	Boundary Objects	Entity Objects	Controllers		Legend		
Name	New Alarm Window	XML	Alarm Manager (Singleton)		Name	Data	Behaviors
Data			HashMap<String, Alarm> alarms ExecutionManager executionManager (singleton) StorageManager storageManager (singleton) UIManager uiManager (singleton) SoundManager soundManager (singleton) TimeManager (static import)				
Behaviors			isValidFutureDateTime(Date) isUniqueAlarmName(String) isAlarmRecurrent(AlarmDTO) isTextAlarm(AlarmDTO) isValidCellPhoneNumber(String) hasReminder(AlarmDTO) deleteAlarm(String) deleteAlarms() getAlarmInfoList() addAlarmToManage(AlarmDTO) updateAlarmToManage(AlarmDTO) alarmHasExecuted(String) reminderHasExecuted(String)				
Name	Main Application Window	Alarm	Time Manager (Static Class)				
Data		String alarmName Date date Recurrence alarmRecurrence Integer soundRecurrence String soundName String soundFileLocation String comments boolean isText boolean hasReminder Date reminderDate					
Behaviors		setAlarmName(String) getAlarmName() getDate() setDate(Date) setAlarmRecurrence(Recurrence) getAlarmRecurrence() setSoundRecurrence(Recurrence) getSoundRecurrence() setSoundName(String) getSoundName() setSoundFIleLocation() getSoundFileLocation() setComments(String) getComments() setIsText(boolean) getIsText() sethasReminder(boolean) getHasReminder() setReminderDate(Date) getReminderDate()	getCurrentTime()				
Name	Alarm List Window	Sound File DTO	Execution Manager (Singleton)				
Data		String soundName String soundFIleLocation Integer soundRecurrence	Deque<AlarmDTO> nextAlarmToExecute (Queue Implementation) Deque<ReminderDTO> nextReminderToExecute (Queue Implementation) AlarmManager alarmManager (Singleton) TextManager (Singleton) TimeManager (static import)				
Behaviors			registerAlarmToTrack(AlarmDTO) removeAlarmToTrack() removeAlarmToTrack(AlarmDTO) removeAllAlarmsToTrack() registerReminderToTrack(ReminderDTO) removeReminderToTrack() removeReminderToTrack(ReminderDTO) removeAllRemidnersToTrack() isTextAlarm() (private) isTextReminder() (private) checkTimeAndExecuteAlarm() (private) checkTimeAndExecuteReminder() (private)				

Name	Error Message Popup	AlarmDTO	Storage Manager (Singleton)				
Data		String alarmName Date date Recurrence alarmRecurrence Integer soundRecurrence String soundName String soundFileLocation String comments boolean isText boolean hasReminder Date reminderDate	Document xmlDoc				
Behaviors			getStoredAlarms() updateStoredAlarm(AlarmDTO) updateAllStoredAlarms(Set<AlarmDTO>) removeStoredAlarm(AlarmDTO) removeAllStoredAlarms(Set<AlarmDTO>)				
Name	Delete Alarm Popup	ReminderDTO	UI Manager (Singleton)				
Data		String forAlarmName Date reminderDate boolean isText	AlarmManager alarmManager (Singleton) TimManager (static import)				
Behaviors			displayNewAlarmWindow() displayEditAlarmWindow() displayMainApplicationWindow() displayAlarmListWindow() displayErrorMessagePopupWindow() displayDeleteAlarmPopupWindow() displayAllAlarmsPopupWindow() displayJavaClockWindow() displayAlarmExecutionWindow() displayReminderPopup()				
Name	Delete All Alarms Popup		Sound Manager (Singleton)				
Data			HashMap<String, SoundFileDTO> sound				
Behaviors			setSound(String alarmName, soundFileDTO) isSoundFound(String location) isSoundValid(String location) playSound(String alarmName) stopPlayingAllSounds() removeSound(String alarmName) removeAllSoundsExceptDefault()				
Name	Java Clock Window		Text Manager (Singleton)				
Data							
Behaviors			executeTextAlarm(AlarmDTO) executeTextReminder(ReminderDTO)				
Name	Alarm Execution Window						
Data							
Behaviors							
Name	Reminder Popup						
Data							
Behaviors							
Name	Edit Alarm Window						
Data							
Behaviors							