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| --- | --- |
| **Date** | 28/06/2025 |
| **Team ID** | LTVIP2025TMID31550 |
| **Project Name** | Medical Inventory Management |
| **College name** | BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE |

**Model Performance Testing:**

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| --- | --- | --- | --- |
| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Model Summary | **-** |  |
|  | Accuracy | Training Accuracy – 90%  Validation Accuracy -90% |  |
| 3. | Fine Tunning Result( if Done) | Validation Accuracy -90% |  |

**Test Scenarios & Results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Scenario (What to test)** | **Test Steps (How to test)** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **FT-01** | Text Input Validation (e.g., topic, job title) | Enter valid and invalid text in input fields | Valid inputs accepted, errors for invalid inputs |  |  |
| **FT-02** | Number Input Validation (e.g., word count, size, rooms) | Enter numbers within and outside the valid range | Accepts valid values, shows error for out-of-range |  |  |
| **FT-03** | Content Generation (e.g., blog, resume, design idea) | Provide complete inputs and click "Generate" | Correct content is generated based on input |  |  |
| **FT-04** | API Connection Check | Check if API key is correct and model responds | API responds successfully |  |  |
| **PT-01** | Response Time Test | Use a timer to check content generation time | Should be under 3 seconds |  |  |
| **PT-02** | API Speed Test | Send multiple API calls at the same time | API should not slow down |  |  |
| **PT-03** | File Upload Load Test (e.g., PDFs) | Upload multiple PDFs and check processing | Should work smoothly without crashing |  |  |

**Model Performance Testing:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Metrics | **Regression Model:** MAE - , MSE - , RMSE - , R2 score -  **Classification Model:** Confusion Matrix - , Accuray Score- & Classification Report - |  |
|  | Tune the Model | Hyperparameter Tuning -  Validation Method - |  |

**Model Performance Testing:**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Parameter** | **Screenshot / Values** |
|  | Data Rendered |  |
|  | Data Preprocessing |  |
| 3. | Utilization of Data Filters |  |
| 4. | DAX Queries Used |  |
| 5. | Dashboard design | No of Visualizations / Graphs – |
| 6 | Report Design | No of Visualizations / Graphs – |

**Model Performance Testing:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Model Summary | Salesforce automation setup for Data management using Object, Fields and Reports.  **Note :** Import Records if data Match Correctly then Records will Created or Else it will Show Error |  |
|  | Accuracy | Training Accuracy - 98%  Validation Accuracy - 98% |  |
| 3. | Confidence Score (Only Yolo Projects) | Class Detected - If detecting Object and fields name if wrong and other activity  Confidence Score - If the model is 92% sure the object is correctly detected |  |

**Model Performance Testing:**.

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Parameter** | **Screenshot / Values** |
|  | Data Rendered |  |
|  | Data Preprocessing |  |
| 3. | Utilization of Filters |  |
| 4. | Calculation fields Used |  |
| 5. | Dashboard design | No of Visualizations / Graphs – |
| 6 | Story Design | No of Visualizations / Graphs – |

**Project Overview:**

**Project Name: Medical Inventory Management System**

**Platform: Salesforce**

**Project Description:**

The **Medical Inventory Management System** is a comprehensive Salesforce-based application developed to streamline and automate the operational aspects of managing medical inventory in healthcare facilities.

This project aims to eliminate inefficiencies associated with manual inventory processes by providing a centralized, real-time, and user-friendly solution. The system is designed to cater to the needs of inventory managers, procurement teams, and healthcare staff by offering end-to-end management of inventory-related tasks.

**Key Features:**

* **Supplier Management**  
  Maintain detailed records of all suppliers, including contact information, addresses, supply history, and performance insights.
* **Purchase Order Management**  
  Create, update, and track purchase orders efficiently. The system helps streamline procurement workflows and maintain accurate order history.
* **Product Catalog Management**  
  Store and manage comprehensive product information such as:
  + Product descriptions
  + Categories
  + Stock levels
  + Batch numbers
  + Storage requirements
* **Expiry Date Tracking**  
  Monitor the expiry dates of medicines and equipment to avoid usage of expired items. Automated alerts help maintain compliance and patient safety.
* **Transaction and Stock Movement History**  
  Keep a full audit trail of inventory transactions—stock in, stock out, returns, damages, and adjustments.
* **Reporting and Analytics**  
  Generate comprehensive reports on:
  + Supplier performance
  + Purchase order trends
  + Stock utilization
  + Expiry alerts and wastage reports  
    These insights support data-driven decision-making and continuous improvement.

**Test Cases:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-001 | Verify adding new medical inventory item | 1. Login to the system  2. Navigate to Inventory module  3. Add details and click save | The new item should be added successfully | The new item was added successfully | Pass |
| TC-002 | Verify low stock alert | 1. Login to the system  2. Navigate to Inventory module  3. Update stock to below minimum | System should generate low stock alert | System generated low stock alert | Pass |
| TC-003 | Verify deletion of expired medicines | 1. Login to the system  2. Navigate to Expired Medicines  3. Click delete | Expired medicines should be deleted from inventory | Expired medicines were deleted from inventory | Pass |

**Bug Tracking:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Bug ID** | **Bug Description** | **Steps to reproduce** | **Severity** | **Status** | **Additional feedback** |
| BG-001 | Low stock alert not triggering  when stock reaches threshold level | 1. Login to the system  2. Update item to low stock level  3. Check for alert | Medium | Closed | Resolved after threshold fix |
| BG-002 | Expired medicine not removable  from inventory | 1. Login to the system  2. Navigate to Expired Medicines  3. Attempt to delete | High | In progress | Under investigation by dev team |
| BG-003 | Inventory page loading slowly | 1. Login to the system  2. Navigate to Inventory module  3. Observe loading time | Low | open | Performance optimization |