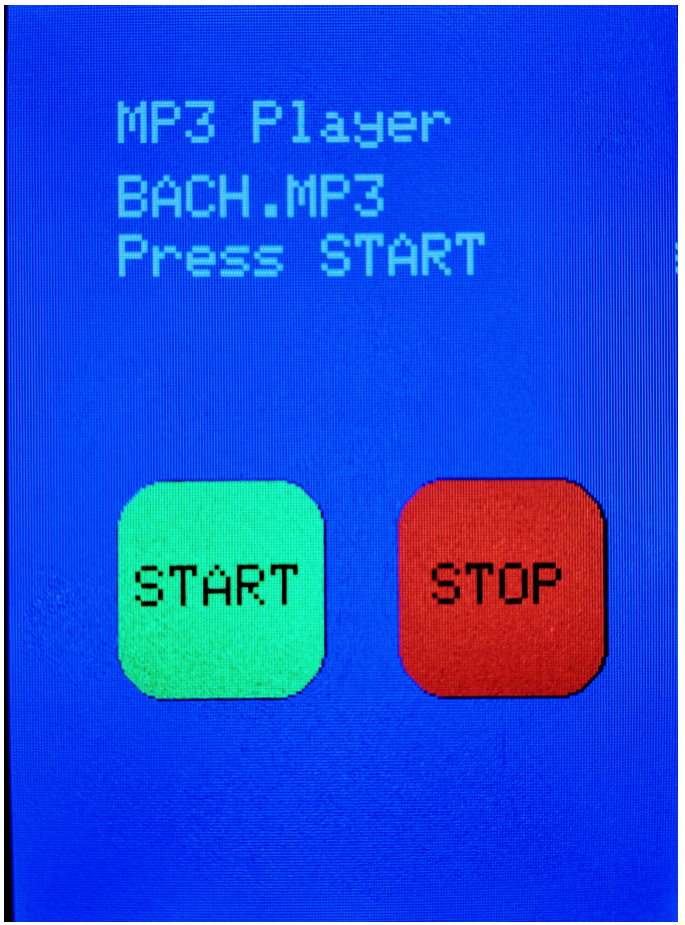
MP3 Player

4 Tasks

- Startup Task
- MP3 Task
- LCD Task
- SD Task



MP3 Task

- Waits for filename from SD Task
- Waits for START from LCD Task
- Plays MP3 data
  - Every second, update file time
  - Send new file decode time to LCD task
  - LCD task sends STOP if detected
- When file is done (or STOP detected), stop playing file. Go back to top.

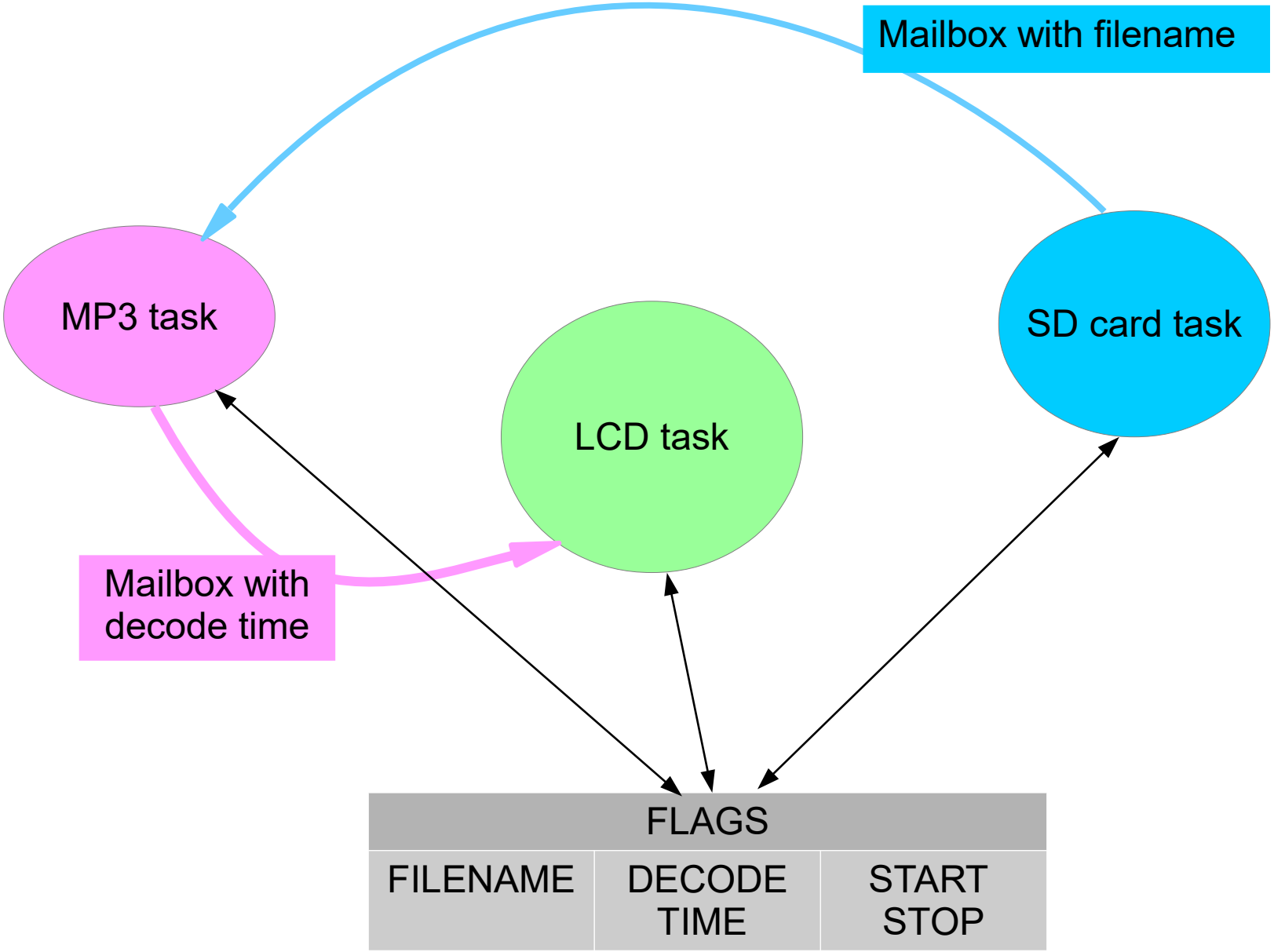
LCD Task

Draws initial screen

- Polls for touch on screen.
- When START button is pressed, set flag to get music playing.
- When STOP button is pressed, set flag to stop music playing.

SD card task

- Just opens SD card files and loops through them.
- I only have mp3 files on this SD card.
- No checking on file type, other than an empty filename.


Mailbox with filename
MP3 task
SD card task
LCD task
Mailbox with
decode time
FLAGS
FILENAME
DECODE
TIME
START
STOP