**Project overview**

With the rapid pace of life, people have lots of works to arrange every day, such as important meeting, personal dates, gathering, you name it. Moreover, With the busy life, people only have little time to keep contact with their friends, and forgetting their birthdays is a very common case. Last but not least, now people like to record the videos and photos to commemorate the unforgettable moments such as birthday parties, weddings, preparing marriage and the baby’s growing up in particular days. We need a tool to record the case above.

In our project, a new Android based application MultiCalendar is developed to help users to keep track of their work and life. Our aim is to enhance their work efficiency and convenience of their time. Basically, our MultiCalendar provides a functional function of consulting the date information. Moreover, it has 5 more functions.

**Add events**

Users can add their schedule in Calendar. When they select a particular day, they can input the context of the event, start time, and time and time the reminder of the event they create. More than one event can be created in one day, and these events can be edited and removed. When users check these events they have added in the calendar in a particular day, the information of events will be shown in the corresponding time slot.

**Add friends**

Users can input the information of their friends in the Calendar. The information includes the name, contact number, birthday and other information that users want to add. As a result, users can keep contact with their friends easily.

**Add media**

Some memorial photo and videos can be saved in the calendar in a special day and users can add some description of the photo and videos.

**Methodology**

**Goal:**

The aim of our project is to develop a user-friendly and multitasking calendar app so convenience the user. As mention before, our app is Android based.

**Implementation and Function:**

There are two major platforms in the mobile app market, the Android OS and iOS.

- In 2013, the global smartphone market share of Android and iOS is 85%. The iOS is the operating system of Apple phone while Android OS is used in many mobile manufactures such as Samsung, HTC, LG. We decide to develop the app on Android OS with the version of Android 2.2 above. Last two years, number of Android users is increasing. According to a research, market share of Android phone is 46% in 2013 while 70% in 2015.

<table>
<thead>
<tr>
<th>Programming language</th>
<th>Java</th>
<th>C++</th>
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<tbody>
<tr>
<td>Source code</td>
<td>Open source</td>
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<tr>
<td>Mobile company</td>
<td>Samsung, Sony, LG, HTC, etc.</td>
<td>Apple</td>
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**Implementation Phase**

**Stage 1:** Develop the basic Calendar view

**Stage 2:** Design all the features of the application

**Stage 3:** Develop classes that operation different functions

**Stage 4:** Develop the database layer using SQLite database

**Stage 5:** Debugging