate path or integration path should outlined (one to two liner) | | | | | | Infrastructure & Deployment Diagram ( 1-2 page)  Final Product Requirements  User Guide  Software Design Document | | | |
| **Target End Date:** | **6/21/2015** | | **6/22/2015** | | 6/23/2015 | | | | | | 6/26/2015 | | | |
| **RACI** | | | | | | | | | | | | | | |
| **Functional Area** | | | | **Accountable** | | | **Responsible** | | | **Inform** | | | **Consult** | |
| **Hardware Design (AWS)** | | | | C. Andino | | | C. Andino | | | C. Andino | | | C. Andino | |
| **Software Design** | | | | K. Linder | | | K. Linder | | | S. Kuchipudi | | | C. Andino, | |
| **Construction** | | | | C. Blount, A. Parmar, A. Arias | | | K. Linder | | | S. Kuchipudi, C. Andino | | | C. Andino, S. Kuchipudi | |
| **Software Implementation** | | | | C. Blount, A. Parmar, A. Arias | | | K. Linder | | | S. Kuchipudi, C. Andino | | | C. Andino, S. Kuchipudi | |
| **Integration** | | | | C. Blount, A. Parmar | | | K. Linder | | | S. Kuchipudi, C. Andino | | | C. Andino, S. Kuchipudi | |
| **Approvals** | | | | | | | | |  | | | | | |
| **APPROVAL SIGNATURES:**  **Last Revised:** \_\_\_\_\_\_\_ **by**  **Supersedes Project Charter Revised: \_\_\_\_\_\_\_\_\_\_\_** | | | | | | | | | | | | | | |
|  | | | | | | **Signed** | | | | | | **Date:** | | |