

# Room Service

## Software Requirements Specification

### CEN 3031, Fall, 2018

#### Modification history:

Version	Date	Who	Comment
v1.0	10/09/18	All Members	Initial version creating during group meeting.
v2.0	12/04/18	Ken Orsini	Removed and altered some use cases Removed requirements 3-5, 12, 16, 19-20

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## SECTION 1: Introduction

### Software to be Produced:

The application will allow account creation for both students and administrators to service housing needs. Students can fill out a preference form allowing them to be matched with their best suitable roommate(s) and housing location, on or off-campus. Students will also be able to request maintenance at their residence from a set list of options, view payment history, and access relevant information regarding events and facilities provided by the residence administration. Administrators will be able to provide information about events and view information pertaining to any of their current residences.

### Definitions, Acronyms, and Abbreviations:

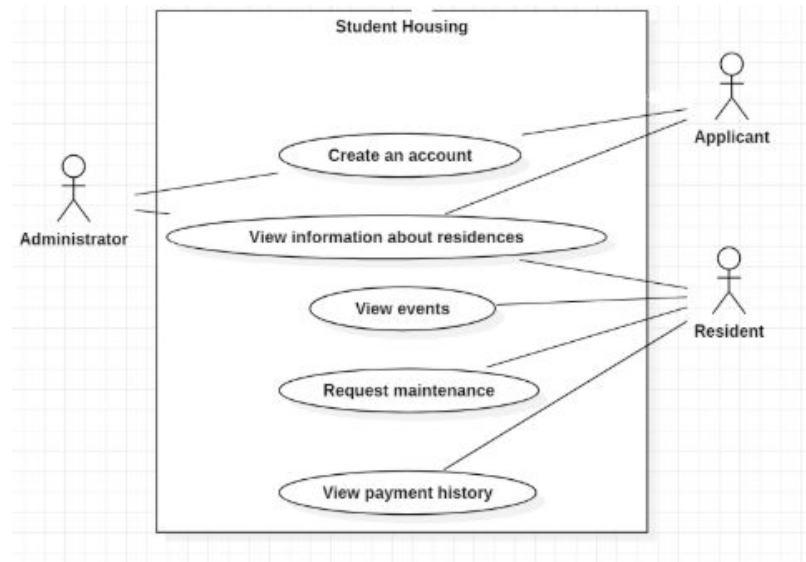
- None

## SECTION 2: Product Overview

### Assumptions:

- Users will use the application on a Windows 10 PC.

### Use Case Diagram:



### Use Case Descriptions:

The *Create an account* use case

- Applicants will be able to create accounts. Administrators accounts may be created by other administrator's.

The *View information about residences* use case

- Applicants will be able to view information about different residences, in reference to payments, events, etc. The information will be supplied by the administrator of that residence from their account.

The *View events* use case

- Residents will be able to view events for different residences supplied by the administrators of those residences.

The *Request maintenance* use case

- Residents will be able to request maintenance for their housing unit through the program. Administrators will be able to view these requests.

The *View payment history* use case

- Residents will be able to view their past payments through the program.

### SECTION 3: Specific Requirements

<b>No: 1</b>
<b>Statement:</b> The system shall offer account creation for applicants to access information regarding housing.
<b>No: 2</b>
<b>Statement:</b> The system shall be able to show information about nearby events.
<b>No: 3</b>
<b>Statement:</b> The system shall allow residents to submit maintenance requests.
<b>No: 4</b>
<b>Statement:</b> The system shall show user payment history.
<b>No: 5</b>
<b>Statement:</b> The system shall allow users to change their payment methods.
<b>No: 6</b>
<b>Statement:</b> The system shall allow administrators to be able to view resident payments.
<b>No: 7</b>
<b>Statement:</b> The system shall allow administrators to view all resident maintenance requests.
<b>No: 8</b>
<b>Statement:</b> The system shall offer account creation for administrators to submit information regarding housing.
<b>No: 9</b>
<b>Statement:</b> The system shall allow administrators to post events that their organization is hosting.
<b>No: 10</b>
<b>Statement:</b> The system shall store files regarding the resident's lease.
<b>No: 11</b>
<b>Statement:</b> The system shall prompt users for login information upon startup.
<b>No: 12</b>
<b>Statement:</b> The system shall allow users to submit an application if no login information is entered.
<b>No: 13</b>
<b>Statement:</b> The system shall be able to handle customer transactions in the payment process.
<b>No: 14</b>
<b>Statement:</b> The system shall store account login details within text files.
<b>No: 15</b>
<b>Statement:</b> The system shall store event information within text files.
<b>No: 16</b>
<b>Statement:</b> The system shall store payment information within text files.
<b>No: 17</b>
<b>Statement:</b> The system shall allow leases to be uploaded as a pdf file.
<b>No: 18</b>
<b>Statement:</b> The system shall have a refresh button available on payment, event, and resident screens.
<b>No: 19</b>
<b>Statement:</b> Students shall be able to input the name of their building upon creating an account.
<b>No: 20</b>
<b>Statement:</b> The login screen shall display an error message if invalid credentials are entered.

Template created by G. Walton ([GWalton@mail.ucf.edu](mailto:GWalton@mail.ucf.edu)) on Aug 30, 1999 and last updated Aug 15, 2000;  
updated by A. Koufakou, Aug 2014

Last modified by all group members on 10/09/18.

Last modified by Ken Orsini on 12/04/18.