

User Guide

RoomMate

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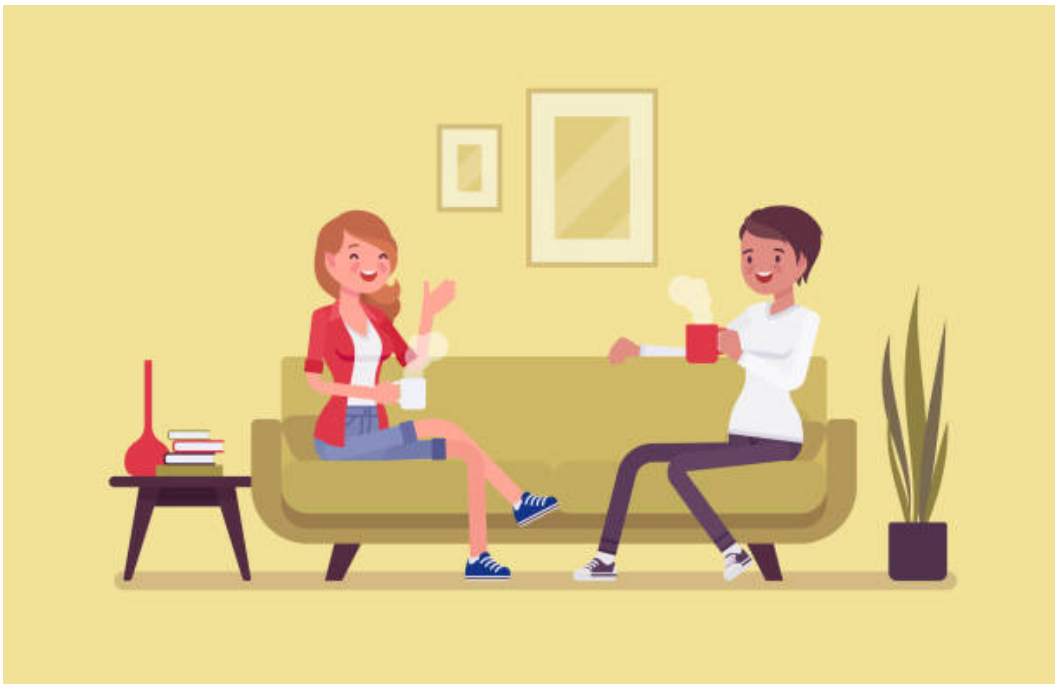
Application Purpose

Problem -

At any boarding school or college, assigning roommates is a complex, difficult, and often tedious process. A multitude of different backgrounds, likings, and personalities makes accurate room assignment very difficult for residential administration. Namely, when gathering student preference information on survey forms, administration often has a hard time consolidating data and creating the most optimal roommate pairings in terms of similar preferences and commonalities.

RoomMate's solution -

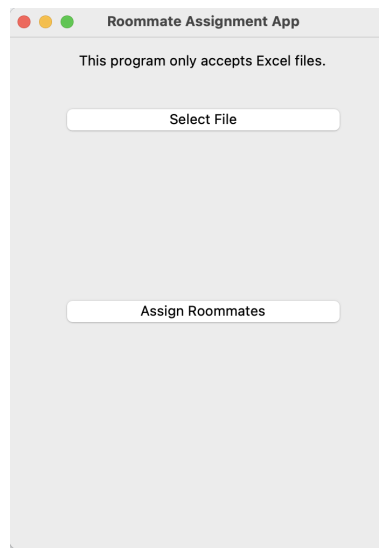
Utilizing a program that is able to take an excel file of selected personal attributes (with a specified layout and given preference options), RoomMate allows for an accurate selection of roommate pairings based on which two people share the most common preferences.



How to Use : Opening the Application

1) System Requirements : RoomMate solely uses MacOS and runs on Macintosh computers. MacOS must be Ventura 13 or higher.

2) Installation Process: The zip file you received contained both the RoomMate user guide and the application. There is no further installation needed for the application. Simply locate on your Desktop and run. It should open as follows :



2a) If the application does not open due to Mac malicious malware verification, you need to manually open the application. Locate the application on your Finder. Right-click on the application and select Open. This will override the Apple security systems with one quick and easy step. Once this process is completed once, the error message will not appear any longer.

How to Use : File Creation/Selection

- RoomMate will only accept files that end in (.xlsx)
- This application is optimized for an exported data sheet from a multiple choice form so the answers will stay consistent throughout
- Files will need to follow a specific layout with 10 preferences (user can choose) and names
- Preferences can be changed from the default preferences
- Commonly used Preferences and their meanings :
 - Loud/ Quiet - If you play loud music, play an instrument, and often tend to speak and act loudly, choose loud. Opposite, choose quiet.
 - Sleep Early/ Sleep Late - If you sleep at 10:30 PM or earlier, you are considered an early sleeper
 - People/ No people - Refers to if you like many individuals in your dorm
 - Early Bird/ Sleeper - Refers to if you wake up early or not. Early Birds tend to wake up anytime before 7.
 - Social/Antisocial - Refers to people that love being in social situations or do not
 - Messy/Clean - Messy refers to people who do not mind their room being in a disorganized and disorderly state
 - Gay/Straight - Refers to individuals' sexuality.
 - Music/ No music - Music refers to an individual who likes playing music in their dorm (instrument or speaker)
 - Responsible/Irresponsible - Someone who identifies as responsible is someone that follows most positive categories. A responsible person takes care of business and cares deeply about their roommate being a type A personality
 - Mature/ Immature - Subjective. Mature refers to a student who acts as if they are a grown man. (often are boring and no fun)
- A file template can be accessed at :
https://docs.google.com/spreadsheets/d/1CLOivpy7rsuBZWIEB_wUodtNvSr7n1K7x13ff_pYojs/edit?usp=sharing

Empty Template :

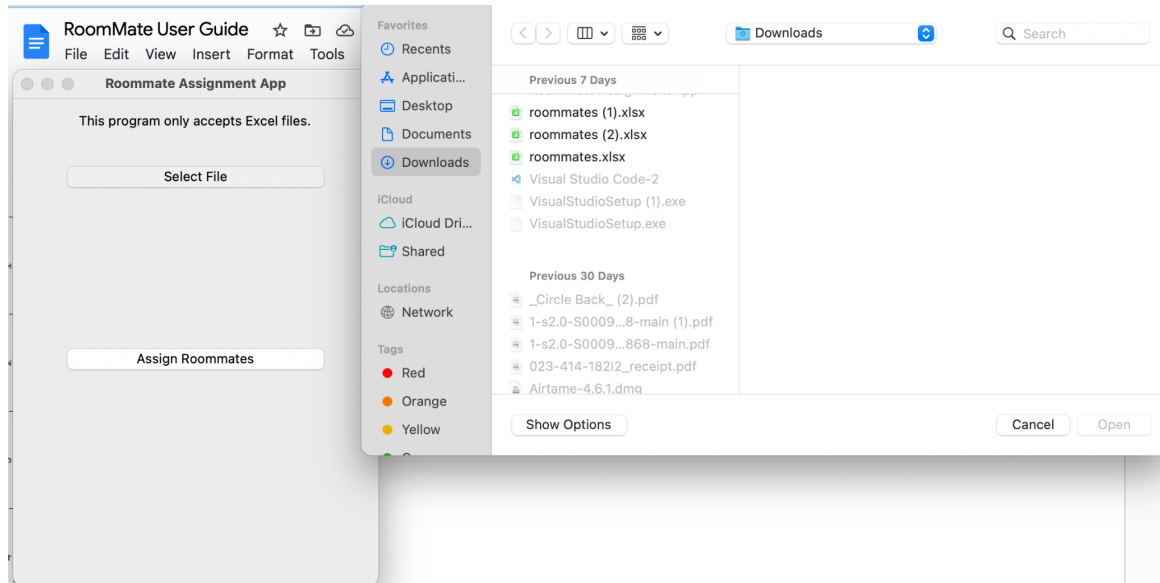
	A	B	C	D	E	F	G	H	I	J	K
1	Names	Preference 1	Preference 2	Preference 3	Preference 4	Preference 5	Preference 6	Preference 7	Preference 8	Preference 9	Preference 10
2		▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
3		▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
4		▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
5		▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
6		▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
7		▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
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Filled example :

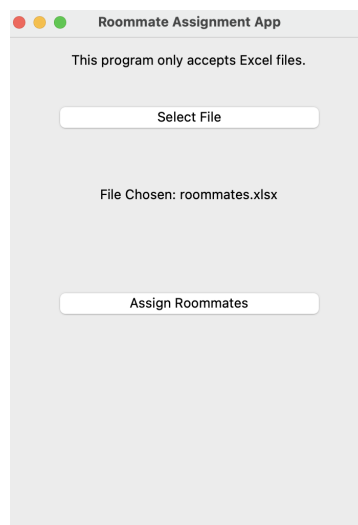
Names	Preferences 1	Preferences 2	Preferences 3	Preferences 4	Preferences 5	Preferences 6	Preferences 7	Preferences 8	Preferences 9	Preferences 10
John	Loud	Sleep Late	People	Sleeper	Antisocial	Messy	Straight	No Music	Irresponsible	Immature
Joe	Loud	Sleep Early	No People	Sleeper	Social	Messy	Gay	Music	Responsible	Immature
James	Quiet	Sleep Late	People	Early Bird	Antisocial	Messy	Gay	Music	Irresponsible	Mature
Joanna	Quiet	Sleep Early	People	Early Bird	Social	Messy	Gay	No Music	Responsible	Mature
Charlie	Loud	Sleep Late	No People	Sleeper	Social	Clean	Straight	No Music	Responsible	Immature

How to Use: Creating Pairings

4) Once the application is opened, the user will see a 'select file' option along with an 'assign roommates' option. In order to assign roommate pairings, the user must first choose the 'select file' option. This will prompt the user to choose the excel file with roommates and preferences from their computer.

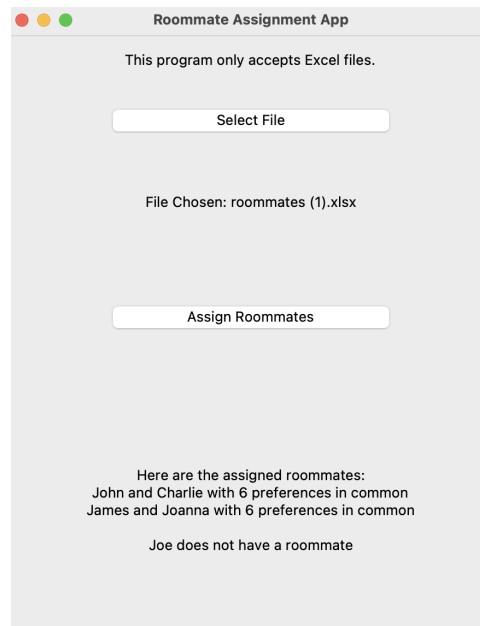


5) Once the excel file has been selected, the application will display the selected file. Make sure that the selected file is the correct file with students and preferences. An incorrect file will lead to a broken program.



Using the Application (Cont.)

6) Once you have selected the correct, intended file, click the assign roommates button. Accurate roommate pairings will appear on the bottom of the screen. The roommate pairings are listed along with the amount of common preferences. If multiple individuals have the same amount of common preferences, the pairings will read in order from entered in the file.



Frequently Asked Questions:

Question : I got a malicious software check, how do I access the application?

Answer : You need to manually open the application. Locate the application on your Finder. Right-click on the application and select Open. This will override the Apple security systems with one quick and easy step.

If the problem persists, see <https://support.apple.com/en-us/HT202491> and <https://support.apple.com/guide/mac-help/apple-cant-check-app-for-malicious-software-mchleab3a043/mac> for help. Once the application is verified, it will open freely like any other application and you will be able to use the RoomMate app.

Question : I don't need 10 complete preferences to assign roommates. Can I still use the application and excel file template?

Answer : The application can still be used if not all 10 preferences are used.

Question : I would like to add preferences to the excel file, will the application still run smoothly?

Answer: RoomMate does not run any excel file that has more than 10 preferences. You may use less than 10, but cannot add any preferences.

Question: What if I have an odd number of people in the excel file?

Answer: Someone will be placed without a roommate. This simulates a student being placed into a solo dormitory.