MoodTracker App Functional Specifications

***Main***

The MoodTracker application is an application that allows a user to track daily moods. In addition, a memo can be saved to coincide with each daily mood. The mood can be selected on the main screen and the user may choose to also save the memo or leave the memo blank. At midnight each day the selected mood, and memo if applicable, will automatically be saved whether the application is in use or not. If no mood has been selected for that day, the application will automatically save a default blank mood and memo. The application will then be reset to showing the default great mood (yellow emoji).

There are three image buttons on the main screen. They are the *add button, pie chart button* and the *history button*.

***Add Button***

The add button allows the user to update the mood of the day and to save (optional) a memo to go along with the selected mood for the day. Once clicked, a pop up dialog prompts the user to “Type your memo here”. The user may then either select cancel to return to the main screen without saving any data or select confirm to save the selected mood and memo if applicable.

***History Button***

The history button takes the user to the History Activity screen where the moods from the past 7 days are presented. The moods are shown in order (top to bottom) from one week ago to yesterday. If a mood was saved for that day, the mood color is shown and the width of that day’s mood is presented in a corresponding width. If the user has also saved a memo for that day, then the message icon is shown to the right. Clicking on the message icon will produce a brief pop up toast that displays the memo. There is also a share option associated with each day’s mood.

***Share Button***

Sharing the daily mood with a friend via SMS(direct message/email, etc.) is implemented via a share icon that is found on the HistoryActivity screen. The user may select any day of the 7-day history to share. Upon clicking the share icon, the user will be directed to a selector pop up that allows the user to choose to whom and via which app to share the mood. The verbiage of the message reads as follows: “’[#of days] days ago my mood was [mood goes here].”

***SOUND FEATURE***

A sound feature was implemented on the Main Activity screen. When the user swipes either upward or downward on the emoji, the user will hear a chime sound.

***PIE CHART***

The pie chart was implemented on the PieChartActivity screen. The user can select the pie chart button from the MainActivity. This button brings up the PieChartActivity which presents the 7 days of moods in a round pie chart view. The color of each mood will present as 1/7th of the pie chart wheel and in the middle of the screen it is indicated that these are the moods of the past week. The title in the center reads “My Moods This Week”.