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.

Team Name: The Matchmakers
Team Members:
● Daniel Bailey, dpbailey4801@eagle.fgcu.edu
● Eric Hoffman, emhoffman2584@eagle.fgcu.edu
● Jacques Louis, Jjlouis7213@eagle.fgcu.edu
● Daniel Montoya, dmontoya7434@eagle.fgcu.edu
● Kenneth Orsini, ktorsini8760@eagle.fgcu.edu

Contents of this Document

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.

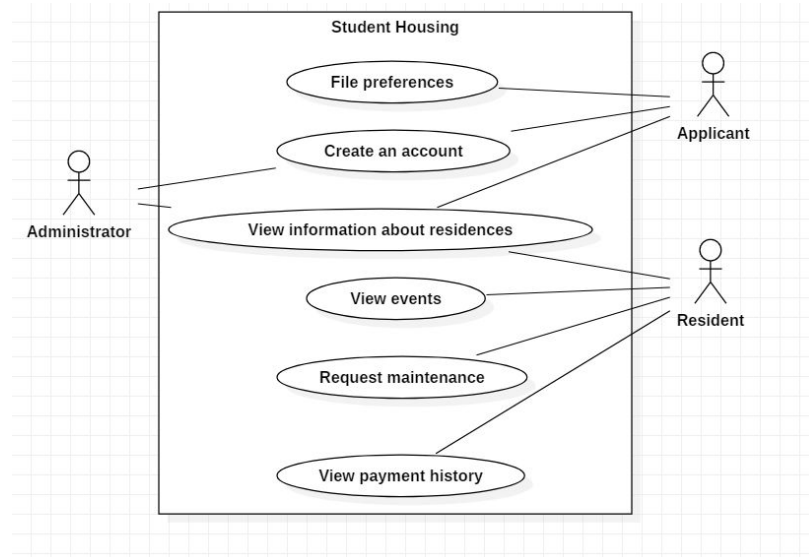Definitions, Acronyms, and Abbreviations:
● None

SECTION 2: Product Overview

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

Use Case Diagram:

Use Case Descriptions:

The *File preferences* use case
- The applicant will fill out a form to find their preferences for different residences listed by administrators, and potential roommates who are other resident users.

The *Create an account* use case
- Applicants and administrators will be able to create accounts relative to their role. Both account creations will have separate screens with different required information. An applicant's account will become a resident account once the applicant has signed to a residence.

The *View information about residences* use case
- Applicants and residents will be able to view information about different residences. 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 and assign tasks to their employees accordingly.

The *View payment history* use case
- Residents will be able to view their past payments through the program.

SECTION 3: Specific Requirements

No: 1
Statement: The system shall offer account creation for applicants to access information regarding housing.
No: 2
Statement: The system shall be able to find housing locations based on user input location.
No: 3
Statement: The system shall have a survey or form to get user preferences and living style.
No: 4
Statement: The system shall match users with housing that matches their survey results.
No: 5
Statement: The system shall be able to show information about nearby events.
No: 6
Statement: The system shall allow residents to submit maintenance requests.
No: 7
Statement: The system shall show user payment history.
No: 8
Statement: The system shall allow users to change their payment methods.
No: 9
Statement: The system shall allow administrators to be able to view resident payments.
No: 10
Statement: The system shall allow administrators to view all resident maintenance requests.
No: 11
Statement: The system shall allow administrators to view survey results and match applicants together.
No: 12
Statement: The system shall offer account creation for administrators to submit information regarding housing.
No: 13
Statement: The system shall allow administrators to post events that their organization is hosting.
No: 14
Statement: The system shall store files regarding the resident's lease.
No: 15
Statement: The system shall provide asynchronous messaging between residents and administrators.
No: 16
Statement: The system shall prompt users for login information upon startup.
No: 17
Statement: The system shall allow users to submit an application if no login information is entered.
No: 18
Statement: The system shall be able to handle customer transactions in the payment process.
No: 19
Statement: The system shall allow customers to give feedback after maintenance has been finished
No: 20
Statement: The system shall display a notification or message that the payment was processed

Template created by G. Walton (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.