**Developer’s Guide**

The weekly to-do App is built with tkinter (list box, button, entry box) within Python. https://github.com/aningooo/ToDoApp\_HCI584

The source code is in week\_todo\_app.py, with the following functions/routines.

1. displayEvent(text, todo\_this\_week, day\_dict, day\_button): This routine displays events of selected day

INPUT:

text: indicate which day of the week

todo\_this\_week: the dictionary contains every weekday's

todo list

day\_dict: a one-item list to keep track of which weekday,

day\_dict will be updated to the selected day

(text) once the button of this day is clicked. it

will be used later for editing events

1. newEvent(day\_dict,todo\_this\_week):

This routine adds new event to selected weekday

INPUT:

day\_dict: a one-item list to keep track of which weekday,

day\_dict will be updated to the selected day

(text) once the button of this day is clicked. it

will be used later for editing events

todo\_this\_week: the dictionary contains every weekday's

todo list

1. getFromtime(this\_event):

This routine gets the starting time of the event from entry

1. deleteEvent(day\_dict,todo\_this\_week):

This routine deletes event from listbox and from todo\_this\_week

INPUT:

day\_dict: a one-item list to keep track of which weekday,

day\_dict will be updated to the selected day

(text) once the button of this day is clicked. it

will be used later for editing events

todo\_this\_week: the dictionary contains every weekday's

todo list

1. editEvent(day\_dict,todo\_this\_week):

This routine edits event from listbox and from todo\_this\_week

INPUT:

day\_dict: a one-item list to keep track of which weekday,

day\_dict will be updated to the selected day

(text) once the button of this day is clicked. it

will be used later for editing events

todo\_this\_week: the dictionary contains every weekday's

todo list

1. markEventDone(day\_dict,todo\_this\_week):

This routine marks event DONE from listbox and from todo\_this\_week

INPUT:

day\_dict: a one-item list to keep track of which weekday,

day\_dict will be updated to the selected day

(text) once the button of this day is clicked. it

will be used later for editing events

todo\_this\_week: the dictionary contains every weekday's

todo list

1. markEventNotDone(day\_dict,todo\_this\_week):

This routine marks event NoT DONE from listbox and from todo\_this\_week

INPUT:

day\_dict: a one-item list to keep track of which weekday,

day\_dict will be updated to the selected day

(text) once the button of this day is clicked. it

will be used later for editing events

todo\_this\_week: the dictionary contains every weekday's

todo list

A listbox with scrollbar is initialized, followed by inserting buttons for weekdays (MON, TUE, … ,SAT,SUN). After that, entry boxes for adding and editing events are inserted, along with buttons for adding, deleting, editing, and marking events are added.

The App will automatically order the events of each day according to staring times.

The App will automatically check whether the events have conflict of times, and show error messages/warnings if true.

Known issues:

The weekly todo list will be lost if the App is closed.

Future work:

1. A routine for saving the todo list to a local location must be added, and a routine to automatically load the todo list from the local location must be added, which will avoid the loss of data when the App is closed.
2. Optimize the source codes.

Ongoing development:

The App needs to be upgraded with flipping pages such that it has better user experience.