Project Week 2: Object-Oriented Parking Garage   ⋮

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5 points   Due 8:29 AM

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You can work solo or in pairs (2 people)

You can create this in a jupyter notebook or a regular .py file
Your assignment for the weekend is to create a parking garage class to get more familiar with Object Oriented Programming(OOP).

Your parking garage class should have the following methods:
- takeTicket
    - This should decrease the amount of tickets available by 1
    - This should decrease the amount of parkingSpaces available by 1
- payForParking
    - Display an input that waits for an amount from the user and store it in a variable
    - If the payment variable is not empty then (meaning the ticket has been paid) -> display a message to the user that their ticket has been paid and they have 15mins to leave
    - This should update the "currentTicket" dictionary key "paid" to True
-leaveGarage
    - If the ticket has been paid, display a message of "Thank You, have a nice day"
    - If the ticket has not been paid, display an input prompt for payment
- Once paid, display message "Thank you, have a nice day!"
    - Update parkingSpaces list to increase by 1 (meaning add to the parkingSpaces list)
    - Update tickets list to increase by 1 (meaning add to the tickets list)

You will need a few attributes as well:
    - tickets -> list
    - parkingSpaces -> list
    - currentTicket -> dictionary

By the end of this project each student should be able to:
    - Explain and/or demostrate creating classes
    - Explain and/or demostrate creating methods
    - Explain and/or demostrate class instantiation

When the project is completed, commit the final changes and submit the link to your Github repository.