Use Case Diagrams:

Actors:
Primary:
- Residents
- Administrator

Secondary:
- Resident Database
- Events Database
- Messaging Database

Use Case	1. Resident_Messaging
Description	Resident wants to message another resident
Actors	Resident, Messaging Database
Assumptions	Resident knows the first and last name of the Resident they want to message
Steps	1. Logs into system 2. Select the messaging icon 3. Select resident to message 4. Type out a message 5. Send the message
Variations	
Non-functional	Performance Mean: A message sent to another resident, should be sent to the other resident within 1 second
Issues	Should there be other mediums of messages a resident can send to another resident? (ie. images, audio, video, etc.)

Use Case	2. Resident_Check_Event_Schedule
Description	Resident wants to check upcoming events for a specific time period
Actors	Resident, Events Database
Assumptions	Resident knows the time period they want to check upcoming events for

Steps	1. Resident logs into system 2. Resident selects Event Calendar 3. Resident selects time period (day, week, month) to check events for
Variations	
Non-functional	Performance Mean: Events should be acquired from the Database and displayed to the user in under 3 seconds
Issues	How can we create a simple and intuitive interface to allow seniors to effectively navigate the upcoming events for a certain time period?

Use Case	3. Add_Meals
Description	Admin wants to add meal events
Actors	Admin, Events Database
Assumptions	Admin knows what meals are being offered and has correct permissions

Steps	1. Admin logs into system
	2. Admin chooses Menu option on home screen
	3. REPEAT
	   a. Admin selects day they want to update
	   b. Admin selects which meal of the day to update
	   c. Admin adds up to 3 different options for that meal
	  UNTIL Admin has entered all menu options.
	4. Admin saves menu
	5. Admin logs out of system

Variations	**#3c**: Admin adds menu options **or** Admin updates existing options **or** Admin deletes an existing option
Non-functional	
Issues	How do residents get notified when a menu option is updated? When is the deadline to finalize meal options before the meal is

	served?

Use Case	4. Update_Schedule
Description	Admin wants to update schedule
Actors	Admin, Events Database
Assumptions	Admin has the correct and updated schedule for the upcoming events

Steps	1. Admin logs on to system
	2. Admin selects calendar button on home screen
	3. Admin Chooses to add events to calendar
	4. REPEAT:
	   a. Admin Selects which day they want to update
	   b. Admin add events to that calendar day
	  UNTIL admin has no more days they need to update
	5. Admin Saves the Changes
	6. Admin Logs out of the system

Variations	**#4b**: Admin can add event **or** Admin can update an existing event **or** Admin deletes existing event
Non-functional	
Issues	How do the residents get notified of an event being changed? How late can an event get updated before it is scheduled to occur?

Use Case	5. Create_Resident
Description	The administrator wants to add a resident to the system
Actors	Admin
Assumptions	Admin knows information for the resident they want to add to the system (or which resident they want to remove)

Steps	1. Admin logs on to system 2. Admin selects User Admin button on home screen 3. Admin clicks the manage resident button 4. Admin clicks the Add Resident Button 5. Admin adds a new resident 6. Admin presses "confirm" button 7. Admin saves the changes 8. Admin logs out of the system
Variations	**#4 and #5**: Admin can add a resident **or** Admin user
Non-functional	
Issues	What information should an admin have to enter to register a resident?

Use Case	6. Delete_Resident
Description	The administrator wants to delete a resident from the system
Actors	Admin
Assumptions	Admin knows information for the resident they want to add to the system (or which resident they want to remove)
Steps	1. Admin logs on to system 2. Admin selects User Admin button on home screen 3. Admin clicks the manage resident button 4. Admin clicks the delete Resident Button 5. Admin selects existing Resident 6. Admin presses "confirm" button 7. Admin saves the changes 8. Admin logs out of the system
Variations	**#4 and #5**: Admin can delete a resident **or** admin
Non-functional	
Issues	What information should an admin have to enter to register a resident?

Use Case	7. Administrator_Announcement
Description	Administrator wants to send an announcement/notification to all residents
Actors	Admin, Resident, Messaging Database
Assumptions	Admin has an announcement to broadcast and the system is on
Steps	1. Admin logs into the system 2. Admin selects the Send Announcement Button 3. Admin inputs the announcement text 4. Admin selects Send 5. Admin confirms they want to send 6. System sends the announcement to all residents
Variations	4. Admin selects Cancel
Non-functional	None
Issues	Should the admin be able to target specific users?