



QAP 4 – GROUP 11

PROJECTS 3 + 4

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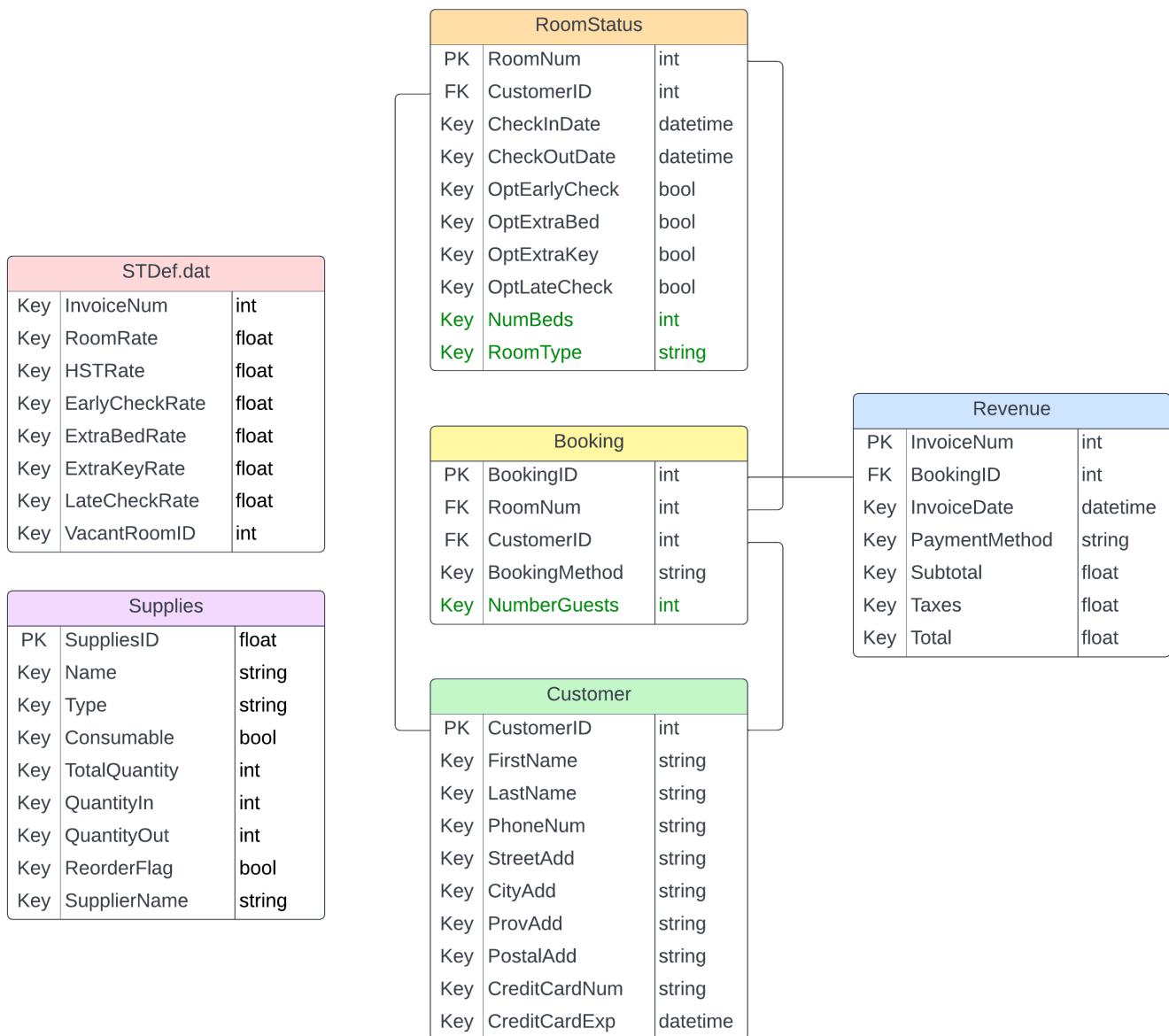
Project 3 - Bash Commands

| # | COMMAND(S) | DESCRIPTION |
|----|--|--|
| 1. | touch PySample.py touch ExtraP.txt touch Stuff.py | Create 3 files – one called PySample.py, one called ExtraP.txt, and a third called Stuff.py. |
| | echo "print('Adding code to python program PySample.py')" >> PySample.py echo "print('Adding code to python program Stuff.py')" >> Stuff.py echo "print('Add some text to text ExtraP.txt')" >> ExtraP.txt | Add code to each python program and add some text to txt file. |
| | echo "RetailCost" >> PySample.py echo "getName" >> ExtraP.txt | Add the words "RetailCost" and "getName" in one or more of these files. |
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| 2. | pwd | What is the current directory? |
| | ls | List the contents of the current directory. |
| | ls-a | List the contents of the current directory with any hidden files. |
| | ls-l | List the files with the permissions displayed. |
| 3. | cat PySample.py cat Stuff.py cat ExtraP.txt | Display the full contents of each of the files created above. |
| | head-n 3 PySample.py tail-n 3 Stuff.py | Display only the first 3 lines of PySample.py and the last 3 lines of Stuff.py. |
| | for file in *; do echo "\$file" tail-n 3 "\$file" done | Display the last 3 lines of all files. |

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| | less [filename] | If you have a file that is large, what options are available to have it appear one screen at a time? |
| 4. | mkdir PythonCurrent mkdir PythonDone mkdir TextFiles | Create a directory called PythonCurrent, one called PythonDone and one called TextFiles. |
| | mkdir PythonDone/2022 mkdir PythonDone/2023 | In the PythonDone directory create 2 other directories called 2022 and 2023. |
| | mkdir TextFiles/Python mkdir TextFiles/Other | In the TextFiles directory create 2 other directories called Python and Other. |
| 5. | cd PythonDone pwd | Change the current directory to PythonDone – notice how the prompt changes to show the current directory. Use pwd to confirm you are in the PythonDone directory. |
| | ls | List the files. |
| 6. | cd PythonCurrent pwd cd .. cd PythonDone/2023/ pwd cd ../../ cd TextFiles/Other pwd cd ../../ | Change to the following directories: PythonCurrent, 2023, and Other. Prove that you are in the proper directory. Go back to your working directory. |
| 7. | mv Stuff.py PythonCurrent ls | Move the Stuff.py file to the PythonCurrent folder and give it the same name. Check and make sure the file has been moved. |
| | cp ExtraP.txt TextFiles/Python | Copy the ExtraP.txt file to the Python folder in TextFiles. |
| 8. | cd TextFiles/Python head-6 ExtraP.txt cd ../../ | Change to the Python folder and display the first 6 lines of the file ExtraP.txt. Once complete move back to the main folder. |

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| 9. | cd PythonDone cat ../TextFiles/Python/ExtraP.txt cd .. | Display the contents of the ExtraP.txt file from the Python directory in PythonDone directory from the current location – you should be in the working directory. |
| 10. | find .-name "Stuff.py" | From the working directory, find the file called Stuff.py searching all subdirectories. |
| 11. | chmod +rx-w PySample.py | Change the permissions in the PySample.py so that the owner, group, and everyone else has only read and execute permission. |
| 12. | grep-rl "getName" | Find the text getName in a file and indicate which file(s) it is located –search all subdirectories. |
| | grep-rli "retailcost" | Do the same with the word RetailCost – in this case allow the search by ignoring case. |
| | grep-rli "retailcost" > FindResults.txt | Direct the output for one of these to a file called FindResults.txt. |
| | grep-rl "getName" >> FindResults.txt | How could you send both results to the same file without overwriting it? |
| 13. | date +"%B %d, %Y" | <p>The date command prints date/time information to the console. With no other parameters, it will print the current system date/time information. You can format the output using +[format] syntax.</p> <p>This can be useful for adding timestamps to files or adding date information to existing data sets. You can combine the date command with many other bash commands to use the date/time information, i.e. with the find command to find files created/modified on a certain date.</p> |

Project 4 – ERD



Added Fields (highlighted in green:

We added 3 fields: Number of beds and room type to the RoomStatus entity and Number of Guests to the Booking entity.

Number of beds would allow customers to book rooms with a specific number of beds based on their needs. **Room type** would allow another choice for customers making a booking (ie. regular, executive, suite, penthouse, etc.).

Number of guests would be important information for the Motel itself, since it would determine things like room needed (and number of beds) and total cost of the booking based on number of people. A normal number of guests per room would be 2, so knowing if there are more (or less) than that per room would be beneficial to the hotel.