

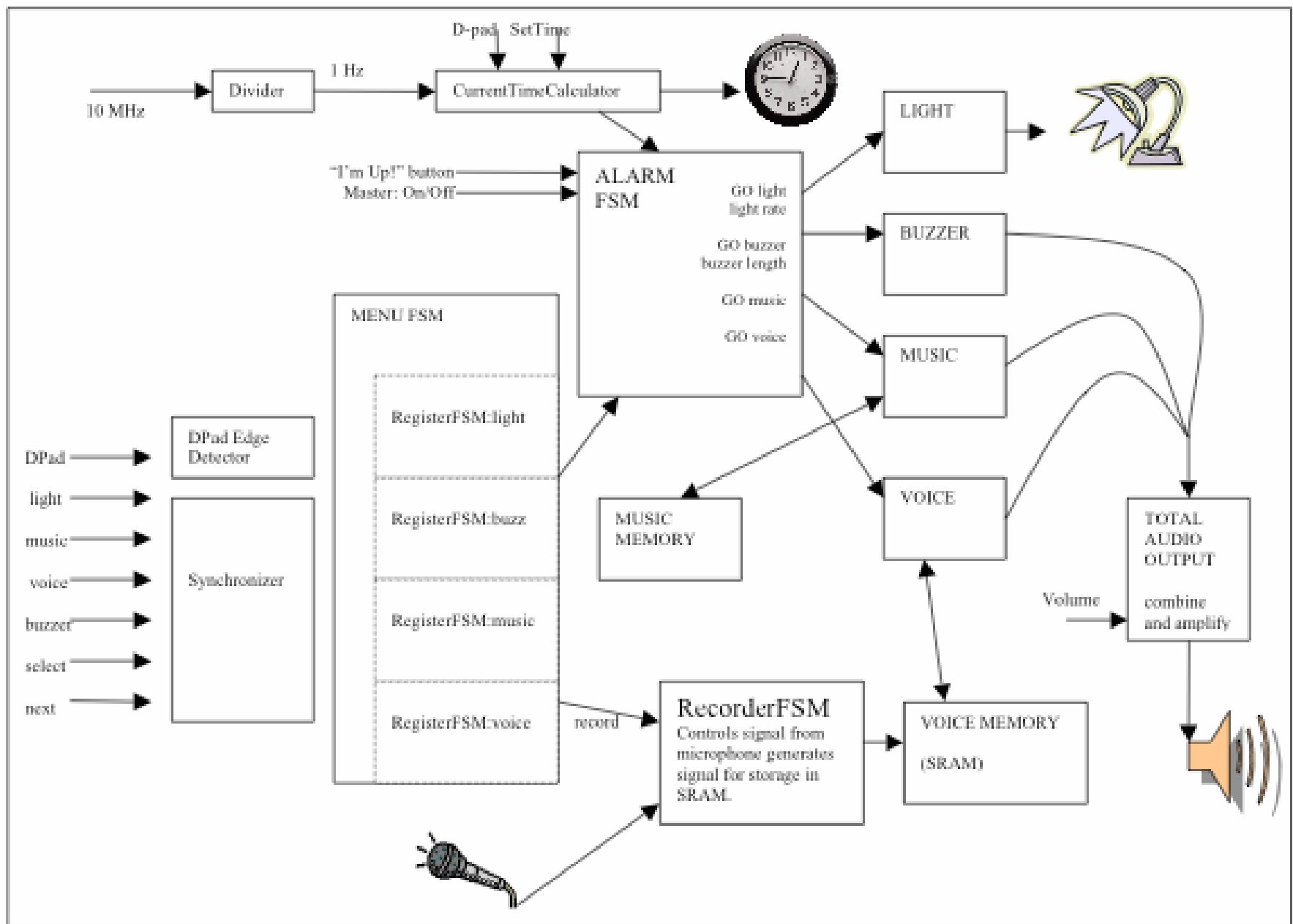
Wake Up Your Way Alarm Clock

6.111 Final Project

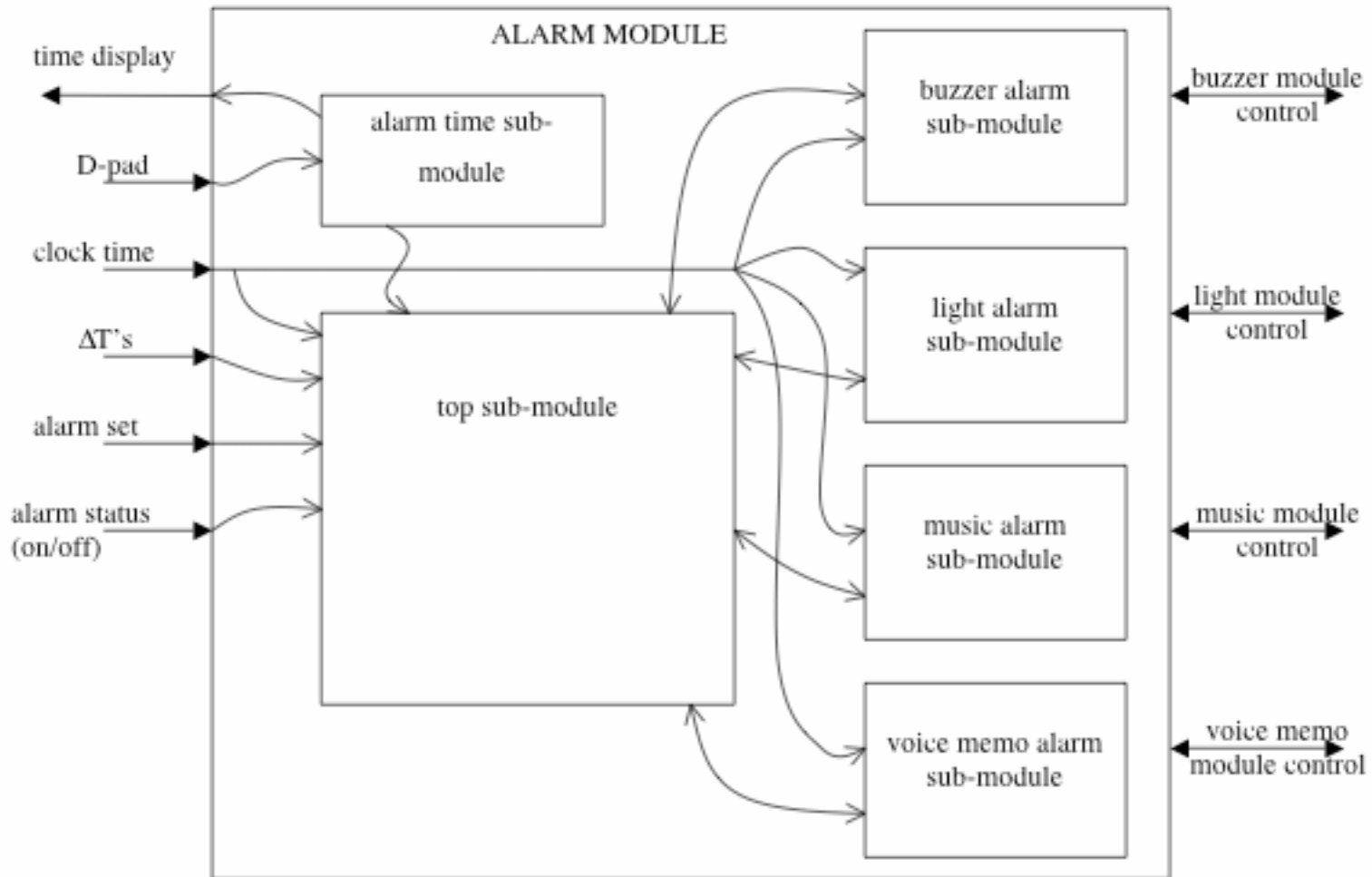
Eleanor Foltz

Jon Spurlock

- The problem with most alarm clocks:
 - Too abrupt!
 - Single environment variable (sound, either buzzer or music)
 - Promote bad ‘snoozing’ habits
- Goals of our project:
 - Make waking up a more gradual, pleasant experience
 - Use a combination of environment variables... sight and sound
 - ‘alarm’ should be a gradual build-up

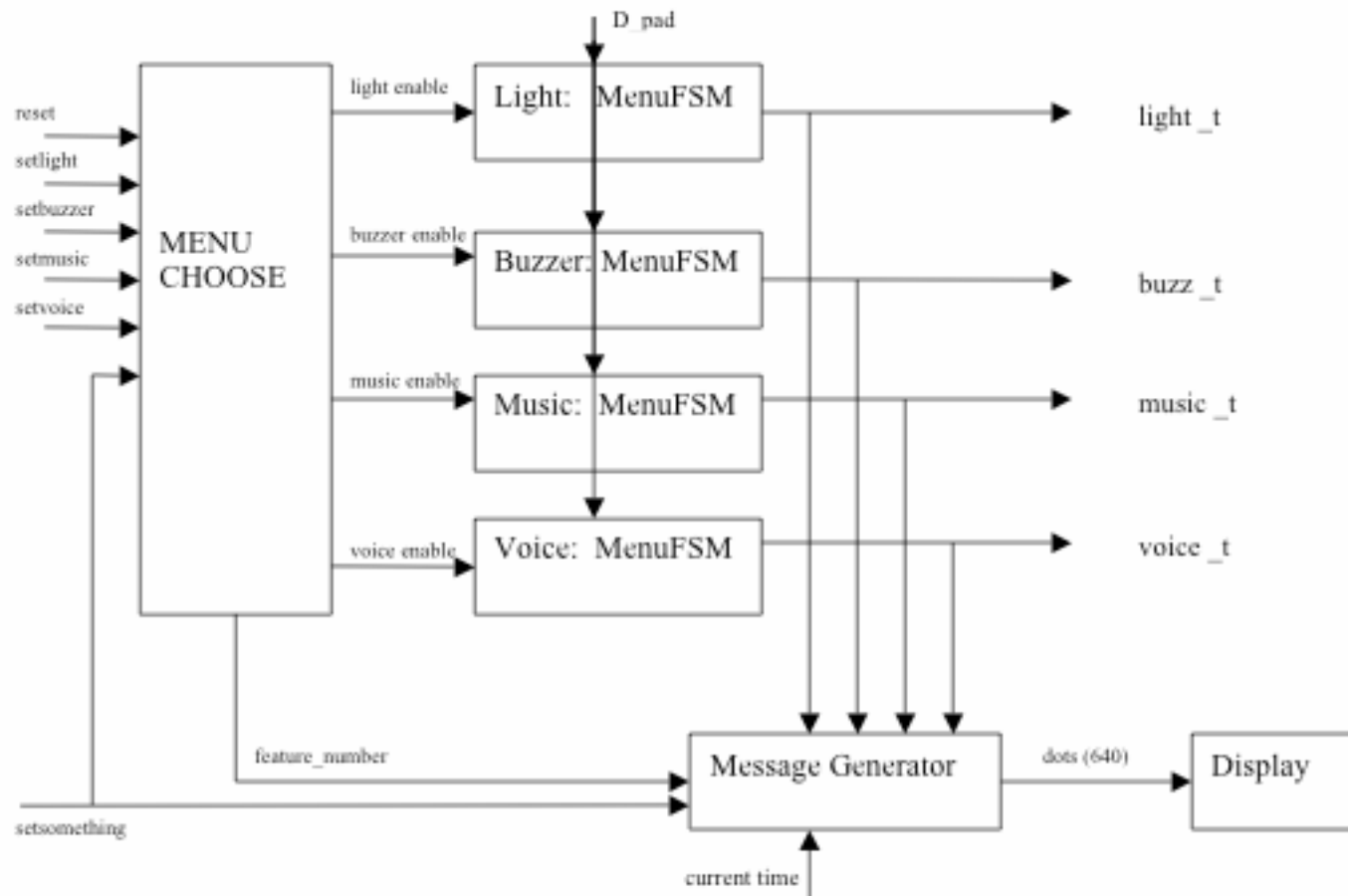


Alarm Module



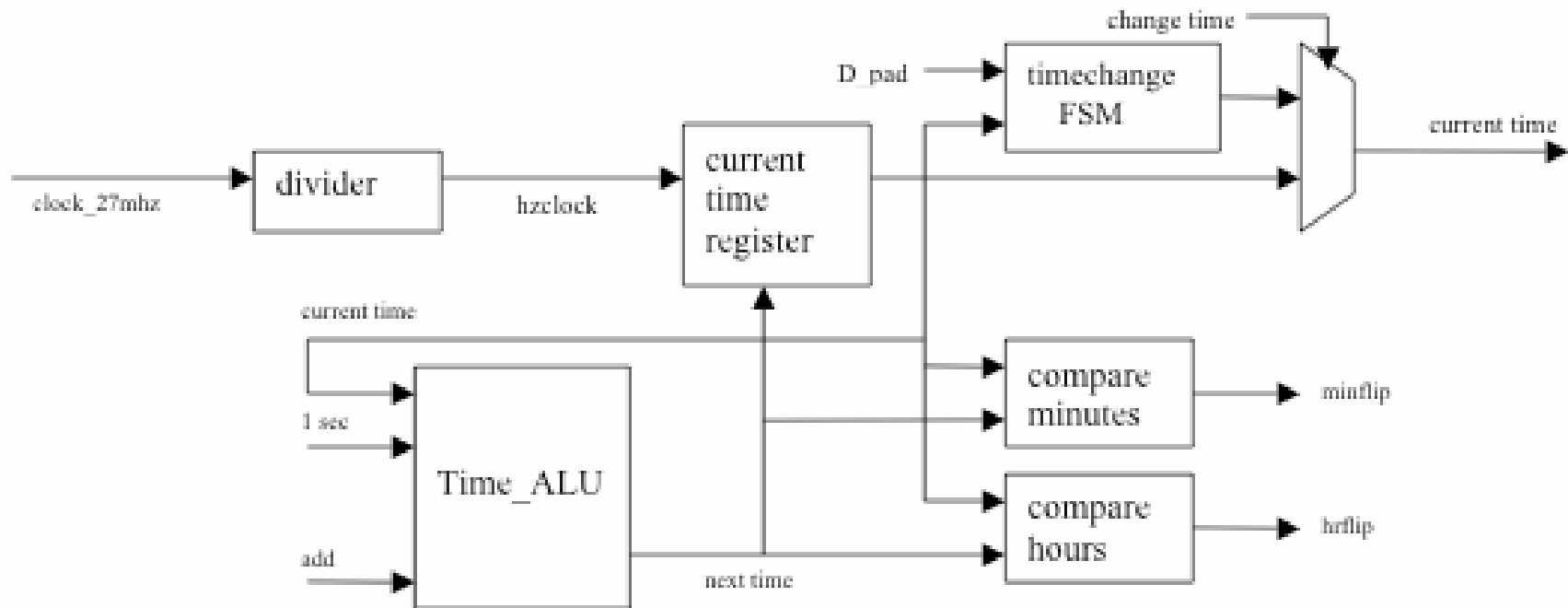
Menu Module

Menu Module, block diagram



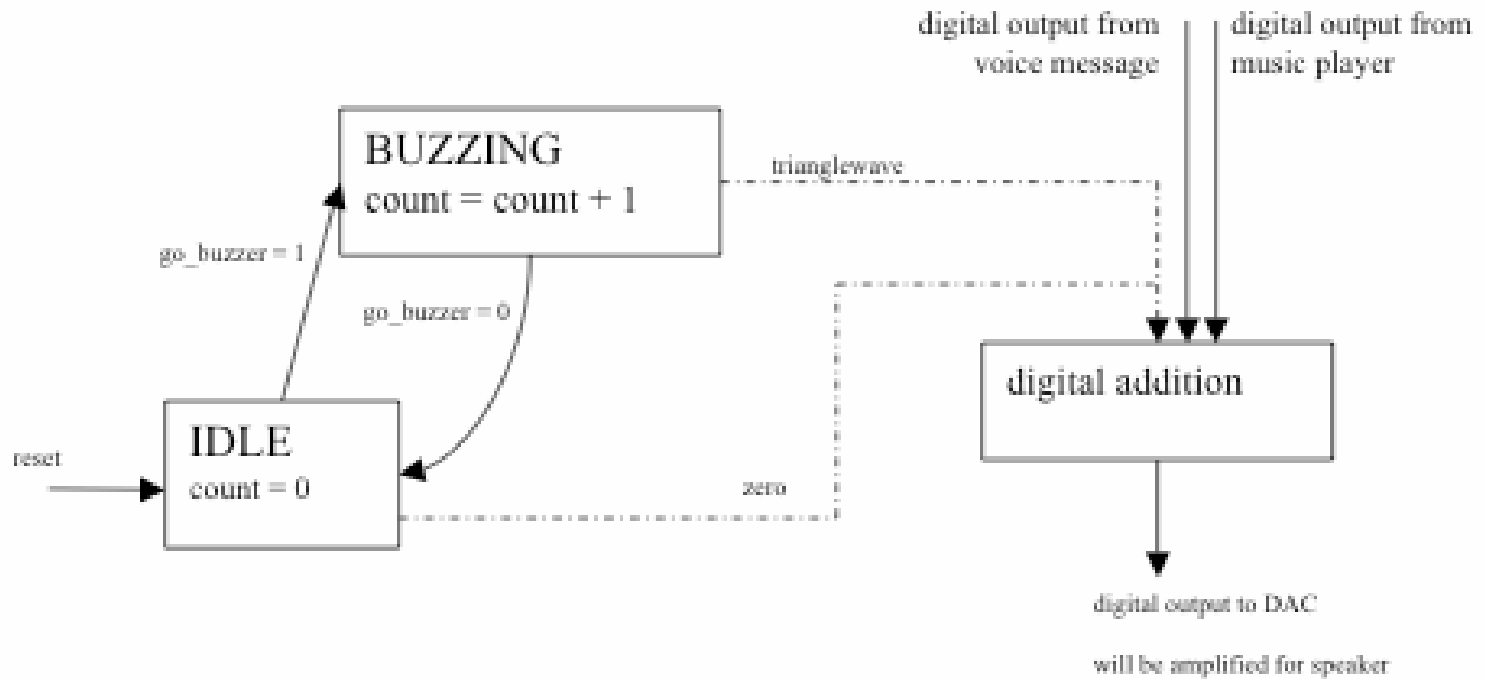
Clock Module

Clock Module, block diagram



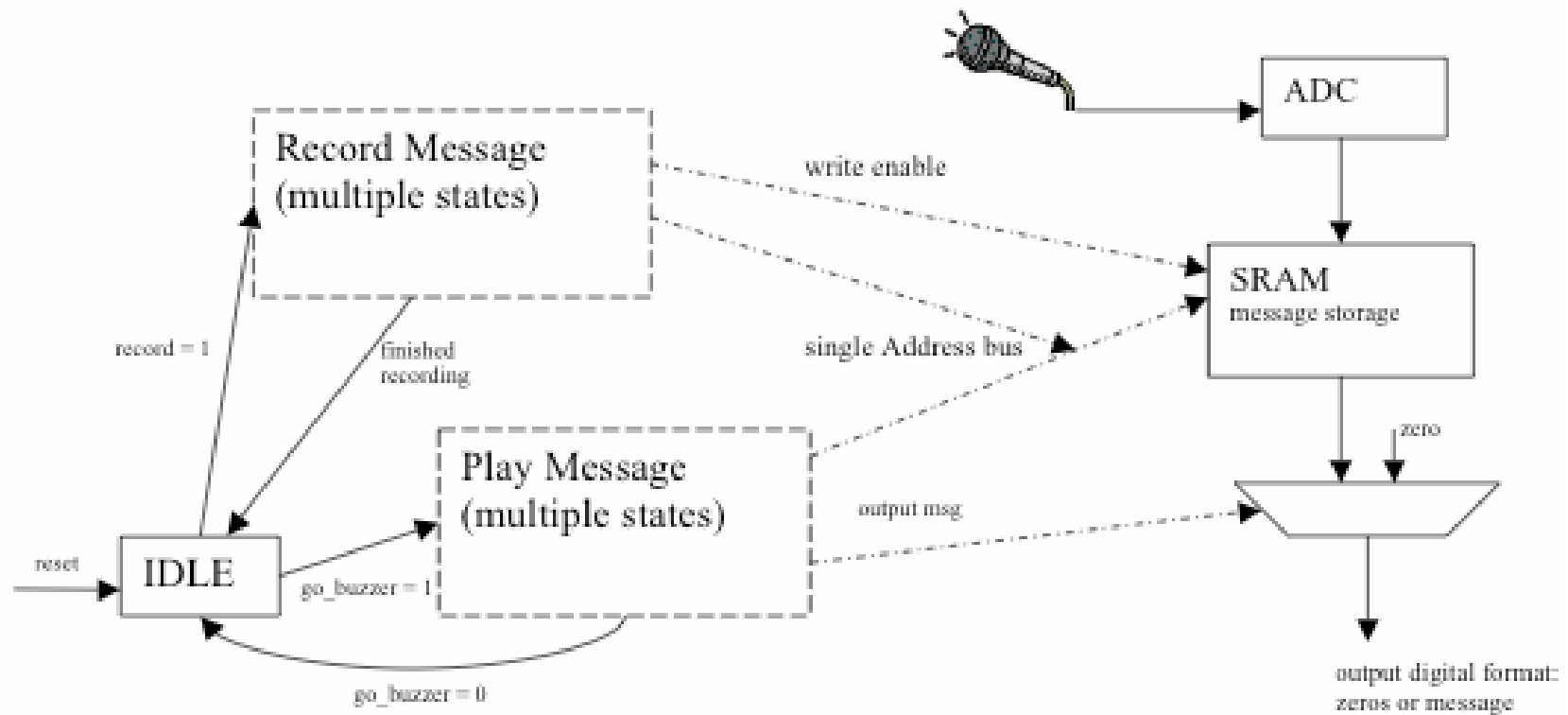
Buzzer Module

buzzer module & output format

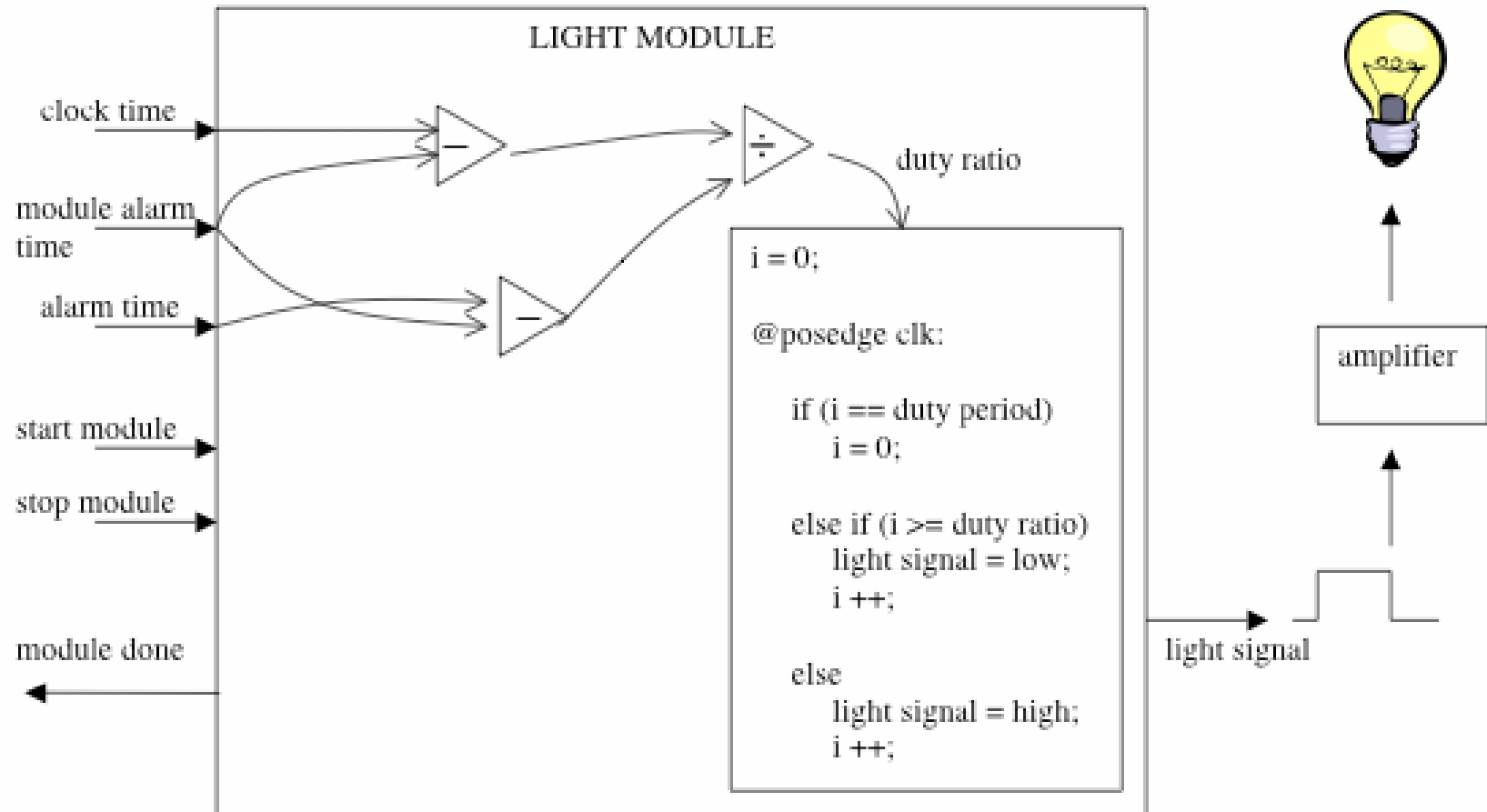


Voice Memo Module

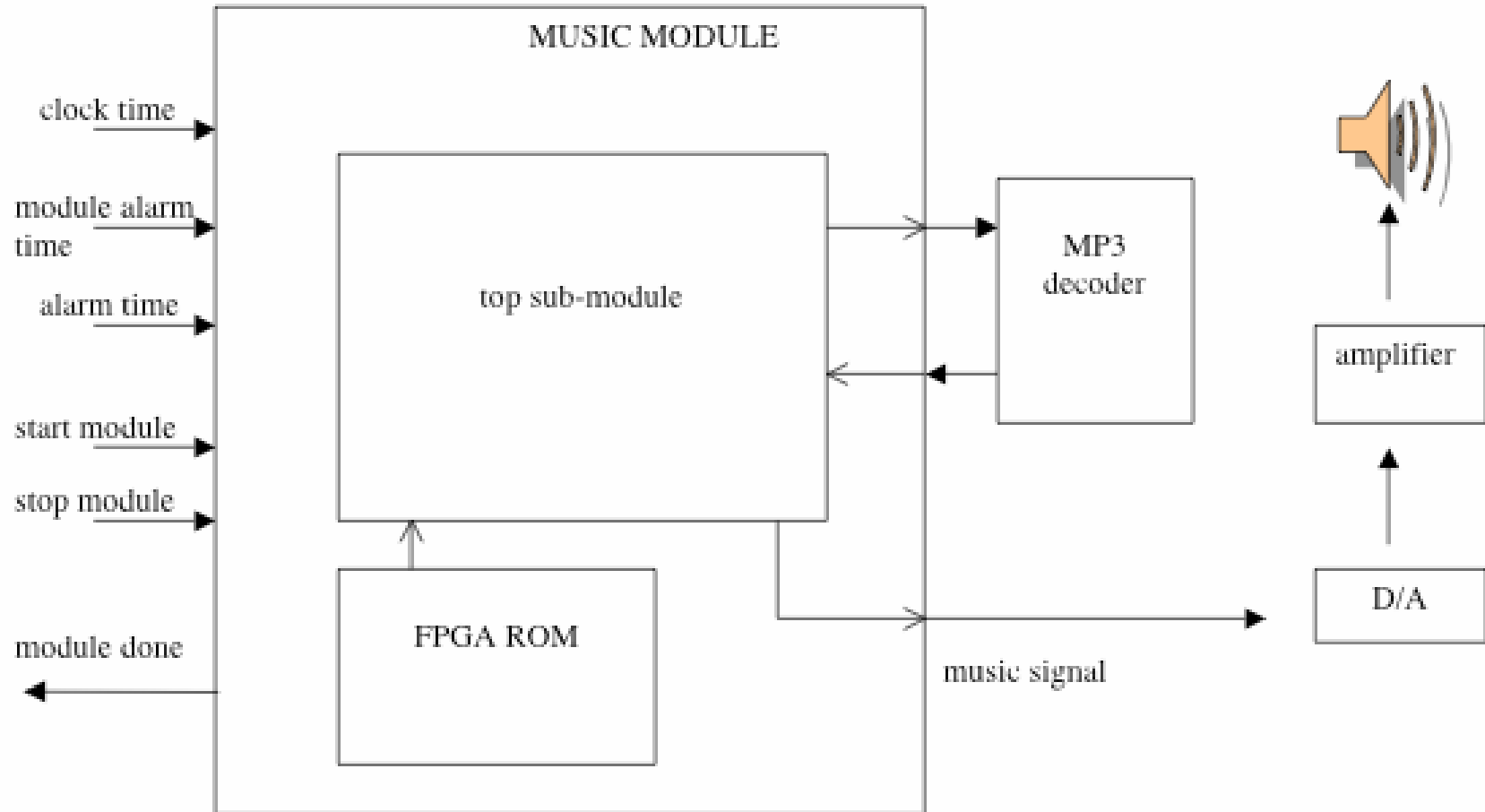
Voice System



Light Module



Music Module



If there's time...

- Read MP3's from a directory/file structure on a Flash card
- Provide fade-in/fade-out for individual audio sources to prevent overlap
- Add additional options for each alarm function
- Multiple alarms
- Gradually increasing rate of change for menu parameters

QUESTIONS?