**XtendM3 Approval Form:** EXT130MI-SrchAppt

**Project/Customer Name:** Autoworld

**Developer Name:** Colton Andrade

**Requirement Description:** The requirement is to search for appointments that match a certain criteria in a Dynamic Table called Appointment table. Needed to be able to search on all of the fields in this Dynamic Table by either partial or full strings. Also need to convert the times from the appointments extracted to be in the time zone of the user accessing the data (which is accessed from a mashup).

**Solution Description:** This transaction extension takes most fields of the Dynamic Table as inputs. It then gets the users information who is accessing the API to retrieve their time zone. Then it goes through all of the appointments to see if their fields match or partial match the appropriate fields (if nothing is entered on all fields then everything will be used). If a record matches on all fields then it will convert the time field in the record to the users time zone. Then all records will be outputted.

**Affected M3 Module:** User Data

**Is this a new solution?:** Yes

**Does it implement direct database access?:** Yes

* **Is direct access done on M3 Standard Tables or Dynamic (XtendM3) Tables?:** Both
* **If M3 Standard Table direct database access:** 
  + **Is there a standard M3 API for the M3 standard table?:** No
    - **If yes, why was the M3 API not used instead of the direct database access?:** N/A
    - **If no, was an enhancement request sent to product development to have an M3 API created for the M3 standard table?:** N/A
  + **Are indexes used to access the tables, using keys other than just the company and division?:** Yes
  + **Are you using expressions to filter the database access? How many records are estimated to be retrieved if filter is not applied?:** Yes
* **If Dynamic (XtendM3) Table direct database access:**
  + **Is the dynamic table extending an M3 standard table?:** No
    - **If yes, have all the dynamic table fields, that are referenced to M3 standard table fields, been validated to make sure they exist in M3 e.g. Order Number?:** N/A

**Has this solution / extension been fully tested and functionally approved?:** Yes

**Provide link/url to the version controlled repository containing the extensions:** https://github.com/colton-andrade/autoworld-xtendm3

**Is the repository updated with the correct branches?:** Yes

**Does the extension solution/codes contain parts that does not follow the guidelines/best practices, for which you are requesting an exception/special approval?:** No

* **If so, why?:** N/A

**Have you read the programming standards and made sure the code is compliant with the standards?:** Yes

**Have you followed the recommended naming conventions for extensions, methods, variables?:** Yes

**Have you documented the extension code?:** Yes

**Except for data setup, are there any other configuration or extensions dependencies required to exist for this extension to work?:** No

**Is logger used in extension?:** No