

# 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

```
'''
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
'''
```

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 **farm 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 |
```