

Project Documatation

1. Personal information
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2. The program saves information about reservations into a calendar and marks the chosen resources as reserved for that time. When making a reservation causes a conflict (the resource has already been reserved), the reservation doesn't go through. The program adds relevant information on the customer to each reservation. The program can be used to check the reservations on a given point of time and to print out information on reservations within a time interval determined by the user.
3. The program can save and delete a reservation for a specific date. The period for the reservation can be anything (up to a year)
4. PyQt5 and standart python libraries like datetime, calendar
5. I used 3 classes for main window, calendar and table. All of them are independent.
6. I have used algorithms to remove, add and check if a certain date is free
7. I used a database sqlite3. I guess that its easiest and profitable way to save information
8. I did only manual testing. I ran out of time to use unittest
9. When writing a date, the program does not check if the user is writing the date in the correct format. This will be a problem in the future. This could be solved with try except method.
10. The code and classes are not well described and are rather difficult to read. it can be improved. It is also necessary to use more object oriented programming
11. I disrupted scheduling and did most of the work in April. This was a departure from the plan.
12. I guess that the program is at an medium level. The criteria for the highest level are not met.
13. Used only standard documentation PyQt5

Reservation system

Reservation

Cancel reservation

Booked dates

May

2021

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
17	26	27	28	29	30	1	2
18	3	4	5	6	7	8	9
19	10	11	12	13	14	15	16
20	17	18	19	20	21	22	23
21	24	25	26	27	28	29	30
22	31	1	2	3	4	5	6

Update

Room

1

Date in

Date out

Run

Reservation system

Reservation

Cancel reservation

	1	2	3	4	5
1	255	2222	2021,05,22	2021,05,29	123321
2	904	1	2021,05,05	2021,05,10	123321
3	3881	1	2021,05,12	2021,05,19	123321
4	8575	1	2021,05,21	2021,05,23	123321
5	2083	1	2021,05,27	2021,05,30	123321
6	3042	6	2021,05,10	2021,05,15	123321

Id

Delete

Input Dialog

Enter customer number:

Cancel

OK