Asset Management Demo scenarios

March 23, 2020

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# Features

1. Each asset has a central view for all its data and tickets, this view can be accessed from Assets lists, Maps, tickets, and tasks.
2. Showing Meta data related to each asset type in asset list when filtered by asset type.
3. Clients are departments and POS.
4. Adding new entity should be done in its related list page.
5. Add filters to all lists.
6. In lists, merge “detail” and “meta” buttons.
7. Removing extra columns in tickets list.
8. Add buttons to close tickets and tasks.
9. Adding members in the “user groups” list page.
10. Create task within ticket detailed view.
11. Tickets serial for scheduled tickets is not increasing.
12. Showing tickets on calendar and clicking it will open a dialog with the ticket details view including all info and tasks and ability to add new task.
13. Hangfire
14. Add warehouse type to location tree
15. Schedule creates tickets ahead so managers can view coming tickets ( maybe for a year ahead)
16. Batch entry
17. Add criticality to asset type, ticket type, asset and ticket
18. Show criticality on calendar
19. Filter charts by asset type, location, clients, criticality
20. Dashboard for corrective tickets
21. Navigate from map to floor map
22. If asset has no position, then it inherits the position of its location, so it can be clicked and navigation goes to floor map
23. Add tooltip on tasks in calendar
24. Tasks and tickets background colors in calendar
25. Resources management and distribution of tickets among them
26. Org calendar for actual ticket working days

# PCs scenario

* We need to include the location tree with the following levels:

Building – Floor – Room with ability to add asset to any level

* Keeping history of custody
* Create a tabbed view showing all info related to each PC (procurement info, barcode, current location , all maintenance)
* Floor map
* Charting ( total count of PCs , PCs in maintenance, count of corrective tickets per brand)
* Using Hangfire
* Using report engine if possible
* Preventive maintenance includes a checklist (check bios password, defragment, check local admin password, check device lock, delete temp files, windows and office activation, check antivirus and windows updates, check date and time)

# Towers Scenario

1. Add asset (Tower): adding the following info:
   1. Location as address
   2. Location (Longitude, latitude)
   3. Brand
   4. 3G Support
   5. 4G Support
   6. Signal Source ( Another tower, Comm Central , Fiber)
   7. Transmitting to (Other towers)
   8. Electricity Source (Main Power Network, Generator, Solar)
   9. Electricity Backup source ( Solar, Batteries, Generator)
   10. Installation date
   11. Lease Contract No, start date and end date
   12. Leasing contact
2. Maintenance:
   1. Corrective maintenance types: Power failure, general defect, network weakness
   2. Preventive checklist: Measure signal, cleaning, measure voltage, measure backup voltage
3. Map
4. Hangfire
5. Charting: count of towers per governorate / under corrective maintenance
6. Mobile app for preventive maintenance tasks containing the checklist

# Kiosks Scenario

1. Add kiosk:
   1. Location (warehouse)
   2. Brand name
   3. Devices available (Printer, cash acceptor, SIM dispenser, fingerprint, card reader, touch screen)
   4. Warranty
   5. Supplier
   6. Purchase date
   7. SN
   8. Type ( indoor, outdoor)
   9. Price
   10. OS
2. Installation
   1. Installation date
   2. Position
   3. Location
   4. Services activated (Pay bill, recharge, VAS)
   5. Contact person
3. Maintenance:
   1. Corrective: Power failure, general defect, network failure
   2. Preventive: Clean, Check Batteries and UPS, fill SIMs , Draw cash, check devices
   3. Corrective upon Sensor signal: Cashbox full, Network down, Empty SIMS stack, Door opened

# System behavior

* Ticket generation and closure:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Ticket type | Addition | Data | Tasks | Closure |
| Corrective | Manual | ticket type, asset instance, owner and user group | Tasks are manually created and closed | Manually, but must close all related tasks manually first |
| Preventive | Schedule | Asset type, ticket type, location, user group and owner, tasks types, summary, schedule and client (or all clients).  Add flag so Each ticket is either related to one asset instance, or to all assets in the selected location | Tasks are available to pick and handle by all members of the specified user group. They can pick it and handle it and close the task, once all tasks are closed then ticket is automatically closed.  User can open the ticket view and all its tasks are visible as checklist format.  Preventive ticket and its related tasks are shown in one view (checklist view) | Once all tasks are closed, system will automatically close the ticket. |

* Ticket type:

Add tickets types (Transaction type) like Change location, transfer custody, dispose, deliver (check-in inventory)