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3.1 External interfaces

Our system links itself directly to an external interface from a commercially available third-party bed occupancy detector. This detector will be able to tell our system whether or not the customer is in their bed. The communications protocol interface offered by the third-party system and that we determined and well it will offer and what features it will provide has yet to be determined and what features it will provide. This interface will be used when deciding if alarms and/or radio should be turned on to wake up or notify the customer that the clock has reached a specified time.

3.2 Functions

3.2.1 Add alarm

Use Case Name	Add alarm
XRef	
Trigger	The user presses be at alarm button
Precondition	The system displays the alarms management window which allows the customer to edit alarms.
Basic Path	1. the customer chooses what time they would like the alarm to be set off and what days they would like it to run. 2. the customer then selects what mode they would like the alarm to run in. modes include silent, calm, and wake up. 3. The customer chooses whether they would like an alarm tone

	or a specific radio station to come on. 4. When the customer has finished filling the form, the system will add this alarm to its set of alarms in the database. The alarm will be called when the specified time and date is reached.
Alternative Paths	None
Postcondition	The alarm has now been added to the clock and will run at specified time and date.
Exception Paths	At any time, the customer can choose to cancel adding alarm by moving to the bottom and selecting the cancel button. When the cancel button is pressed, the current window will be immediately escaped and no new alarms will be added to the database.
Other	None

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