# De La Salle University

**Test Case #:** 0.1                **Test Case Name:** Login
**System:** DSS
**Short Description:** Login in to the system

| Pre-conditions |
| --- |
| The user has access rights to access the web and mobile application |

| Step | Action | Expected System Response | Pass /Fail | Comment | |
| --- | --- | --- | --- | --- | --- |
| 1 | Enter username "bjdelfin" and password "xoxoxo" | System redirects user MDO Hompage | Pass | | |
| 2 | Repeat step 1 with the input "jaysonrev" and password "xoxoxo" | System redirects to Board Homepage | Pass | | |
| 3 | Repeat step 1 with the input "michaelgoch" and password "xoxoxo" in mobile | System redirects to farmer homepage in mobile | Pass | | |
| 4 | No input. Click login | System will not redirect to homepage | Pass | | |
| 5 | Repeat step 1 with the input "a" for username | System will not redirect to homepage | Pass | | |
| 6 | Repeat step 1 with the input "-1" for password | System will not redirect to homepage | Pass | | |

**Board Member User**
**Test Case #:** 1.1                **Test Case Name:** View Production

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**System:** DSS
**Short Description:** View Production data
nationwide

| Pre-conditions |
|---|
| The user has access rights to access the board dashboard |

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|---|---|---|---|---|---|
| 1 | Login with a board member user and verify | System redirects user to Board Hompage | Pass | | |
| 2 | Choose from the dropdown TC, LKG or HA to view different graphs | Graph changes according to selection from dropdown | Pass | | |
| 3 | Click the graph to drilldown each week's production | System redirects to production for the week | Pass | | |
| 4 | Click more details in the region production | System redirects to weekly production data of provinces part of the region | Pass | | |

**Test Case #:** 1.2                     **Test Case Name:** View Programs
**System:** DSS
**Short Description:** View Program details
nationwide

| Pre-conditions |
|---|
| The user has access rights to access the programs |

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|---|---|---|---|---|---|
| 1 | Click more details in the plans and programs section | System redirects to program details | Pass | | |
| 2 | Click view programs in the navigation bar | System redirects to program list | Pass | | |

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**Test Case #:** 1.3                    **Test Case Name:** Create Programs
**System:** DSS
**Short Description:** Create programs for
farmers

| Pre-conditions |
|---|
| The user has access rights to access the programs |

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|---|---|---|---|---|---|
| 1 | Select problems and click continue | System redirects to step 2 of programs | Pass | | |
| 2 | Input program name, duration and description and click continue | System redirects to step 3 of programs | Pass | | |
| 3 | Input performance indicator and target for the year and click submit | System saves the program created | Pass | | |
| 4 | Repeat step 2 with no input in program name | System will not redirect to next step | Pass | | |

**Test Case #:** 1.4                    **Test Case Name:** Update Programs
**System:** DSS
**Short Description:** Update programs for
farmers

| Pre-conditions |
|---|
| The user has access rights to access the programs |

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|---|---|---|---|---|---|
| 1 | Go to view programs from nav bar and select a program | System redirects program details | Pass | | |
| 2 | Update the value in target by inputting numeric values and click update | System updates program details | Pass | | |
| 3 | Input performance indicator and target for the year and click submit | System saves the program created | Pass | | |
| 4 | Repeat step 2 with no input in program name | System will not redirect to next step | Pass | | |

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**Test Case #:** 1.5                                **Test Case Name:** Generate Forecast
**System:** DSS
**Short Description:** Generate crop estimate

| Pre-conditions |
|---|
| The user has access rights to access the crop estimate |

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|---|---|---|---|---|---|
| 1 | Input the parameters needed with numerical values and click generate forecast | System generates 3 forecasts | Pass | | |
| 2 | Repeat step 1 with string inputs | System will not generate forecasts | Pass | | |
| 3 | Choose from the dropdown 1 of the 3 estimate options | System updates the crop estimate in the dashboard | Pass | | |

**MDO User**

**Test Case #:** 2.1                        **Test Case Name:** View production of municipal

**System:** DSS
**Short Description:**

| Pre-conditions |
|---|
| The user has access rights to access MDO dashboard and farmer profile |

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|---|---|---|---|---|---|
| 1 | Click the municipal from the treemap | System redirects to municipal production page | Pass | | |
| 2 | Select a unit in the dropdown to update the graph | Graph updates according to the unit selected | Pass | | |

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**Test Case #:** 2.2

**System:** DSS
**Short Description:**

**Test Case Name:** View production of Barangay

| Pre-conditions |
| --- |
| The user has access rights to access MDO dashboard and farmer profile |

| Step | Action | Expected System Response | Pass /Fail | Comment | |
| --- | --- | --- | --- | --- | --- |
| 1 | Drilldown the treemap and click on a barangay | System redirects barangay production | Pass | | |
| 2 | Select a municipal to go to the production details then choose a barangay | System redirects barangay production | Pass | | |
| 3 | Select a unit in the dropdown to update the graph | Graph updates according to the unit selected | Pass | | |

**Test Case #:** 2.3

**System:** DSS
**Short Description:**

**Test Case Name:** View production of Farmer

| Pre-conditions |
| --- |
| The user has access rights to access MDO dashboard and farmer profile |

| Step | Action | Expected System Response | Pass /Fail | Comment | |
| --- | --- | --- | --- | --- | --- |
| 1 | Drilldown the treemap and click on a farmer | System redirects farmer profile | Pass | | |
| 2 | Select a municipal to go to the production details then choose a barangay. Afterwards select a farmer from that barangay | System redirects farmer profile | Pass | | |

**Test Case #:** 2.4

**Test Case Name:** View production of Farm

**System:** DSS
**Short Description:**

| Pre-conditions |
|---|
| The user has access rights to access MDO dashboard and farm profile |

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|---|---|---|---|---|---|
| 1 | Drilldown the treemap and click on a farmer | System redirects to farmer profile | Pass | | |
| 2 | Select a farm from the farmer profile | System redirects to farm profile | Pass | | |
| 3 | Select a municipal to go to the production details then choose a barangay. Afterwards select a farmer from that barangay then select a farm from the farmer profile | System redirects to farm profile | Pass | | |

**Test Case #:** 2.5        **Test Case Name:** Create Observation
**System:** DSS
**Short Description:**

| Pre-conditions |
|---|
| The user has access rights to access MDO dashboard and farm profile |

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|---|---|---|---|---|---|
| 1 | From the farm profile, click create observation, then select tag/s | System generates farms with the corresponding tag/s | Pass | | |
| 2 | Select 5 farms and click create comparison | System updates program details | Pass | | |

**Test Case #:** 2.6        **Test Case Name:** Create Comparison
**System:** DSS
**Short Description:**

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**Pre-conditions**
The user has access rights to access MDO dashboard and farmer profile

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|------|--------|--------------------------|------------|---------|---|
| 1 | Select farmers and recommendations then click send recommendations | System sends the recommendation to the mobile application | Pass | | |
| 2 | Update the value in target by inputting numeric values and click update | System updates program details | Pass | | |
| 3 | Input performance indicator and target for the year and click submit | System saves the program created | Pass | | |
| 4 | Repeat step 2 with no input in program name | System will not redirect to next step | Pass | | |

**Test Case #:** 2.7　　　　　　　　　　**Test Case Name:** View programs
**System:** DSS
**Short Description:**

**Pre-conditions**
The user has access rights to access to program details

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|------|--------|--------------------------|------------|---------|---|
| 1 | Go to view programs from nav bar and select a program | System redirects program details | Pass | | |

**Test Case #:** 2.8　　　　　　　　　　**Test Case Name:** Create Crop Assessment
**System:** DSS
**Short Description:**

**Pre-conditions**

The user has access rights to access MDO dashboard and farmer profile

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|------|--------|--------------------------|-----------|---------|---|
| 1 | Click Crop assessment, input the narrative, click print | System generates a report | Pass | | |

**Test Case #:** 2.9                **Test Case Name:** Create Recommendation
**System:** DSS
**Short Description:**

**Pre-conditions**
The user has access rights to access MDO dashboard and farmer profile

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|------|--------|--------------------------|-----------|---------|---|
| 1 | Go to create recommendation from the navigation bar | System redirects to create recommendation page | Pass | | |
| 2 | Input the details and choose Aims to improve, input duration and click create | System creates recommendation | Pass | | |
| 3 | Input the details and choose Aims to solve", select problem/s and click create | System creates recommendation | Pass | | |
| 4 | Repeat step one and verify the new recommendation | System redirects to create recommendation page | Pass | | |

**Test Case #:** 2.10                **Test Case Name:** Generate Forecast
**System:** DSS
**Short Description:**

**Pre-conditions**
The user has access rights to access MDO dashboard and farmer profile

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|------|--------|--------------------------|-----------|---------|---|
| 1 | Input the parameters needed with numerical values and click generate forecast | System generates 3 forecasts | Pass | | |

| 2 | Repeat step 1 with string inputs | System will not generate forecasts | Pass | |
|---|---|---|---|---|
| 3 | Choose from the dropdown 1 of the 3 estimate options | System updates the crop estimate in the dashboard | Pass | |

**Test Case #:** 2.11          **Test Case Name:** Send Alerts
**System:** DSS
**Short Description:**

**Pre-conditions**
The user has access rights to access MDO dashboard and farmer profile

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|---|---|---|---|---|---|
| 1 | Go to alerts from the navigation bar | System redirects to alerts list page | Pass | | |
| 2 | Click send alert to the area selected and input message and click send | System sends to farmer mobile application | Pass | | |

**Test Case #:** 2.12          **Test Case Name:** Configure Calendar
**System:** DSS
**Short Description:**

**Pre-conditions**
The user has access rights to access MDO dashboard and farmer profile

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|---|---|---|---|---|---|
| 1 | Go to calendar from the navigation bar | System redirects calendar page | Pass | | |

| | | | | | |
|---|---|---|---|---|---|
| 2 | Input the dates for each phase of the crop year and click edit | Calendar updates the dates of the crop phases | Pass | | |

**Test Case #:** 2.13            **Test Case Name:** View Forum
**System:** DSS
**Short Description:**

| **Pre-conditions** |
|---|
| The user has access rights to access MDO dashboard and farmer profile |

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|---|---|---|---|---|---|
| 1 | Go to forum from the nav bar. | System redirects forum list | Pass | | |
| 2 | Click more details on a forum | System redirects to forum page | Pass | | |

**Test Case #:** 2.14            **Test Case Name:** Evaluate Forum
**System:** DSS
**Short Description:**

| **Pre-conditions** |
|---|
| The user has access rights to access MDO dashboard and forum |

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|---|---|---|---|---|---|
| 1 | Evaluate the post and click approve | System changes the post status to accepted | Pass | | |
| 2 | Repeat step 1 and click reject | System prompts for action tools | Pass | | |
| 3 | Repeat step 2 and link to recommendation from the list and click send | System sends the reply to the mobile application | Pass | | |

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| 4 | Repeat step 2 and link to problems from the list and click send | System sends the reply to the mobile application | Pass | |
| 5 | Repeat step 2 and link to post from the list and click send | System sends the reply to the mobile application | Pass | |

**Test Case #:** 2.15  **Test Case Name:** Create Farmer
**System:** DSS
**Short Description:**

**Pre-conditions**
The user has access rights to access MDO mobile application

| Step | Action | Expected System Response | Pass /Fail | Comment |
|---|---|---|---|---|
| 1 | Input details needed and click register | System registers a new farmer | Pass | |

**Test Case #:** 2.16  **Test Case Name:** Search Farmer
**System:** DSS
**Short Description:**

**Pre-conditions**
The user has access rights to access MDO dashboard and farmer profile

| Step | Action | Expected System Response | Pass /Fail | Comment |
|---|---|---|---|---|
| 1 | Go to search farmer from the navigation bar | System redirects search farmer page | Pass | |
| 2 | Search for a specific farmer and verify | System generates the farmers corresponding to the search input | Pass | |
| 3 | Click more details | System redirects to farmer profile | Pass | |

**Test Case #:** 2.16  **Test Case Name:** View Recommendation
**System:** DSS
**Short Description:**

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**Pre-conditions**

The user has access rights to access MDO dashboard and farmer profile

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|------|--------|--------------------------|------------|---------|--|
| 1 | Go to recommendations list in from the navigation bar | System redirects to recommendations list | Pass | | |
| 2 | In the recommendations list, select a recommendation | System redirects to recommendations details | Pass | | |

**Test Case #:** 2.17            **Test Case Name:** View Problems

**System:** DSS

**Short Description:**

**Pre-conditions**

The user has access rights to access MDO dashboard and farmer profile

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|------|--------|--------------------------|------------|---------|--|
| 1 | Go to problems list in from the navigation bar | System redirects to problems list | Pass | | |
| 2 | In the problem list, select a problem | System redirects to problem details | Pass | | |

**Farmer User**

**Test Case #:** 3.1            **Test Case Name:** Plot Area

**System:** DSS

**Short Description:**

**Pre-conditions**

The user has access rights to access farmer mobile application

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|------|--------|--------------------------|------------|---------|--|

| 1 | Plot the coordinates in the map and click ok | System updates the information for area | Pass | |
|---|---|---|---|---|

**Test Case #:** 3.2                    **Test Case Name:** View Alerts
**System:** DSS
**Short Description:**

**Pre-conditions**
The user has access rights to access Farmer Mobile App

| Step | Action | Expected System Response | Pass /Fail | Comment |
|---|---|---|---|---|
| 1 | Login to the mobile application | System redirects to farmer homepage | Pass | |
| 2 | View the alerts and verify | Alerts can be viewed by the user | Pass | |

**Test Case #:** 3.3                    **Test Case Name:** Create Survey
**System:** DSS
**Short Description:**

**Pre-conditions**
The user has access rights to access farmer mobile application

| Step | Action | Expected System Response | Pass /Fail | Comment |
|---|---|---|---|---|
| 1 | Click Crop Validation Survey and fill up the fields and click send | System updates farmer profile | Pass | |

**Test Case #:** 3.4                    **Test Case Name:** Create Forum Post
**System:** DSS
**Short Description:**

**Pre-conditions**

The user has access rights to access Farmer mobile application

| Step | Action | Expected System Response | Pass /Fail | Comment | |
|------|--------|--------------------------|------------|---------|---|
| 1 | Go to forum, create a post and take a photo. Click submit | System sends post to web application | Pass | | |