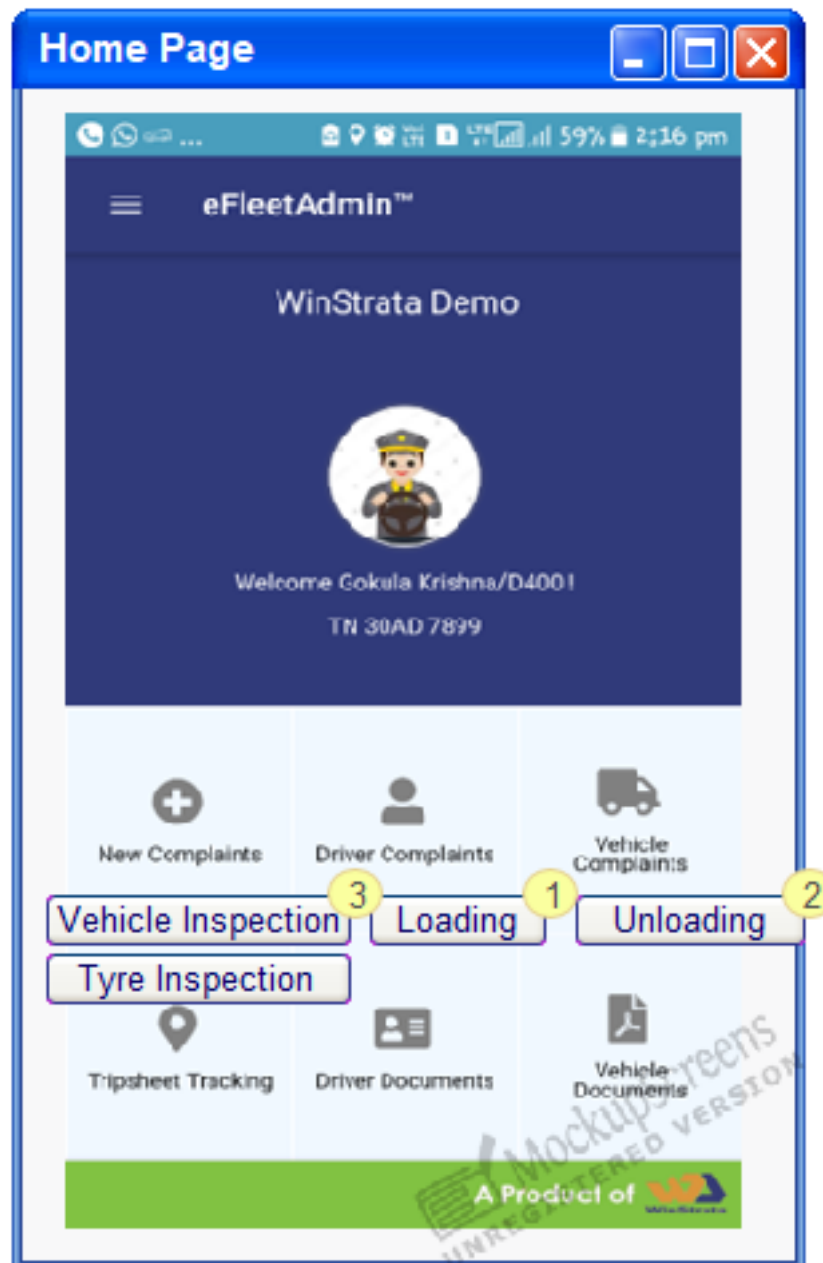# Scenario - Driver App

Scenario - Home Page

Home Page

1. On click of "Loading" shall open the "Loading Details" screen. It shall not allow to create a loading details without completing the Vehicle Inspection and Tyre inspection with in 24 hours. After 24 hours, again it should not allow to create loading details without inspection

2. On click of "UnLoading" shall open the "UnLoading Details" screen

3. It should be allowed to create Vehicle Inspection for every 24 hours.

Scenario - Vehicle Inspection

Vehicle Inspection

1. At the time of uploading the empty photo, LAT/LON & Date/Time of that photo clicking has to be captured

   It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON.

2. At the time of uploading the empty photo, LAT/LON & Date/Time of that photo clicking has to be captured

   It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON.

3. At the time of uploading the empty photo, LAT/LON & Date/Time of that photo clicking has to be captured

It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON.

4. At the time of uploading the empty photo, LAT/LON & Date/Time of that photo clicking has to be captured

   It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON.

5. It shall allow to submit the inspection details and all the photos should be taken within 5-10 minutes timeframe.

   It will not allow to submit without any of the photos.

6. Current driver name will be displayed and disabled

7. Current date/time shall be pre-populated and disabled

Scenario - Tyre Inspection

Tyre Inspection

1. Currently allocated vehicle will be selected by default and disabled

2. Current driver name will be displayed and disabled

3. Current date/time shall be pre-populated and disabled

4. P - On click of "Photo", it shall allow to take the photo of the current tyre

Scenario - Loading Details (Aggregate)

Add/Edit WB-L Details - Aggregate

2. On click of "Submit", it shall allow to add the loading details in to the DB for vehicle current branch.

   Without completing all the above fields entry and uploading, Submit should not be allowed.

   It shall alllow to alert if the difference between GVW stored in the vehicle master and entered Empty Wt is less than 100 KGS. This alert has to be tracked for 2 days and after 2 days, loading should not allowed.

3. On click of "Cancel", it shall alert the user for closign the current screen.

4. It shall display the vehicle number which is allocated to the driver by default

5. It shall display the current driver name by default and disabled

7. It shall allow to add new places in case of non-availability. While adding the places, allow to capture Phone number & email id for later usage purpose.

9. Application shall pre-populate the empty weight from the vehicle master and it shall allow to change the same

11. At the time of uploading the empty photo, LAT/LON & Date/Time of that photo clicking has to be captured

    It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON. It should not allowed to overwrite the photo after taking Invoice Photo.

13. Taken Empty photo should be shown as tiles here and on click of the photo, it shall open in a zoom out in a new window and allow to come back to the current

screen.

17. Application shall pre-populate the previous closing KM as start KM and allow the driver to change the KM

18. Requested persons will be stored in look up and allowed to select a person from the list

19. It shall populate the current date/time and disabled by default

Manage Unloading - Aggregate

2. It shall list the Loading detail trip added by the driver and the vehicle allocated to the driver.

   Tools:
   L - Entering the Loading Details
   WB-L - Entering Weigh Bridge - Loading details data (Without completing the L details, it should not allow to update WB-L details)

Add/Edit Loading Details - Aggregate

2. On click of "Submit", it shall allow to add the loading details in to the DB for vehicle current branch.

   Without completing all the above fields entry and uploading, Submit should not be allowed.

3. On click of "Cancel", it shall alert the user for closign the current screen.

4. It shall display the vehicle number which is allocated to the driver by default

5. It shall display the current driver name by default and disabled

6. To place will be always a Branch (Plant or Site)

8. It shall allow to select the product which are added in the stock as "Raw material and Sellable items".

   Raw Material products are:
   - GSB (Granular Sub Base)
   - WMM - Wet Mix Machedam
   - Dust
   - 20 MM
   - 12 MM
   - 6 MM
   - 40 MM

   Finished Products are
   - RMC (Ready Mix Concrete)
   - HMP (Hot mix Product [Tar])

In catalog master, we need to add a new field "Conversion Factor", like
- 1 UNIT for 4500 KGS etc

9. Application shall pre-populate the empty weight from the vehicle master and it shall allow to change the same

11. At the time of uploading the empty photo, LAT/LON & Date/Time of that photo clicking has to be captured

    It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON. It should not allowed to overwrite the photo after taking Invoice Photo.

12. It shall be allowed to upload only after Empty Photo uploaded.

    At the time of uploading the invoice photo, LAT/LON & Date/Time of that photo clicking has to be captured. Date/time should be after empty photo time and before Load Photo uploaded.

    It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON. It should not allowed to overwrite the photo after taking Load Photo

13. Taken Empty photo should be shown as tiles here and on click of the photo, it shall open in a zoom out in a new window and allow to come back to the current screen.

14. Taken Invoice photo should be shown as tiles here and on click of the photo, it shall open in a zoom out in a new window and allow to come back to the current screen.

15. It shall be allowed to upload only after Invoice Photo uploaded.

    At the time of uploading the Load photo, LAT/LON & Date/Time of that photo clicking has to be captured. It should be with in 0.25 KM from the Invoice or Empty photo lat/lon location and date/time should be after invoice photo time and before weigh bridle Photo uploaded.

    It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON. It should not allowed to overwrite the photo after taking Weigh bridge Photo

17. Application shall pre-populate the previous closing KM as start KM and allow the driver to change the KM

18. Requested persons will be stored in look up and allowed to select a person from the list

19. It shall populate the current date/time and disabled by default

22. UOM shall be:
    - CFT
    - CCM
    - KGS
    - MT

If CFT or CCM UOM selected, the Weight has to be calculated from the vehicle master details
- LxBxD = Calculation A
- Invoice Qty x Product fixed conversion fixed in Catalogue master (1 x 4500 KGS) = Calculation B

On click of "Submit", both the Qty should match within permissible 100 KGS. If it is not matching, it shall not allow to submit the loading details

Add/Edit WB-L Details - Aggregate

2. On click of "Submit", it shall allow to add the WB-L details in to the DB for vehicle current branch.

   Without completing all the above fields entry and uploading, Submit should not be allowed.

3. On click of "Cancel", it shall alert the user for closign the current screen.

7. It shall allow to add new places in case of non-availability. While adding the places, allow to capture Phone number & email id for later usage purpose.

9. Application shall pre-populate the empty weight from the vehicle master and it shall allow to change the same

10. WB Wt - Empty Weight

11. Disabled

12. Disabled

13. Taken Empty photo should be shown as tiles here and on click of the photo, it shall open in a zoom out in a new window and allow to come back to the current screen.

14. Taken Invoice photo should be shown as tiles here and on click of the photo, it shall open in a zoom out in a new window and allow to come back to the current screen.

21. Difference Wt = Invoice Qty - Net Wt

   It shall display this field only if the difference in -ve value

   If the difference Wt is more than 1%. a notification has to be sent to Supervisor and From place phone numbers

23. UOM of the calculation done using Conversion factor which were defined in the Catalog master

24. Disabled

Scenario - Unloading Details (Aggregate)

Manage Unloading - Vehicle

2. It shall list the Loading detail trip added by the driver and the vehicle allocated to the driver.

   Tools:
   WB-L - Entering Weigh Bridge - Loading details data
   UL - Entering the Unloading Details (Without completing the WB-L details, it should not allow to update UL details)
   WB-E - Entering Weigh Bridge - Empty Qty (Without completing the UL details, it should not allow to update WB-E details)

Weighment Bridge Details

Net Wt = WB Qty - Empty Wt

1. Shall populate the Loading Empty Weight by default in this field
2. This button should be displayed only If "Weigh Bridge" is selected with "Yes" option.

   At the time of uploading the Weigh bridge photo, LAT/LON & Date/Time of that photo clicking has to be captured.
3. On click of "Cancel", it shall alert the user for closign the current screen.

Add/Edit UnLoading Details - Vehicle

2. On click of "Submit", it shall allow to add the unloading details in to the DB.

   All the fields are mandatory fields. After submitting, it should not be again allowed to driver to edit the unload details.

3. On click of "Cancel", it shall alert the user for closign the current screen.

4. At the time of uploading the Unloaded photo, LAT/LON & Date/Time of that photo clicking has to be captured. It shall not allow to take the photo more than 0.25 KM of the Unload Place LAT/LON.

   It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON of unloaded place. It should not be allowed to overwrite the photo after taking Empty Photo.

5. It shall display the load photo as display only.

   It shall be shown as tiles here and on click of the photo, it shall open in a zoom out in a new window and allow to come back to the current screen.

6. Taken Unloaded photo should be shown as tiles here and on click of the photo, it shall open in a zoom out in a new window and allow to come back to the current screen.

7. At the time of uploading the Empty photo, LAT/LON & Date/Time of that photo clicking has to be captured. It shall not allow to take the photo more than 0.25 KM of the Unload Place LAT/LON.

    It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON of unloaded place. It should be allowed to take the photo only after uploading Unloaded by photo.

9. Taken Empty photo should be shown as tiles here and on click of the photo, it shall open in a zoom out in a new window and allow to come back to the current screen.

10. Taken Weigh bridge photo should be shown as tiles here and on click of the photo, it shall open in a zoom out in a new window and allow to come back to the current screen.

11. Unloaded By persons will be stored in look up and allowed to select a person from the list

12. At the time of uploading the Unloaded By photo, LAT/LON & Date/Time of that photo clicking has to be captured. It shall not allow to take the photo more than 0.25 KM of the Unload Place LAT/LON.

    It shall allow to take the photo of the person unloaded the material and it should be allowed to upload only after taking the unload photo

13. Net Qty = UL/WB Qty - Empty Qty

14. Difference Wt = Load Net Wt - Unload Net Wt

    If the difference Wt is more than 1%. a notification has to be sent to Supervisor and From place phone numbers

Weighment Bridge Empty Details

Net Wt = WB Qty - Empty Wt

1. Shall populate the Loading Empty Weight by default in this field
2. At the time of uploading the Weigh bridge photo, LAT/LON & Date/Time of that photo clicking has to be captured.
3. UL Net Qty = WB Qty - Empty Wt
4. On click of "Submit", it shall allow to add the unloading details in to the DB.

   All the fields are mandatory fields. After submitting, it should not be again allowed to driver to edit the unload details.

5. On click of "Cancel", it shall alert the user for closign the current screen.

Scenario - Machine Inspection

Machine Inspection

1. At the time of uploading the empty photo, LAT/LON & Date/Time of that photo clicking has to be captured

   It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON.

2. At the time of uploading the empty photo, LAT/LON & Date/Time of that photo clicking has to be captured

   It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON.

3. At the time of uploading the empty photo, LAT/LON & Date/Time of that photo clicking has to be captured

It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON.

4. At the time of uploading the empty photo, LAT/LON & Date/Time of that photo clicking has to be captured

   It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON.

5. It shall allow to submit the inspection details and all the photos should be taken within 5-10 minutes timeframe.

   It will not allow to submit without any of the photos.

6. Current driver name will be displayed and disabled

7. Current date/time shall be pre-populated and disabled

Scenario - Loading details (Site)

Manage Loading - Site

Loading Date/Time	Vehicle Number	Driver Name	Tools
			WB-E, WB-L

2. It shall list the Loading detail trip added by the supervisor in Machine logshet

   Tools:
   WB-E - Weigh Bridge Empty (Only if the "Weigh Bridge" is selected as "Yes")
   WB-L - Weigh Bridge Loading

Add/Edit WB-Empty - Site

2. On click of "Submit", it shall allow to add the loading details in to the DB for vehicle current branch.

   Without completing all the above fields entry and uploading, Submit should not be allowed.

3. On click of "Cancel", it shall alert the user for closign the current screen.

11. At the time of uploading the empty photo, LAT/LON & Date/Time of that photo clicking has to be captured

   It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON. It should not allowed to overwrite the photo after taking Invoice Photo.

13. Taken Empty photo should be shown as tiles here and on click of the photo, it shall open in a zoom out in a new window and allow to come back to the current screen.

17. Application shall pre-populate the previous closing KM as start KM and allow the driver to change the KM

18. Taken from the Vehicle GVW value

19. Optional (If WB availabile, it will be uploaded. Otherwise not uploaded)

Add/Edit Loading Details - Site

2. On click of "Submit", it shall allow to add the loading details in to the DB for vehicle current branch.

   Without completing all the above fields entry and uploading, Submit should not be allowed.

3. On click of "Cancel", it shall alert the user for closign the current screen.

11. At the time of uploading the empty photo, LAT/LON & Date/Time of that photo clicking has to be captured

   It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON. It should not allowed to overwrite the photo after taking Invoice Photo.

12. It shall be allowed to upload only after Empty Photo uploaded.

   At the time of uploading the invoice photo, LAT/LON & Date/Time of that photo clicking has to be captured. Date/time should be after empty photo time and before Load Photo uploaded.

   It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON. It should not allowed to overwrite the photo after taking Load Photo

13. Taken Empty photo should be shown as tiles here and on click of the photo, it shall open in a zoom out in a new window and allow to come back to the current screen.

14. Taken Invoice photo should be shown as tiles here and on click of the photo, it shall open in a zoom out in a new window and allow to come back to the current screen.

15. It shall be allowed to upload only after Load Photo uploaded.

    Optional (If WB availabile, it will be uploaded. Otherwise not uploaded)

16. Net Wt = WB Wt - Empty Wt

Scenario - UnLoading details (Site)

Manage UnLoading - Site

2. It shall list the Loading detail trip added

    Tools:
    WB-L - Weigh Bridge Loading
    UL - Unloading
    WB-E - Weigh Bridge Empty (Only if the "Weigh Bridge" is selected as "Yes")

Add/Edit WB-L- Site

Add/Edit WB-L- Site

UnLoad Date/Time:	Date/time
Vehicle Number:	Vehicle No
Driver Name:	Driver Name
From Place:	From Place
To Place:	To Place
Product:	Select Product
Start KM:	Enter KM
Empty Wt:	Empty Wt
Load Wt:	Load Wt
Load Net Wt:	Load Net Wt:
WB Wt:	Unload Wt

[WB Photo]

[Submit] [Cancel]

Add/Edit UnLoad Details - Site

Add/Edit UnLoad Details - Site

UnLoad Date/Time:	Date/time
Vehicle Number:	Vehicle No
Driver Name:	Driver Name
From Place:	From Place
To Place:	To Place
Product:	Select Product
Start KM:	Enter KM
Empty Wt:	Empty Wt
Load Wt:	Load Wt
Load Net Wt:	Load Net Wt:
WB Wt:	Unload Wt
KM/Furlong:	KM/Furlong

[WB Photo]   [Unload Photo]   [Unload By Photo]   [Empty Photo]

[Submit] [Cancel]

Add/Edit WB-E - Site

Add/Edit WB-E - Site		
UnLoad Date/Time:	Date/time	
Vehicle Number:	Vehicle No	
Driver Name:	Driver Name	
From Place:	From Place	
To Place:	To Place	
Product:	Select Product	
Start KM:	Enter KM	
Empty Wt:	Empty Wt	
Load Wt:	Load Wt	
Load Net Wt:	Load Net Wt:	
WB Wt:	Unload Wt	
Empty wt:	Empty Wt	
Unload Net Wt:	Net Wt	(1)
Diff. Wt:	Diff Wt	(1)

[WB Photo]   [Unload Photo]   [Unload By Photo]   [Empty Photo]   [WB Photo]

[Submit] [Cancel]

1. Unload Net Wt = "WB Wt - Empty Wt"
1. Diff. Wt = "Unload Net Wt" - "Load Net Wt"

Scenario - Admin App

Scenario - Home Page

Home Page

1. On click of "Trip Verification", It shalll open the "Trip Verification" screen

Scenario - Trip Verification

Trip Verification

1. Currently loggerd in user branch will be selected and diabled. When HO user logs in, application shall allow to select the branch.

2. It shall be ordered based on the Load Date/Time and allow to sort based on any of the columns

   Tools:
   V - View the trip details
   LI - Loading images
   ULI - Unloading Images

3. On click of "List", selected Branch, Vehicle & Load Date trip details shall be listed in the grid below

Scenario - Unloading - Vehicle

Manage Unloading

1. Tools:
   UL - Unload Details (Similar to Driver UL details screen)
   CD - Chinage Details

Chinage Details (Stock)

1. On click of "Submit", it shall add the material qty of the product catalog item as stock under to place branch

Chinage Details (Site)

1. Options are (Keep this in look up to display here)
   - Subbase
   - GSB
   - BM
   - Concrete

2. On click of "Submit", store the values for the trip.

3. - LHS
   - RHS
   - Common

4. This field is displaed only if Concrete NAme of work is selected
   Following options to be displayed
   - Road
   - Drain
   - Culvert

5. Following options to be displayed
   - PCC
   - RAFT
   - WALL

- COVER SLAB

Scenario - Vehicle Inspection

Manage Vehicle Inspection

Inspected Date/time	Vehicle No.	Driver Name	Tools
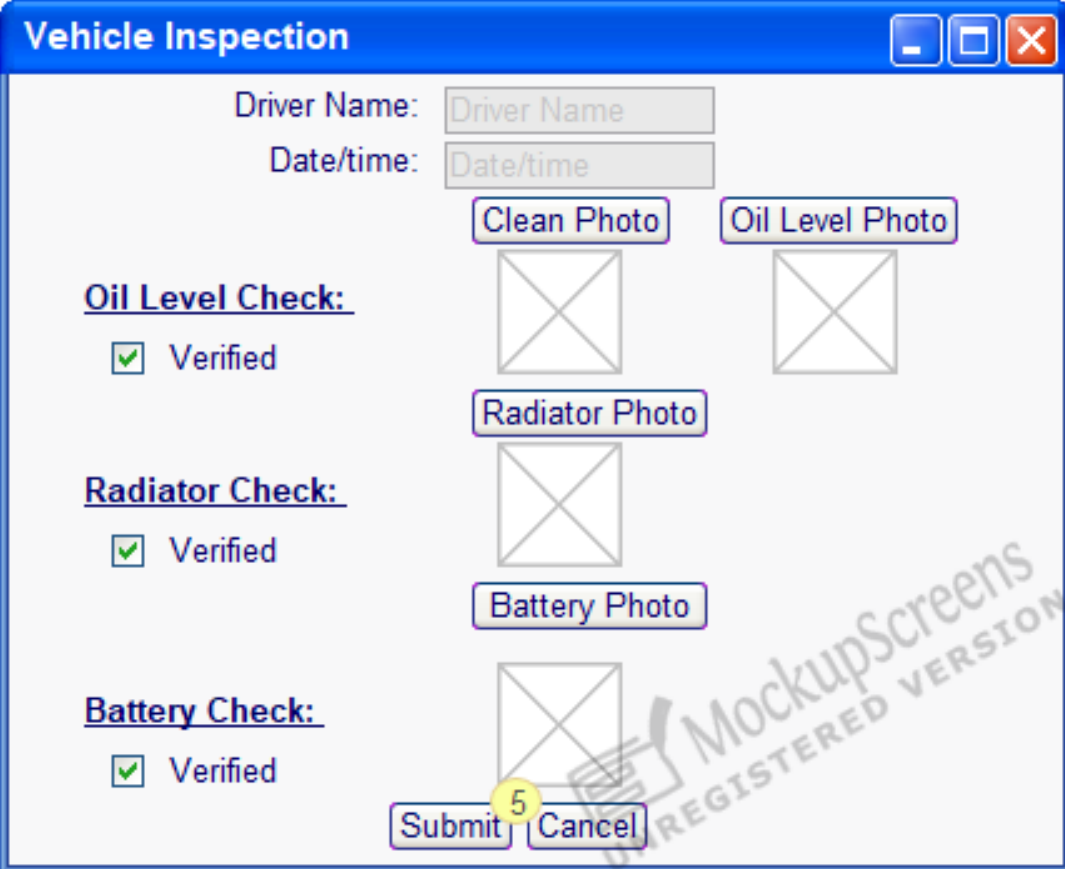
Manage Vehicle Inspection

Vehicle Number: Enter Vehicle Number
Inspected Date: Enter Date   [List]

Vehicle Inspection

5. It shall allow to submit the inspection details and all the photos should be taken within 5-10 minutes timeframe.

It will not allow to submit without any of the photos.

It will not allow to submit without doing the verification.

Scenario - Machine Logsheeet - Start

Machine Logsheet - Close

1. By default current date/time should be pre-populated and disabled

2. By default allocated mahicne should be pre-populated. Allowed to change

3. Shall be allowed to list all supervisors for selection

4. Currently logged in user shall be selected by default. It shall be allowed to change.

5. - Jungle Clearance
   - Spreading
   - Compaction
   - Paving
   - EW for Drain
   - EW for Road work
   - EW for Burms
   - Loading

   No loading involved works
   - Jungle Clearance
   - Spreading
   - Compaction
   - Paving
   - EW for Drain (Same place disposal)
   - EW for Road work (Same place disposal)

   Loading involved works
   - EW for Drain (Other place disposal)

- EW for Road work (Other place disposal)
- EW for Burms
- Loading

6. This field should be diplayed only when "EW for Drain, EW for Road work, EW for Burms" Name of Work is selected

- Jungle Clearance
- EW for Drain
- EW for Road work
- EW for Burms
- Loading
- Spreading
- Compaction

7. Allow to select a branch in this selection

Scenario - Machine Logsheeet - Close

Manage Machine - End

2. It shall list the Start detail log sheet added by the operator and the machine allocated to the Operator.

Tools:
L - Loading details (Will be shown this Icon only when the "Start" is created as "Disposal at" is selected as "Other Place"
CD - Chinage Details
Close-On click of close, it shall take to the Machine Logsheet - Close

Chinage Details

1. - LHS
   - RHS
   - Common

2. - Jungle Clearance
   - EW for Drain
   - EW for Road work
   - EW for Burms
   - Loading
   - Spreading
   - Compaction

Loading Details

1. From Place should be populated by default from the Machine Logsheet Start.
2. Shall list all the branch details
3. On clcik of "Submit", it shall create a loading details for the vehicle and shall list under drvier app for further data update from the drvier
4. Tipper vehicles has to be listed for selection
5. It shall list the "Raw Material & Sellable items" catalogue master items

Scenario - Unloading (Aggregates) - Hire Vehicles

Manage Unloading

1. Tools:
   UL - Unload Details (Similar to Driver UL details screen)
   CD - Chinage Details

Add/Edit UnLoading Details - Vehicle

2. On click of "Submit", it shall allow to add the unloading details in to the DB.

    All the fields are mandatory fields. After submitting, it should not be again allowed to driver to edit the unload details.

3. On click of "Cancel", it shall alert the user for closign the current screen.

4. At the time of uploading the Unloaded photo, LAT/LON & Date/Time of that photo clicking has to be captured. It shall not allow to take the photo more than 0.25 KM of the Unload Place LAT/LON.

    It should be allowed to overwrite the photo only within 2-3 minutes time frame and within range of LAT/LON of unloaded place. It should not be allowed to overwrite the photo after taking Empty Photo.

6. Taken Unloaded photo should be shown as tiles here and on click of the photo, it shall open in a zoom out in a new window and allow to come back to the current screen.

12. At the time of uploading the Unloaded By photo, LAT/LON & Date/Time of that photo clicking has to be captured. It shall not allow to take the photo more than 0.25 KM of the Unload Place LAT/LON.

    It shall allow to take the photo of the person unloaded the material and it should be allowed to upload only after taking the unload photo

15. - Allow to select the Hire vehicles only

16. Free text Driver Name

17. UOM shall be:
    - CFT
    - CCM
    - KGS
    - MT

If CFT or CCM UOM selected, the Weight has to be calculated from the vehicle master details
- LxBxD = Calculation A
- Invoice Qty x Product fixed conversion fixed in Catalogue master (1 x 4500 KGS) = Calculation B

On click of "Submit", both the Qty should match within permissible 100 KGS. If it is not matching, it shall not allow to submit the loading details

Add/Edit WB-L Details - Vehicle

15. - Allow to select the Hire vehicles only

16. Free text Driver Name

17. UOM shall be:
    - CFT
    - CCM
    - KGS
    - MT

    If CFT or CCM UOM selected, the Weight has to be calculated from the vehicle master details
    - LxBxD = Calculation A
    - Invoice Qty x Product fixed conversion fixed in Catalogue master (1 x 4500 KGS) = Calculation B

    On click of "Submit", both the Qty should match within permissible 100 KGS. If it is not matching, it shall not allow to submit the loading details

18. On click of "Submit", it shall allow to add the unloading details in to the DB.

All the fields are mandatory fields. After submitting, it should not be again allowed to driver to edit the unload details.

Add/Edit WB-E Details - Vehicle

15. - Allow to select the Hire vehicles only

16. Free text Driver Name

17. UOM shall be:
    - CFT
    - CCM
    - KGS
    - MT

If CFT or CCM UOM selected, the Weight has to be calculated from the vehicle master details
- LxBxD = Calculation A
- Invoice Qty x Product fixed conversion fixed in Catalogue master (1 x 4500 KGS) = Calculation B

On click of "Submit", both the Qty should match within permissible 100 KGS. If it is not matching, it shall not allow to submit the loading details

18. On click of "Submit", it shall allow to add the unloading details in to the DB.

All the fields are mandatory fields. After submitting, it should not be again allowed to driver to edit the unload details.

19. Net Wt = WB Wt - Empty Weight

Chinage Details (Stock)

1. On click of "Submit", it shall add the material qty of the product catalog item as stock under to place branch

Chinage Details (Site)

1. Options are (Keep this in look up to display here)
   - Subbase
   - GSB
   - BM
   - Concrete

2. On click of "Submit", store the values for the trip.

3. - LHS
   - RHS
   - Common

4. This field is displaed only if Concrete NAme of work is selected
   Following options to be displayed
   - Road
   - Drain
   - Culvert

5. Following options to be displayed
   - PCC, RAFT, WALL, COVER SLAB