Agro Business Application

## Features of the application

Features of the application to include:

1. Agricultural programme/campaign
2. Farming activities
3. Sales
4. Farm registration
5. Farm quality control

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All services follows the cycle: request => perform => respond.

The request are generally collated from the form posted

The perform/action is executed during processing

The response are various feedbacks sent via designated channels mainly: HTML web page, emails, SMS, electronic documents

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Feature: 1. 1. Agricultural programme/campaign

Scenario: a. Register a new programme

Given a user wishes to **register** a new programme

When the registration **form is filled**

And the form is **submitted**

And the form is **validated**

Then the programme **request is generated**

And the programme **request marked as under review**

And the team for **review are notified by channels**

Scenario: b. Review a programme for review

Given a programme **request is available for review**

When the request is **reviewed**

Then the request **status is changed to REVIEWED**

And the **review generated and assigned to the request**

And the **review object is forwarded for approval**

Scenario: c. Review available for approval

Given a **valid review for request is available for approval**

When the **review is approved**

Then the **status of the review is set to APPROVED**

And the request **status is updated to APPROVED**

And the original **requester is notified**

And the **reviewers are notified**

Feature: 2. Farming Activities

Scenario Outline: a. Recording a farming <activity>

Given an **activity is performed** on a farm

When the **activity form is filled** and **submitted**

Then an **activity request** is generated

And the **request is forwarded for processing**

And the **request is saved if valid**

Examples:

| activity |

| cultivation |

| harvest  |

| weeding |

| farm visit |

| farm supplies |

| produce restocking |

| Inventory |

Feature: 3. Sales

Scenario: a. Recording a sale

Given a **farm produce is offered for sale**

When the **item is purchased**

Then a **sale order request is generated**

And the **order request is recorded with payment status set accordingly**

And the **farm account is credited based on payment status and payment received**

And the f**arm store inventory is decreased based on ordered item**

And the **order status is updated to CLOSED if sale was closed successfully**

Feature: 4. Farm Registration

Scenario: a. Farm Registration

Given an unregistered farm is to be added to programme

When the farm owner or representative fills farm registration form

Then a registration request is generated

And the registration request is forwarded for review

And the review team is notified by channels

Scenario: b. Registration request available for review

Given a registration request is available for review

When the review team makes recommendations

Then the recommendations are assigned to request

And the request status is updated to REVIEWED

And the recommendation forwarded for approval

Scenario Outline: c. Recommendation available for approval

Given a recommendation is available for approval

When the recommendation is received by assigned <user>

Then the user can approve recommendation if authorised

And the recommendation status is changed to APPROVED

And the registration status is changed to APPROVED

And the approval is recorded

Examples:

| user |

| Consultant |

| Manager |

| Unit Head |

| DGM |

| EGM |

| DMD |

| Other |

Feature: 5. Farming Quality Control

Scenario Outline: a. Recording a QA <activity>

Given a **QA <exercise> is performed on a farm**

When the **<exercise> form is filled and submitted**

Then an **exercise request is generated**

And the **request is forwarded for processing**

And the **request is saved if valid**

And the **concerned team for <exercise> are notified by channels**

Examples:

| exercise |

| soil test |

| contamination  |

| fertilizer usage |

| weather report |

| irrigation |