

1. Turn on Radio

- a. Scope: software
- b. Level: User goal
- c. Primary actor: user
- d. Stakeholders: The user who wants to listen to the radio
- e. Preconditions: the clock is on but the radio is not
- f. Postconditions: The radio boots and plays the last played station.
- g. Main success scenario: The user presses the radio on/off toggle button. The radio turns on to the last played station.
- h. Extensions:
 - i. The radio is turned on by the alarm.
 - ii. The user turns off the radio and it continues to play.
 - iii. The user turns on the radio and it plays a different station than before.
- i. Special requirements:
 - i. The radio plays the same station as before.
 - ii. A default frequency if the radio has never been turned on.
- j. Technology and Data Variations:
 - i. Radio station frequency
 - ii. Volume level
 - iii. Am/Fm
- k. Frequency of Occurrence: Several times a day.

2. Set alarm 1

- a. Scope: software
- b. Level: User goal
- c. Primary actor: user
- d. Stakeholders: The user who wants to set an alarm
- e. Preconditions: The first alarm is set to an undesirable time.
- f. Postconditions: Alarm 1 is set to the time desired by the user.
- g. Main success scenario: The user changes the clock to the set alarm 1 mode. The user selects the desired time of day. User returns clock to normal mode.
- h. Extensions:
 - i. The time is not saved.
 - ii. The user does not change the mode back to normal.
 - iii. The time is saved but the alarm does not go off.
- i. Special requirements:
 - i. A default time that displays the first time the alarm is set.
 - ii. A default frequency if the radio has never been turned on.
- j. Technology and Data Variations:
 - i. Time, AM or PM
 - ii. A way to set the time
- k. Frequency of Occurrence: Once every few months.
- l. Issues:

- i. Is the alarm already set to on when the alarm time is changed, or is that set separately?