Notes to track changes to my Open Sprinkler project. Changes starting 02/16/15.

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20150618

CircuitOnOffMessage - added time to Constructor so can handle timed manual operation.

CustomListAdapter - mods to accommodate timed manual operation. Also cleaned up Ospi message sending by adding a Send() method to hide some of the details for posting.

ManualModeActivity - added code to store more info from screen to CircuitList in onPause() and to restore it in onCreate().

OspiMessageHandler - added time parameter to OspiPostCircuitOnOffMessage()

20150616

Circuit - added activity specific (manual mode, program schedule and log) for start time, stop time and duration to distinguish between the different info that is on the different screens.

20150611

NEW - CircuitList - Defined as a Singleton, CircuitList contains info regarding the sprinkler circuits (an ArrayList of Circuit class) in the system. This list is meant to be available to all classes and contain circuit and circuit status.

ManualMode - mods to incorporate new CircuitList class.

20150606

ListItem - make implement Serializable so can save data in Bundle for saved InstanceState.

ManualModeActivity - Added code to save/retrieve the circuit list info into the savedInstanceState Bundle.

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20150604 COMMIT to GIT Restructured to use OspiMessageHandler, started to add ProgramSummaryActivity which will provide a list of program schedules.

20150602

ManualModeActivity - Removed SendCommand() and SendMessage() methods that are replaced by methods in the OpsiMessageHandler andOspiMessage classes. onEvent() now being handled in the OspiMessageHandler class. Moved mOspiMsgHandler = new OspiMessageHandler( this, OspiGetResultsAsyncTask.OSPI\_GET ); -- which does register to event bus, to onCreate(). BUT not sure this will work. Seems to be okay for now.

20150602

RENAME OspiMessage to OspiMessageHandler

RENAME OspiEvent to OspiMessage

RENAME CircuitOnOfEvent to CircuitOnOffMessage

RENAME ChangeProgramEvent to ChangeProgramMessage

20150601

NEW - OspiEvent - abstrace event class that CircuitOnOffEvent and ChangeProgramEvent are derived from.

20150529

ManualModeActivity - added OspiMessage to use to SendMessage .

CustomListAdapter - added parameter and OspiMessage class data member so can to handle posting of Circuit On/Off commands

20150526

ScheduleActivity - modified to use OspiMessage rather than implementing SendMessage() locally.

OspiMessage - added SendMessage(). So far decided to keep EventBus stuff in Activities.

20150521

NEW - OspiMessage - model class to define the message structure to be sent to OsPi. Previously I was just constructing each message individually. Feel the need for a class here so can use SendMessage() or SendCommand() (whichever I decide on) in multiple Activities / Classes.

20150507

NEW - ProgSumListItemTest - JUnit Tests Currently only ProgSumListItemTest under a new tests directory.

Not exactly sure how I got this to be created a where I wanted it to (which is within the SLM-OspiUI project mostly so that it would fall under the source controlled directory. I tried a bunch if different ways to create the JUnit test project as stackoverflow, Lars and others suggested but I kept getting projects that were separate from SLM-OspiUI and therefore not under GIT. Or I'd get 2 projects, one within the project and one not. I wasn't able to access / create a new file in the test directory within the project and so I just kept trying different things, adding and deleting projects and directories and finally I think I found a way that worked, unfortunately, I have no idea what I did:(

I do know that I created the tests directory first. Then somehow got a package under src to be created but it had the same name as com.slm.ospiui. For some reason Eclipse didn't complain about the duplicate names. I think I renamed the new com.slm.ospiui package to com.slm.ospiui.test and then I was able to add a test file (ProgSumListItemTest.java) to it (but I could have added the file to the original com.slm.ospiui package then moved it to the new package and renamed it sometime in there). I had created a test case many times before all this , when the Test Project was NOT part of the SLM-OspiUI project and then copied the code into the file in several places and tested it in each place before moving it to the different locations. Eventually I moved the entire test package to the tests directory. I have a note in the ProgSumListItemTest file that tells how to run the tests so far. Hopefully I can figure out how to do this again.

20150423

NEW - program\_summary\_list\_item.xml - describes list item format for ProgramSummaryActivity.

NEW - ProgSumListItem - class contains Constructors, getters, setters and toString() methods corresponding to program\_summary\_list\_item.xml.

NEW - ProgSumListAdapter - adapter class to handle program\_summary\_list\_items.

NEW - ProgramSummaryActivity - activity to handle user

20150417

ScheduleActivity - mods to handle enabled and program id fields.

ChangeProgramEvent - add parameters constructor for enabled and program id and added them to the change program request.

MainActiity - cleaned up code.

20150416

schedule\_activity.xml - add enable checkbox and text field to specify which program to modify or set pid to -1 if want to add a new one. Won't actually "get" the current schedule and fill in the form. Saved for next change.

strings.xml - add enabled string and others as needed.

dimens.xml - changes as needed.

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20150416 COMMITTED to GIT New crude ScheduleActivity, many hard-coded arguments but command works. Currently set to add the schedule (pid=-1)

20150415 SLM

ScheduleActivity - Added Lifecycle methods which added an EventBus register & unregister calls. Added command type to OspiGetResultsAsyncTask calls.

ChangeProgramEvent - changed Constructor to accept new arguments for enabled and program Id to make the ScheduleActivity screen more usable.

ManualModeActivity - Added command type to OspiGetResultsAsyncTask calls.

OspiGetResultsAsyncTask - Removed TEMP commented out code for Mammoth trip.

- Added a second argument to constructor to indicate the type of command (a GET which expects a result, and an EXECUTE, which sends to request but does not expect a result (for my cp or change program requests))

- Added if case to handle different command types

20150402 SLM

OspiGetResultsAsyncTask - TEMP TEMP - COMMENTED OUT CALL TO JSOUP SO I DON'T MESS

UP THE SPRINKLER PROGRAMMING BEFORE WE GO TO MAMMOTH. UNCOMMENT WHEN WE

GET BACK!!!!! TEMP TEMP

20150331 SLM

TimePickerDialogFragment - add code to allow for specifying 24-hour time format.

NEW ChangeProgramEvent - use to create a cp or change program request to the Ospi web app (currently just creates a new program with pid hardcoded to -1.

20150323-26 SLM

NEW TimePickerDialogFragment - added to handle starttime setting on ScheduleActivity screen.

NEW ScheduleActivity - new Activity to display the setup for a schedule. This is just a temporary attempt to get "something" working.

NEW ManualModeActivity - MainActivity RENAMED to ManualModeActivity and make minor changes so it can be called up by a new MainActivity that displays 2 buttons: one for Manual Mode and one for the Schedule.

MainActivity - MODIFIY to only have 2 buttons: one to display the ManualModeActivity and one to display the ScheduleActivity.

NEW schedule\_setup.xml - define screen elements for ScheduleActivity.

main.xml - RENAMED to manual\_mode.xml

main.xml MODIFIED for new MainActivity

list\_item.xml - minor mods to spacing and/or dimens changes

AndroidManifest.xml - added new Activities. Currently using explicit intents for manual mode and schedule.

dimens.xml, strings.xml - mods as needed.

style.xml - mods as needed.

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20150321 COMMIT to GIT Manual Mode with timers working (more or less)

20150312 SLM

NEW TimerSetEvent & TimerSetListener - Event to be fired when the duration changed, so list item duration could be set.

NEW BUT NOT IMPLEMENTED SCountdownTimer - wanted to create a timer that counts down rather than up. This is not yet implemented.

NEW STimeTextView - Created to try to separate the display functionality ("00:00") from the runnable in STimerView. But still have some co-mingling of functionality because I needed a way to fire an event when the value of the duration changed so that the list item would be updated

RENAME SLMTimerView to STimerView. Also made this be derived from STimeTextView, trying to separate the runnable functionality from the simple display (i.e. "00:00").

CustomListAdapter - Many changes to organize the Adapter & ViewHolder classes. Added cirDuraionSTTV and cirDurationMs, removed listItem. position holds the position in the list so really didn't need to drag around the extra baggage of the ListItem in the ViewHolder. Modified most of the Tags to be set to the holder variable rather than the position. This allowed me to get rid of the newHolder variable. Just working to be able to change the duration variable in the list items so that we could maintain the correct value for the Duration that is displayed / set on the screen. This is not quite working but I'm close.

ListItem - Added displayDuration and logDuration and removed duration.

TimerOickerDialogFragment - Mods to try to update the duration when the timer picker OK button was pressed. This is not quite working but I'm close.

20150217 SLM

NEW - TimerPickerDialogFragment - new Picker widget to allow user to enter minutes and seconds to run a sprinkler circuit.

ListItem - added a SetTimer button such that when pressed, the TimerPickerDialogFragment will pop up so user can set Timer time.

list\_item - added set\_timer button to xml file

CustomListAdapter - mods to allow SetTimer button to be pressed and responded to (Temp response for now).

20150216 (and before) SLM

ListItem - Changed displayTime to duration. startTime and stopTime will be used for logging purposes and will include date and time info. duration will only hold the value for the number of ms that the circuit has run.

NEW - SLMTimerView - new widget to replace Chronometer since Chronometer only counts up and I want to be able to count down as well. Extends TextView.

CustomListAdapter - Mods to deal with new SLMTimerView instead of Chronometer. holder is a pain to work with:-)

NEW - CircuitOnOffEvent - added to work with EventBus

NEW - TimePickerFragment - added to handle setting duration of manual mode operation.Not implemented yet.

NEW - OspiGetResultsListener and OspiResultsListener - added / separated out to handle JSoup requests.

OnResults() not implemented yet.

Added use of greenrobot EventBus library.