

OMM SHIFT SCHEDULE APPLICATION

May 3, 2018



Overview

- Introduction
- Background
- Business opportunity
- Technology solution
- Application demo
- Q&A's

Background

- Shift Schedule was maintained in an Excel file which was:
 - Not user friendly and limited access to users
 - Subject to errors
 - Not integrated with Maximo
 - Not easy to query data
- Time Sheet approvals and attendance tracking not efficient, time consuming and prone to errors. Data collected:
 - Phone calls
 - In Person
 - Emails
 - Notes

NOTE: Posted shift schedules are firm six weeks from current week. Remaining weeks are pending and are for reference only.
NOTE: RED SIGNIFIES CASUAL backfill for planned absences.

Area 6		1	2	3	4	5	6	7	8	9	10	11	12	13	14	Hours this period	Hours Week 1	Hours Week 2	Total Hours
Week 1,2	Carry over	Sun 26	Mon 27	Tue 28	Wed 01	Thu 02	Fri 03	Sat 04	Sun 05	Mon 06	Tue 07	Wed 08	Thu 09	Fri 10	Sat 11				
Feb																			
Crew A	Jevon Andrychuck				D	D	N	N	V					D	D	84	48	36	84
Crew B	Dave Singh	N	V					D	D	D	N	N				79	43	36	79
Crew C	Jim O'Niell		D	N	N						D	D	N	N		84	36	48	84
Crew D	Lance Johnson			D	D	N	N						D	D	N	89	48	41	89
Crew A2						D	D	N	N	N					D	84	48	36	84
Crew B2																0	0	0	0
Crew C2	Leanne Paterson		D	N	N						D	D	N	N		84	36	48	84
Crew D2																0	0	0	0
	laureena Ssali		N						N							24	12	12	24
	Casual															0	0	0	0
	Casual															0	0	0	0
	Casual															0	0	0	0

Business Opportunity

Create an automated solution that would:

- ✓ Have one data repository
- ✓ Be user friendly and intuitive
- ✓ Have built in QA/QC – exception reports
- ✓ Improve Maximo data quality
- ✓ Increase user confidence and use of Maximo

Business Opportunity

- ✓ Leverage existing technology staff skill set
- ✓ Not require additional software licenses
- ✓ Support/store business KPIs and self-serve reports
- ✓ Is easily expandable when new requirements arise
- ✓ Collective Agreement pay balance compliance
- ✓ Support person availability for ease of scheduling and assigning work in Graphical Assignment

Integrated Solution

Maximo / Oracle APEX / Crystal Reports

1. Shift Schedule Automation
2. Attendance tracking
3. Built in QA/QC
4. Maximo is the data repository and a single source of truth
5. Monitor staff movement between different working groups and shifts
6. KPIs and Self Serve Reporting

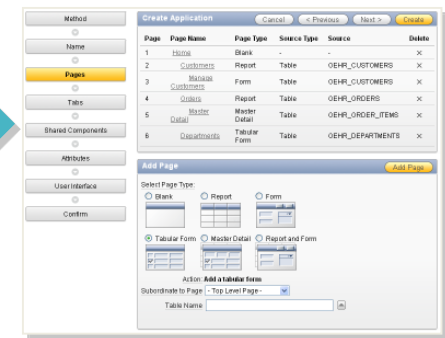
Technology Solution

- Oracle Apex Development Tool
 - Rapid Development Tool
 - Fully supported 'no-cost' Oracle Database feature
- Crystal Reports
 - York Region's Reporting Standard
- Maximo 7.6

Design



Develop



Deploy

Technology Solution

- Enhanced Maximo:
 - Added new fields
 - new indexes to existing tables
 - created audit tables for assignment, persongroup/team, personal and modavail used to track:
 - staff historical, current and future person groups and shifts and who makes those changes and their comments
 - Assignment audit tracks assignment and reassignment of work orders
- Custom built Oracle Apex application and Crystal Report on top of Maximo

Technology Solution

- Created views and queries in Maximo to support scheduling and assignment in Graphical Assignment based on changes made to the Apex Shift Schedule

User Feedback

- Increased awareness of the importance of entering person availability as it applies to shift scheduling and planning of work in Maximo
- This application has become the users' "go to"
- Staff frequently request Maximo reports to support business cases and decisions

INNOVATIVE. PASSIONATE. DRIVEN.

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Demo