**Read Me Document for Mobile TzuChi App**

**Overview**

When the application starts, it launches a service to inquiry an event calendar to see if there are any unregistered upcoming volunteering events from Tzu Chi Foundation. When new unregistered events are discovered, the application puts notifications on status bar to notify users. When user clicks on the notification(s), the applications prompts user asking (1) If he/she plans to attend the event, and (2) if so, would you like the application to add this event to his/her device’s Google Calendar.

User can use this application to view his/her registered volunteering events, unregister prior registered event(s) that he/she cannot attend, and set up whether or not he/she want the application to periodically check for new events and how often the application should check for new events.

**Screens**

**Main Screen:** Designed as the splash screen for the application. Not much on it since I am still waiting for the decision from Tzu Chi Foundation on what to put on it. It has three items on the action bar/option menu:

1. **Registered Events**: Display the events that user has registered to attend. User can use the context menu on the event to unregister.
2. **Refresh**: Instruct the application to check for new events in real time.
3. **Preferences**: Set up Auto Update for events inquiry and Update Interval.

Components:

The Mobile TzuChi app has the following components:

1. MTCMainActivity: The main screen.
2. MTCRegisteredEvents: The activity to manage to display and manage registered events.
3. MTCPreferences: The preference screen.
4. MTCEventsQueryService: The service to inquiry event calendar for new events. It sends out notifications for new events.
5. MTCEventsDBAdapter: Adapter to manage local events database.
6. MTCEventsProvider: Content provider for events.
7. MTCAddEvent: Activity to manage user’s signing up for events.
8. MTCEvent: Business object for events.
9. MTCEventJson: Json representation of events, since events are sent out from server in JSON format.
10. Other supporting components.