Time Drawer

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SEP 18, 2015

Agenda

- Packages
- Time drawer
- Meal Break
- Time Tracking Manual

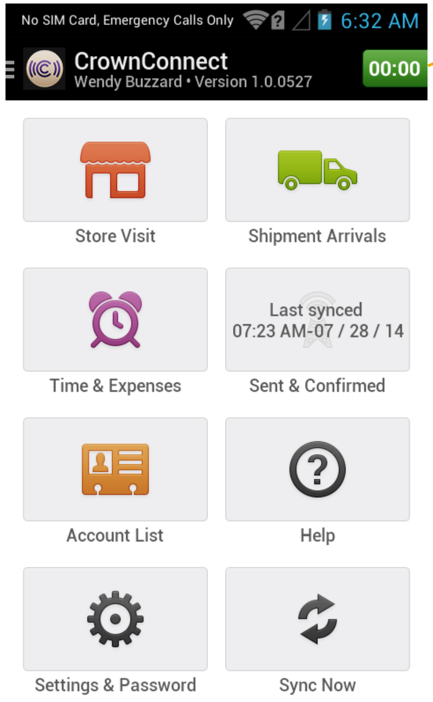
Packages

The following packages are created to support this functionality:

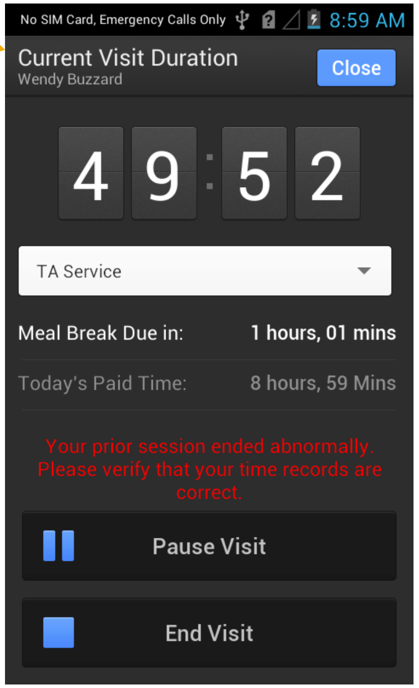
- com.sap.hallmark.views
- com.sap.centerlock.horizontalscrollview
- com.sap.hallmark.adapters
- com.sap.hallmark.abo
- com.mdc.sap.fso.mbo
- com.sap.hallmark.framework

Time Drawer

If the user clicks on the green color header icon (header timer icon), then the application opens the TimeDrawer screen,



Click here


No SIM Card, Emergency Calls Only 8:59 AM

Current Visit Duration
Wendy Buzzard
Close

4 9 : 5 2

TA Service

Meal Break Due in: 1 hours, 01 mins

Today's Paid Time: 8 hours, 59 Mins

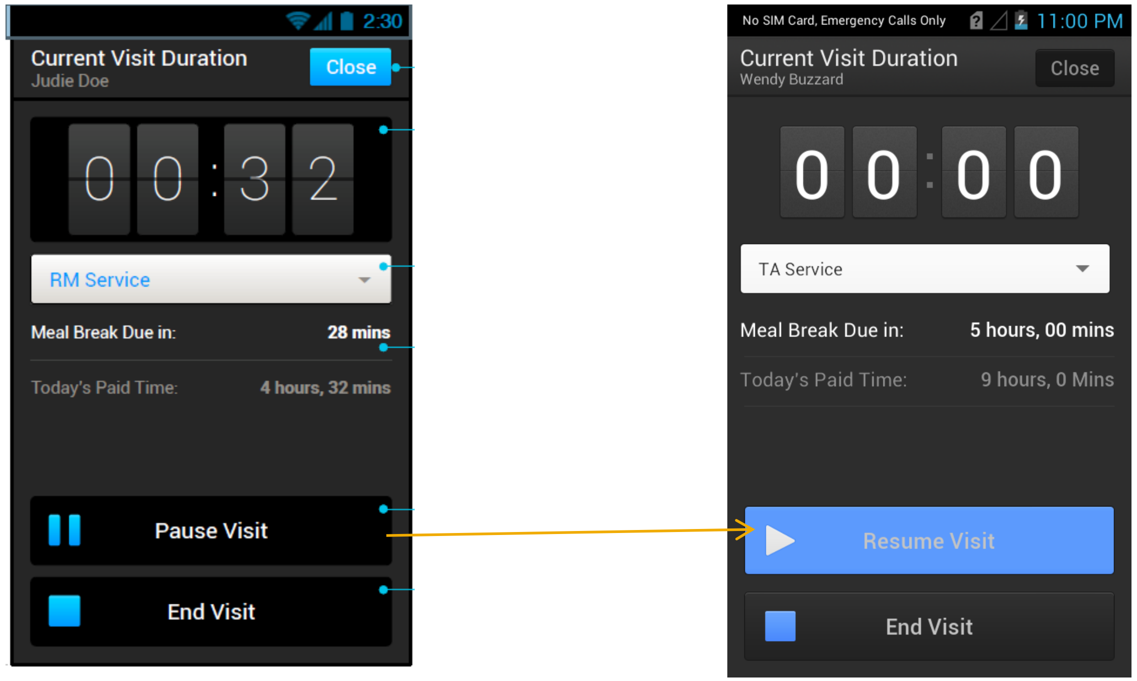
Your prior session ended abnormally. Please verify that your time records are correct.

Pause Visit

End Visit

Time Drawer

If the user clicks on the pause button then all the running timers are paused on that instance and the screen UI will be as seen below :


2:30

Current Visit Duration
Judie Doe
Close

0 0 : 3 2

RM Service

Meal Break Due in: 28 mins

Today's Paid Time: 4 hours, 32 mins

Pause Visit

End Visit

No SIM Card, Emergency Calls Only 11:00 PM

Current Visit Duration
Wendy Buzzard
Close

0 0 : 0 0

TA Service

Meal Break Due in: 5 hours, 00 mins

Today's Paid Time: 9 hours, 0 Mins

Resume Visit

End Visit

Time Drawer

Pause Code (TimeDrawerPresenter.java)

```
public void pauseSystemTimer() {

		pauseSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_HEADER_TIMER_OBJECT);
			pauseSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_ADMIN_TIME);

		pauseSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_INSTALLATION_SERVICE_TIMER_OBJ
ECT);

		pauseSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_MAA_SERVICE_TIMER_OBJECT);

		pauseSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_RM_SERVICE_TIMER_OBJECT);

		pauseSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_TA_SERVICE_TIMER_OBJECT);

		pauseSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_MEALBREAK_TIME);
			startPauseTimer();
		}
```

Time Drawer

```
private void pauseSystemTimer(String key) {
        TimeCounter timeCounter = TimerUtility.getTimerUtilityInstance()
                        .getTimerObjectFromContainer(key);
        if (timeCounter != null) {
                timeCounter.pauseSystemTimer();
                //timeCounter.unregisterTimerCounterCallback();
        }
}
```

Time Drawer

Resume Code (TimeDrawerPresenter.java):

```
public void resumeSystemTimer() {
resumeSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_HEADER_TIMER_OBJECT);

                    resumeSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_ADMIN_TIM
E);

                    resumeSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_MEALBREAK
_TIME);

                    resumeSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_INSTALLATIO
N_SERVICE_TIMER_OBJECT);

                    resumeSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_MAA_SERVI
CE_TIMER_OBJECT);

                    resumeSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_RM_SERVICE
_TIMER_OBJECT);

                    resumeSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_TA_SERVICE
_TIMER_OBJECT);
```

Time Drawer

```
					TimeCounter pauseTimeCounter = 
TimerUtility.getTimerUtilityInstance().getTimerObjectFromContainer(IAppConstants.TimerMa
nagerConstants.TIMER_UTILITY_PAUSE_ACTIVITY_TIMER_OBJECT);
					if(pauseTimeCounter != null) {
						long pauseTime = 
pauseTimeCounter.getTimeLasped();
						if(pauseTime < 60) {
							//flush pause timer - no affect

			addPauseSecondsToTimer(IAppConstants.TimerManagerConstants.TIMER_UTI
LITY_HEADER_TIMER_OBJECT, pauseTime);

			addPauseSecondsToTimer(IAppConstants.TimerManagerConstants.TIMER_UTI
LITY_ADMIN_TIME, pauseTime);

			addPauseSecondsToTimer(IAppConstants.TimerManagerConstants.TIMER_UTI
LITY_MEALBREAK_TIME, pauseTime);

			addPauseSecondsToTimer(IAppConstants.TimerManagerConstants.TIMER_UTI
LITY_INSTALLATION_SERVICE_TIMER_OBJECT, pauseTime);
```

Time Drawer

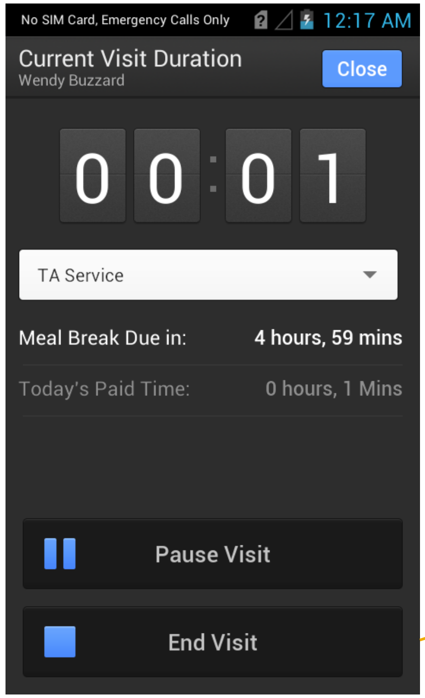
```
addPauseSecondsToTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_MAA_SERVI
CE_TIMER_OBJECT, pauseTime);

                        addPauseSecondsToTimer(IAppConstants.TimerManagerConstants.TIMER_UTILIT
Y_RM_SERVICE_TIMER_OBJECT, pauseTime);

                        addPauseSecondsToTimer(IAppConstants.TimerManagerConstants.TIMER_UTILIT
Y_TA_SERVICE_TIMER_OBJECT, pauseTime);

                        pauseTimeCounter.stopSystemTimer();

                        pauseTimeCounter.flushSystemTimer();

                        TimerUtility.getTimerUtilityInstance().removeTimerObjectFromContainer(IAppCo
nstants.TimerManagerConstants.TIMER_UTILITY_PAUSE_ACTIVITY_TIMER_OBJECT);
                                                                        }
```

Time Drawer

```
else if(pauseTime >= 60 && pauseTime < 30*60) {
                                                                        // save pause timer to DB
                                                                        TimeStampUtility.getTimeStampInstance(mContext).submitPauseTimeStamp();
                                                                        pauseTimeCounter.stopSystemTimer();
                                                                        pauseTimeCounter.flushSystemTimer();

                  TimerUtility.getTimerUtilityInstance().removeTimerObjectFromContainer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_PAUSE_ACTIVITY_TIMER
_OBJECT);
                                                      }else if(pauseTime >= 30*60) {
                                                                        //save pause timer to DB and reset meal break timer to 0.
                                                                        TimeStampUtility.getTimeStampInstance(mContext).submitPauseTimeStamp();
                                                                        Timestamp endTimeStamp =
AppUtility.getAppUtilityInstance().getCurrentTimeStampWithoutSecs();
                                                                        resetSystemTimer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_MEALBREAK_TIME,
true);

                                                                        pauseTimeCounter.stopSystemTimer();
                                                                        pauseTimeCounter.flushSystemTimer();

                  TimerUtility.getTimerUtilityInstance().removeTimerObjectFromContainer(IAppConstants.TimerManagerConstants.TIMER_UTILITY_PAUSE_ACTIVITY_TIMER
_OBJECT);
                                                      }
                                                      //Delete all local pause records.
                                                      WriteLocalDataUtility localDataUtil = new WriteLocalDataUtility(mContext);
                                                      localDataUtil.deleteAllPauseRecords();
                                    }
                  }
```

Time Drawer

If the user enters into the store and clicks on the end visit button.

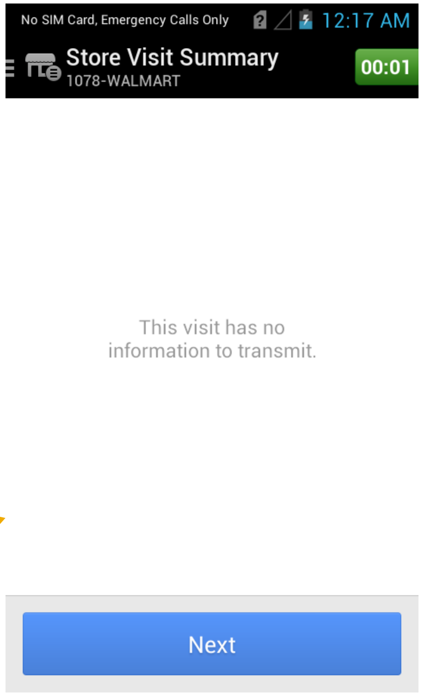


No SIM Card, Emergency Calls Only 12:17 AM

Current Visit Duration
Wendy Buzzard

Meal Break Due in: 4 hours, 59 mins

Today's Paid Time: 0 hours, 1 Mins



No SIM Card, Emergency Calls Only 12:17 AM

Store Visit Summary
1078-WALMART

This visit has no information to transmit.

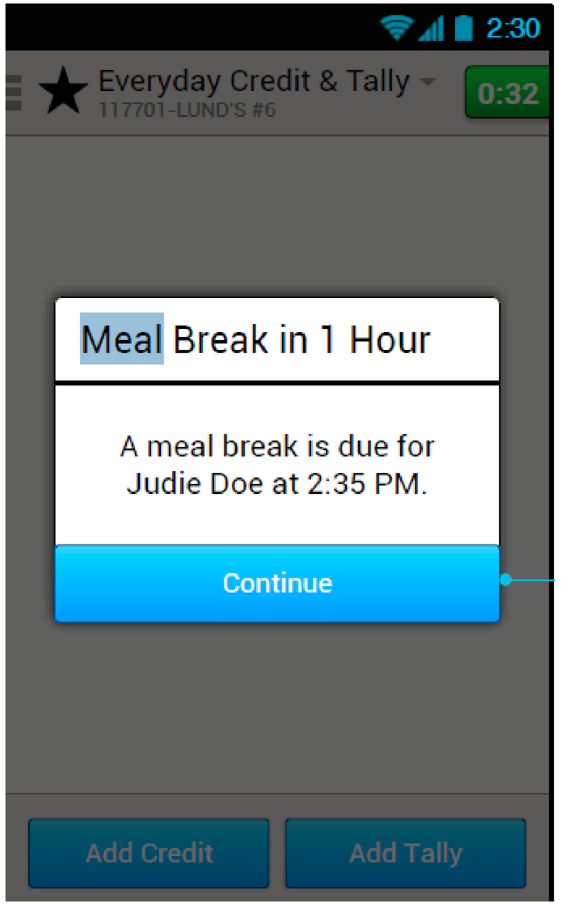
Meal Break

The employee is required to take a meal break for every five hours worked. Each meal break has two warnings.

The first warning is given an hour before the required meal break with the title "Meal Break in 1 Hour".

The second warning is given fifteen minutes before the required meal break with the title "Meal Break in 15 Mins".

The backend needs to record that the warnings are shown and that the employee acknowledges them via tapping Continue.



Meal Break in 1 Hour

A meal break is due for Judie Doe at 2:35 PM.

Meal Break

Meal break due in time will reset based on the below conditions:

1 – If there is a timer pause 30mins or more than 30 mins.

2 - After every 5 hours.

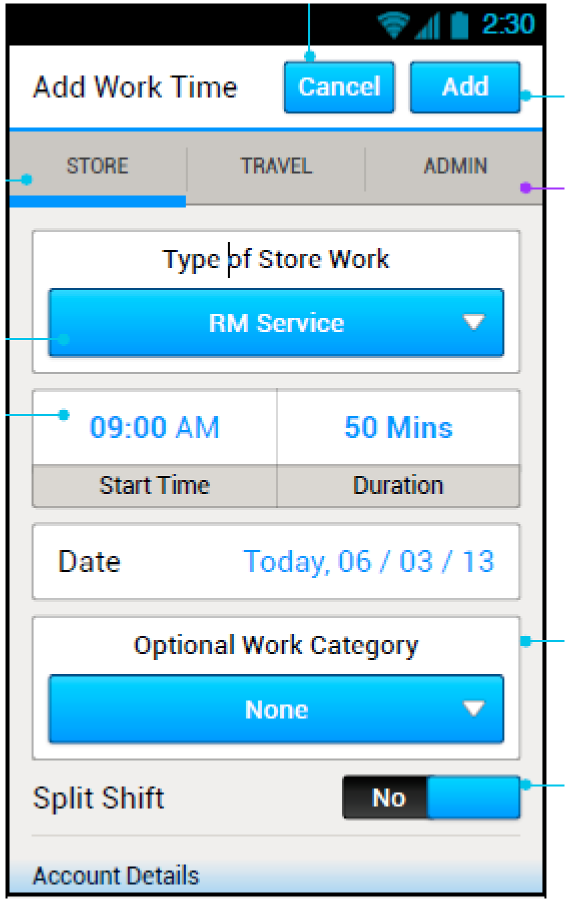
3 – At midnight.

Time Tracking

The user is able to choose between Work, Travel and Administrative time reports.

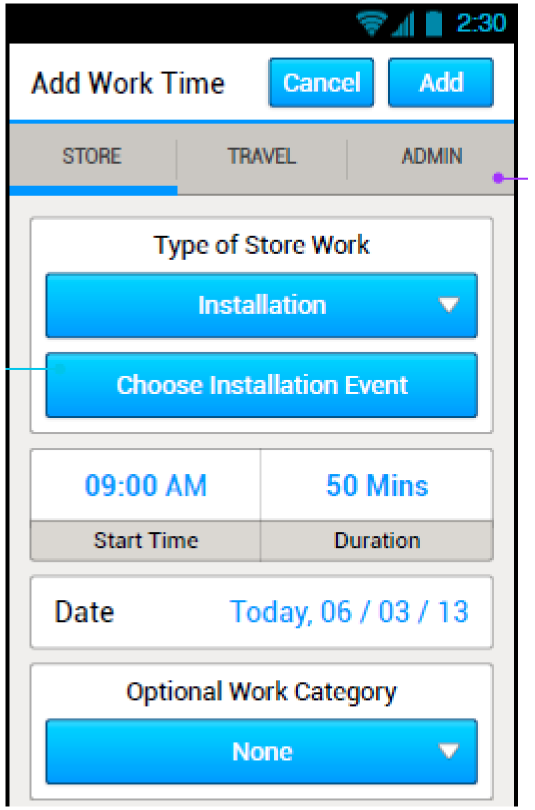
Account details are automatically populated with the current checked in account. If the user is not checked in, only the "Choose Account" button is present

Optional work categories values comes from the OptionalWorkCategory MBO.



Time Tracking

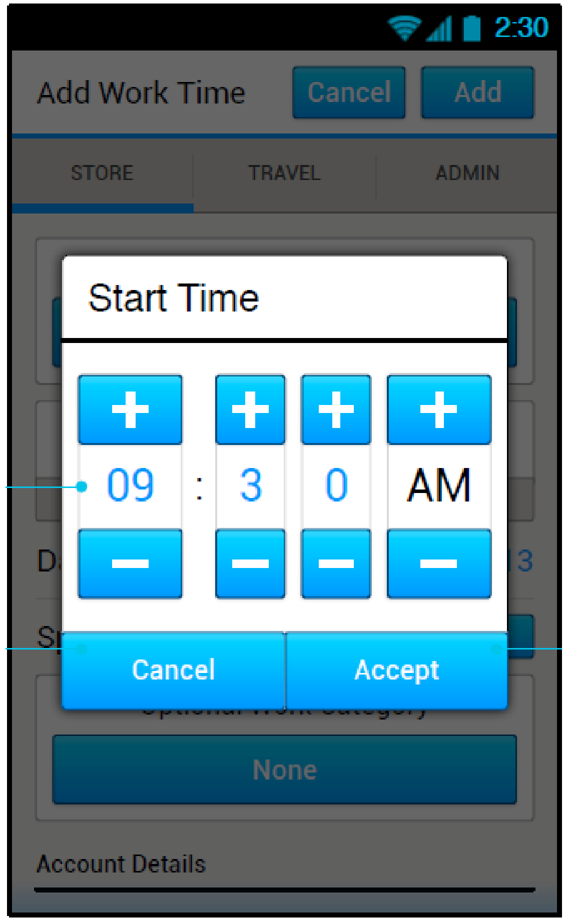
If the user chooses Installation as the type of store work, we reveal a second option for them to choose an installation event.



Time Tracking

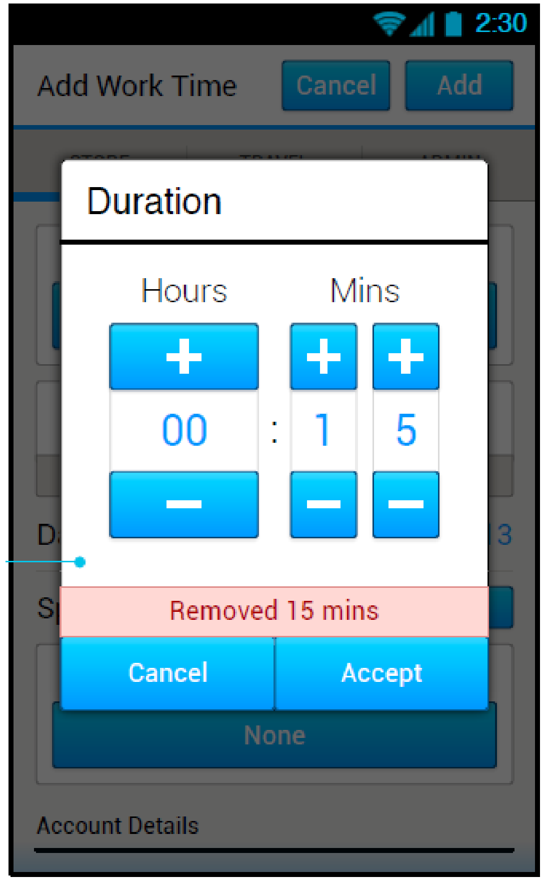
Midnight (12AM) is the baseline start time for any day.

Users cannot enter time that is after the current time. (i.e. They cannot add time for 4PM that day when it is 2:30PM.)



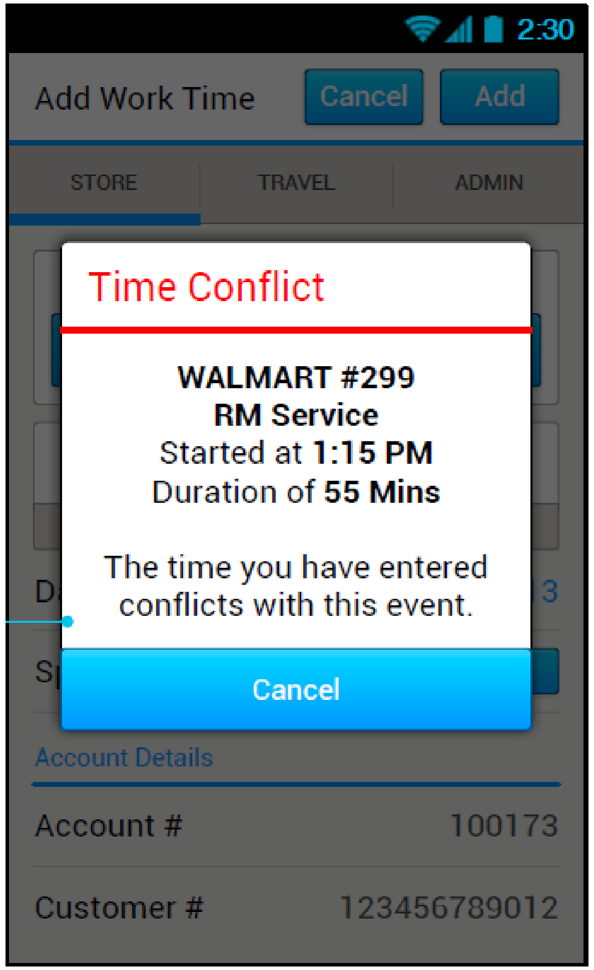
Time Tracking

If the user opens a time picker after initial entry an additional row of information is displayed to show the relative difference between the entered time and modified time; with "Removed" for time removed from the duration and "Added" for time added to the duration. If no change has been made yet, it instead reads "No changes made".



Time Tracking

Multiple alerts for Time Tracking must be supported. Hallmark will provide a list of triggers and resulting messages.



Time Conflict

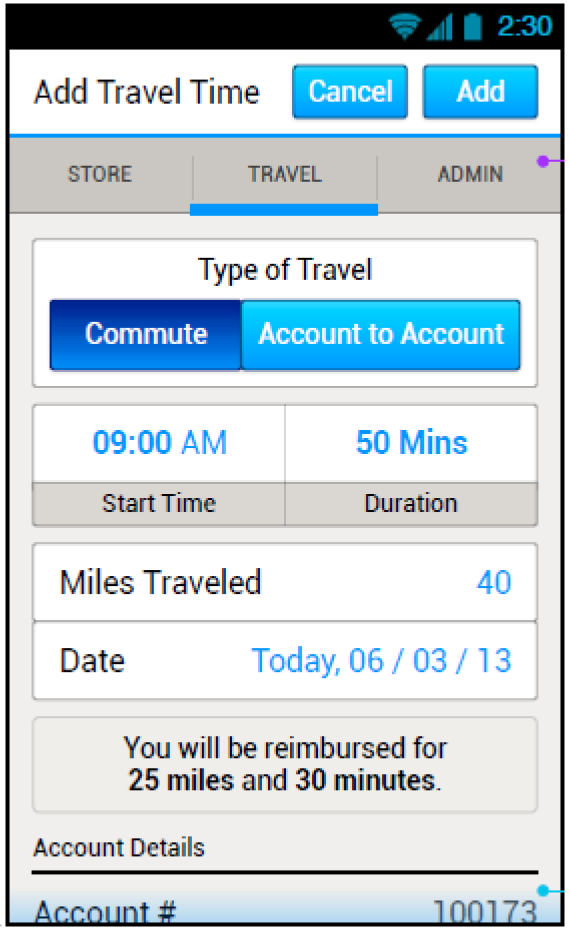
WALMART #299
RM Service
Started at **1:15 PM**
Duration of **55 Mins**

The time you have entered conflicts with this event.

Account #	100173
Customer #	123456789012

Time Tracking

Type of Travel is not defaulted to either option, the user must select one of the choices before adding the travel time.



Type of Travel

Commute | Account to Account

09:00 AM	50 Mins
Start Time	Duration

Miles Traveled	40
Date	Today, 06 / 03 / 13

You will be reimbursed for
25 miles and 30 minutes.

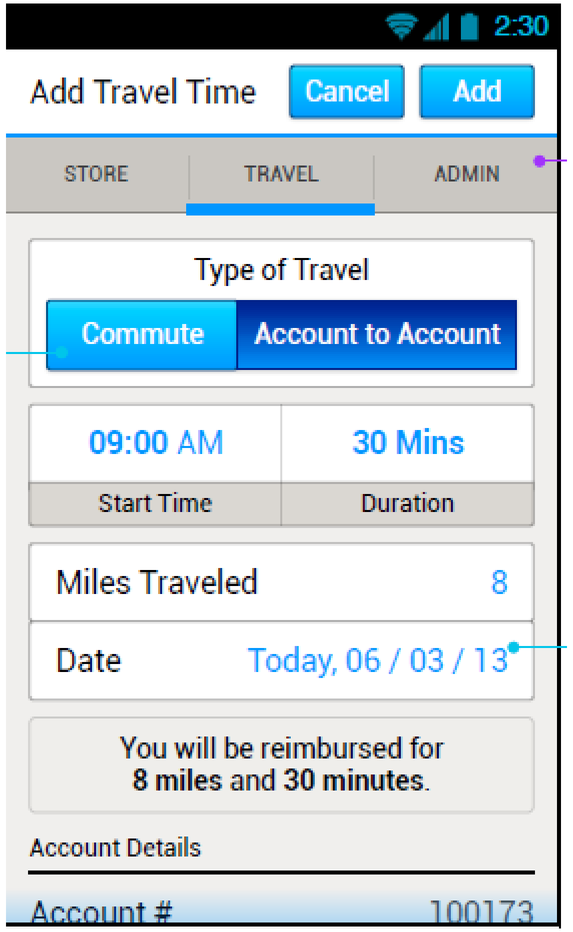
Account Details

Account #	100173

Time Tracking

In this screen the user has selected Account to Account as their Type of Travel.

The wording for reimbursement changes if the user is eligible for neither.



Type of Travel

Commute | Account to Account

09:00 AM	30 Mins
Start Time	Duration

Miles Traveled	8
Date	Today, 06 / 03 / 13

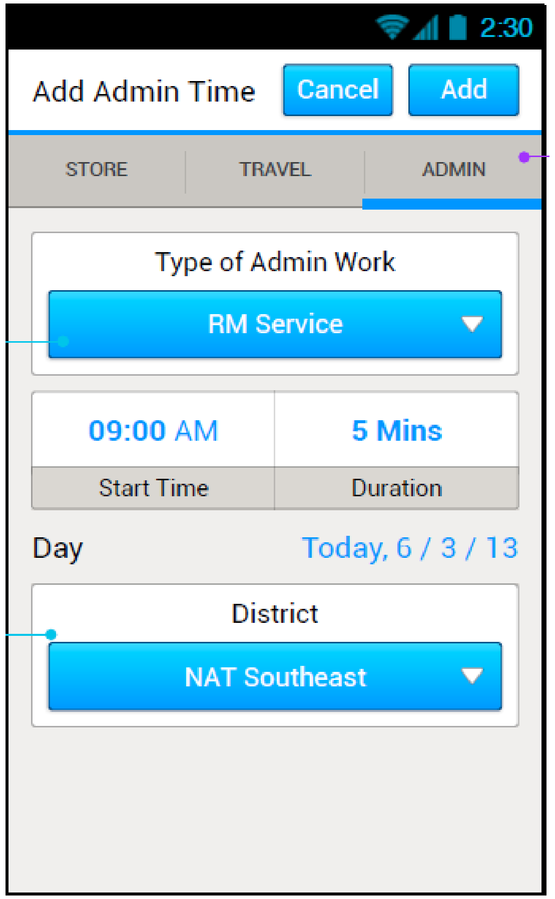
You will be reimbursed for
8 miles and 30 minutes.

Account Details

Account # 100173

Time Tracking

Districts values comes from the CostCenter MBO. Up to twelve options need to be
supported. District will default to the user's current district.



2:30

Add Admin Time

Cancel | Add

STORE | TRAVEL | ADMIN

Type of Admin Work: RM Service

Start Time: 09:00 AM

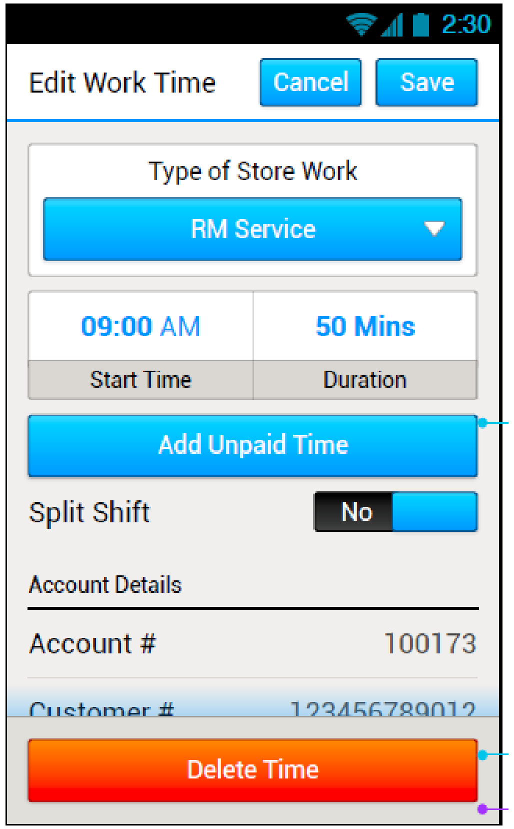
Duration: 5 Mins

Day: Today, 6 / 3 / 13

District: NAT Southeast

Time Tracking

When editing an existing time report, the user is presented with the option of deleting the entry.



2:30

Edit Work Time

Cancel

Save

Type of Store Work

RM Service

09:00 AM

50 Mins

Start Time

Duration

Add Unpaid Time

Split Shift

No

Account Details

Account # 100173

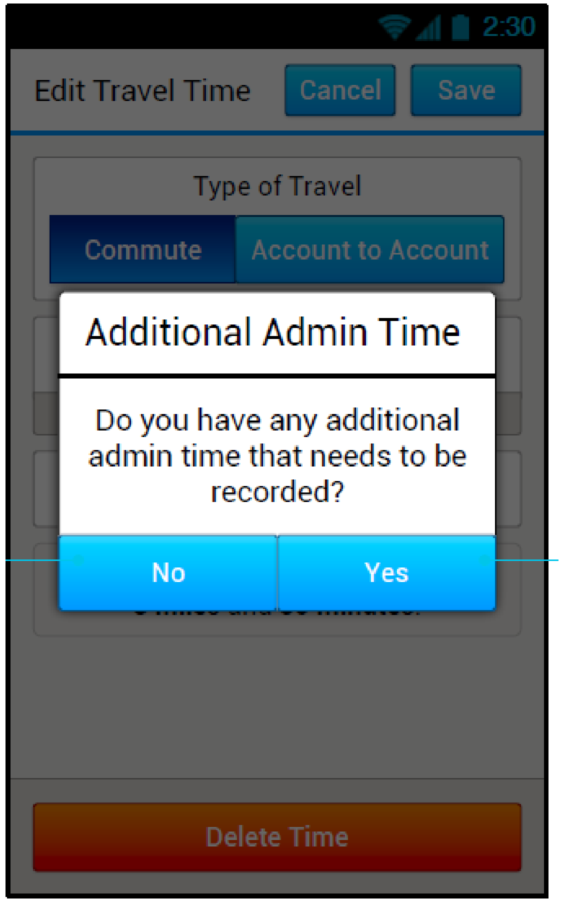
Customer # 123456789012

Delete Time

Time Tracking

When the user has entered the second commute travel time for the day, a dialog requesting if they have any additional admin time to report is shown.

The API **isAdminPopOverRequired** of TravelTimeABO class is used to find if the second commute is being captured.



Additional Admin Time

Do you have any additional admin time that needs to be recorded?

Thank You