# Event Reminder and Notification System

The Event Reminder System is understood to provide a mechanism to create and consume meeting and event notices and reminders. The creation and consumption of the events are to be separate and shall function in a client-server model.

The Event reminder and Notification system shall have two main components broadly classified as:

1. Web-Service application hosted on a web server
2. Mobile application the client that will access this web service

Web Service Application:

1. The Web service application shall be responsible for creation and scheduling of events
2. The Web service can be implemented in either asp.net or PHP and shall provide data in JSON format preferably, as it is less complex and lighter weight for simple transactions. Alternatively SOAP can also be used for the data exchange.
3. The Web service will provide at the minimum a remote function to send all event schedules available.
4. The Web service can use a backend database like SQLServer Express, xml or MySQL to store the event information.
5. A single event record shall contain the following data at the minimum:
   1. Event id (should be unique)
   2. Event Title
   3. Event Description
   4. Event Time and Date
   5. Event duration
   6. Event Location
   7. Event Time zone

Mobile Application:

1. The mobile application will be a client that will extract data from the server periodically or as initiated by the user at any time
2. The mobile application will be made available on Android version 2.2 upwards and iPhone devices.
3. The mobile app shall integrate with the devices built-in calendar to store the events and reminder related information. This will ensure that user will not have to learn a new interface to manage his/her appointments.
4. Each event will have the following default reminders:
   1. 2 week prior
   2. 1 week prior
   3. 1 day prior
5. In addition to the default reminders the user can add additional reminders using the built-in Calendar.
6. The App UI will be simple and provide the current days appointments extracted from the web service at a glance. It will also provide buttons
   1. to fetch events from the web-service on the fly
   2. to view the calendar