



Caron Medical Unit Staffing & Acuity Report Application

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Project Overview



Project Goal:

- Develop and publish an application that tracks acuity information for patient on Power Apps from the existing Medical Unit Staffing and Acuity Report system on excel
- Setup the published application on SharePoint

Point of Contact:

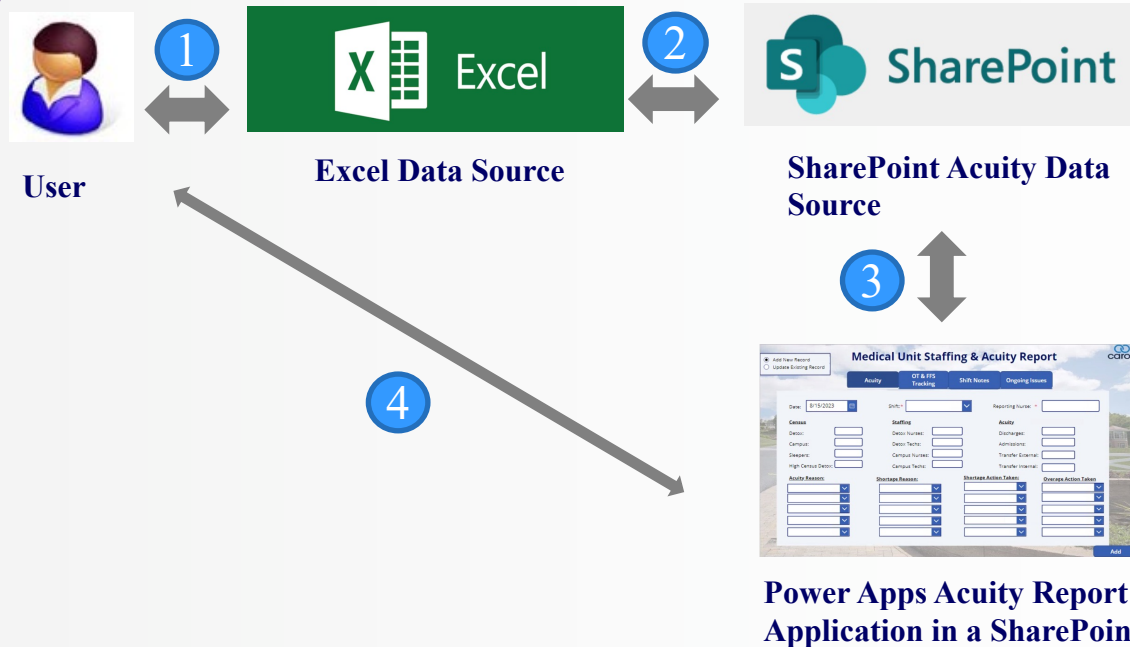
- IMS: Jannatul Ferdous & Mohamed Taleb

Project Scope:

- Cleaning, transforming and exporting the dataset to SharePoint
- Connecting the Power Apps application to the SharePoint data source
- Creating four galleries on PowerApps – acuity, OT & FFS tracking, shift notes and ongoing issues
- Inserting the required and other features in the galleries
- Adding functionalities for creating new records and updating existing records by Id
- Deploying the application on a SharePoint Page

ETL Process

Acuity Report Application



1	Data is imported from the excel data source to SharePoint after performing the required ETL process
2	The SharePoint data source is connected to Power Apps to build the application
3	Step 1 & 2 are 'one-time': data import to obtain historical and transformed data
4	Users will only go to step 4 to view the application

Application Interface: Galleries

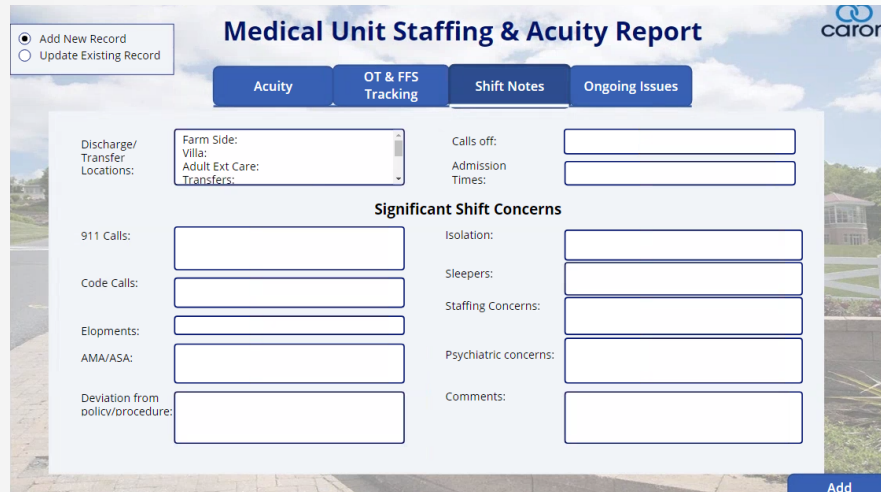
Acuity

OT & FFS Tracking

1	'Add New Record' is the default page
2	<p>The first gallery – Acuity</p> <ul style="list-style-type: none"> The 'shift' and 'reporting nurse' are the two required fields – must be filled to add a new record/update existing record Only numbers are allowed for the fields under the label 'Census' The dropdowns were created from a SharePoint reference lists
3	<p>The second gallery – OT & FFS Tracking</p> <ul style="list-style-type: none"> Only numbers are allowed for the 'amount of overtime' and 'amount of time' fields The dropdowns were created from a SharePoint reference lists

Application Interface: Galleries

Shift Notes



Medical Unit Staffing & Acuity Report

☒ Add New Record
☐ Update Existing Record

Acuity OT & FFS Tracking **Shift Notes** Ongoing Issues

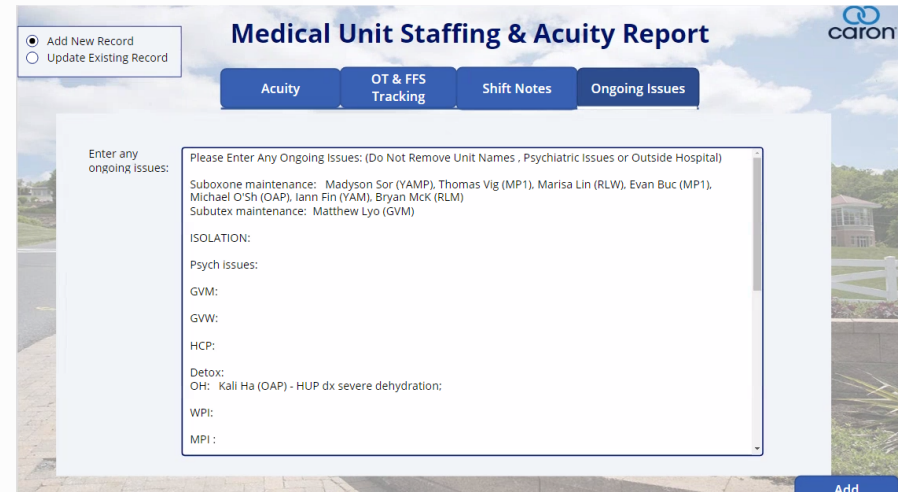
Discharge/Transfer Locations: Farm Side: Villa: Adult Ext Care: Transfers:

911 Calls: Code Calls: Elopments: AMA/ASA: Deviation from policy/procedure:

Calls off: Admission Times: Significant Shift Concerns: Isolation: Sleepers: Staffing Concerns: Psychiatric concerns: Comments:

Add

Ongoing Issues



Medical Unit Staffing & Acuity Report

☒ Add New Record
☐ Update Existing Record

Acuity OT & FFS Tracking Shift Notes **Ongoing Issues**

Enter any ongoing issues:

Please Enter Any Ongoing Issues: (Do Not Remove Unit Names , Psychiatric Issues or Outside Hospital)
Suboxone maintenance: Madyson Sor (YAMP), Thomas Vig (MP1), Marisa Lin (RLW), Evan Buc (MP1), Michael O'Sh (OAP), Iann Fin (YAM), Bryan Mck (RLM)
Subutex maintenance: Matthew Lyo (GVM)
ISOLATION:
Psych Issues:
GVM:
GVW:
HCP:
Detox:
OH: Kali Ha (OAP) - HUP dx severe dehydration;
WPI:
MPI:

Add

The third gallery – Shift Notes

- Single line and multiple lines text can be entered in the text boxes
- For the 'discharge/transfer locations' field, a template is pulled from the SharePoint reference list to guide the users

The fourth gallery – Ongoing Issues

- For the 'ongoing issues' field, the last record is pulled from the database when 'adding new record' and the database is not empty

Editing Records

Adding New Record

Updating Existing Records

For adding a new record:

1

- Select the 'add new record' and 'add' button
- The required fields must be selected (cannot be blank) before adding new records
- A new Id is generated for the newly created record and saved in the SharePoint data source

For editing existing records:

2

- Select the 'update existing record' and 'record #' to edit existing records
- The required fields must be selected (cannot be blank) before selecting the 'update' button

3

A notification message will be displayed upon successfully adding or updating existing record



Application Demonstration in SharePoint