

Requirement for Review - Bicycle Electronics

- R1. The unit shall display information to the bicycle user.
- R2. The display shall show time of day.
- R3. The display shall show mileage ridden.
- R4. The display shall show mph.
- R5. The user can "switch" the display between the three modes by pressing a button

Recorder notes from Review:

R1. Requirement is ambiguous. Does not explain what "information".

The unit shall have a "8 character display".
Sometimes don't get too detailed about display.
Factors: cost, more characters to be recorded.

R2. The time of the day in the format:
HH:MM:SS as a 24hr clock.

R3. Not specific. 'Unit' depending on place.
Since distance was reset

(2)

Major software functions (Architecture)

1. calc-speed: calculate speed of bike in appropriate units
2. display: display characters on LCD
3. tod: get correct time of day
4. charge-status: get the % of battery capacity and charging status
5. main: main function of device