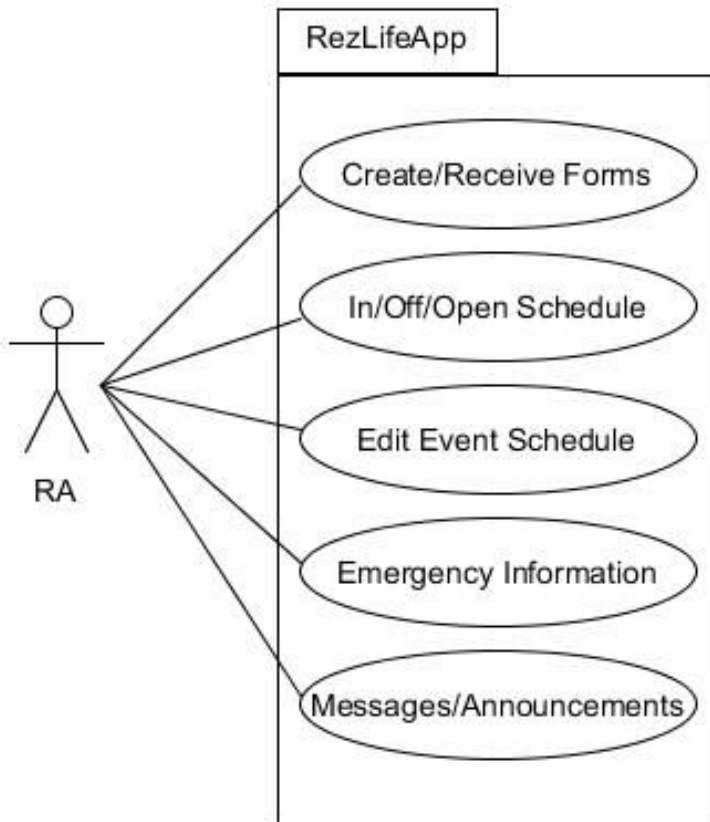


## Project Report #1: Resident Life App for RAs

### Use Case Diagram:



### User Requirements

#### 1. Forms:

- The RA can create a form, such as a Check In/Out or Work Order form.
  - The system verifies that the user is an active RA and allows the RA to create a form, then adds the form to the website, but only the RA can see it.
- The RA can specify which Residents can use the forms or select the entire floor.
  - The system verifies that the Residents are on the RA's floor. If they are or the RA selected the entire floor, the system grants access to the Residents.
  - The system notifies the Residents that there is a new form available.

- The RA can receive filled out forms from Residents.
  - The system notifies the RA when a form by one of their Residents is submitted and gives the RA access to the Resident's responses.
- The RA can search for specific Residents to find their forms.
  - The system verifies that the students are on the RA's floor and then displays all form for the desired Student.
- The RA can send completed Resident forms to Administrators.
  - The system verifies that the Administrator is valid, then notifies the selected Administrator and gives the Administrator access to the Resident's responses.
- Example Work Order Form:

### Work Order Request Form

Name:

Room #:

Floor:

Work Order Request:

## **2. IN/OPEN/OFF schedule:**

- The RA can view the In/Open/Off schedule for all RAs and Administrators.
  - The system verifies that the user is an active RA and then displays the current week's schedule as a calendar.
- The RA can request changes to their own In/Open/Off schedule.
  - The system verifies that the user is an active RA and that they are only editing their own schedule.
  - The system notifies an Administrator of the requested change. If the Administrator verifies it, the system updates the In/Open/Off schedule.
  - The system notifies all RAs and Administrators that the schedule has been updated.
- The RA can search for past or future In/Open/Off schedules.
  - The system verifies that the user is an active RA in the desired week, then displays the schedule for that week.

- Example In/Open/Off schedule for one week:

	Mar 13 MON	Mar 14 TUES	Mar 15 WED	Mar 16 THUR	Mar 17 FRI	Mar 18 SAT	Mar 19 SUN
CHLOE 1 SOUTH			IN				IN
YOUNG-AEH 2 SOUTH	IN						IN
SADIE 3 SOUTH				IN		IN	
BRIA 2 EAST					IN		IN
CAMILLE 3 EAST		IN					IN
TIMotius T2				IN	IN		
ANDREW T3			IN				IN
PRESTON T4	IN						IN

### 3. Event schedule:

- The RA can view the calendar schedule.
  - The database contains a scheduling system.
  - The GUI looks like a calendar.
- The RA can create and edits events that appear in the calendar.
  - The system verifies that the user is an active RA, and only users who have the permissions of RA or higher can edit.
  - The RA can choose which students can see what events. The system keeps track of which users have what attributes.
  - Emails are sent to the students informing them that event is going to occur.
- The Calendar can be exported and imported into Google Calendar.
  - The data is translatable into iCal or CSV format.

### 4. Information

- The RA can view a student's emergency contact numbers.
  - These numbers are student-given contacts (family, friends, etc.) on who to call if an accident or incident should befall upon the student.
- The RA can view a student's personal information.
  - This information includes Student ID, floor/room number and the associated roommate.
- The RA will have the ability to edit this information.
  - Option to edit should be placed at the upper right portion of the web page.

- Every RA and the administrator will be able to access this information by system verification.

## **5. Messages/Announcements**

- The RA will be able to send notifications to the residents on his/her floor.
  - The notifications will either be sent through SMS or E-Mail notification.
  - Only students on that floor can see the messages and notifications.
  - The RA can select different levels of urgency for the message.