

CS-A1123 - Basics in Programming Y2

Reservation system-Project Document

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1) General description

The program saves information about reservations into a text file. It has a simple interface with certain information to be filled by a client. To select booking dates there are two special edit lines which have buttons to pop up the calendar. Both methods can be used as a date selection in the calendar or manual entry via the keyboard. The program can be used to check the reservations on a given point of time and to reserve the available time.

2) Use case description and draft of the user interface

Open main.py then click on “New reservation” button, next fill all information and finally click “Reserve”. If dates are correct and room is available for this period the reservation is done.

3) Program’s structure plan

The structure consists of class MainMenu for first window and class ReservationWindow for the last. There are certain amount of functions mostly related to pop up calendar and checking correctness of filled by user data.

4) Data structures

The data represented in list with information about reservations.

5) Files and file formats

4 .py files and 1 txt document for reservations data

6) Algorithms

Might be better to use more structured algorithms, now it is more straightforward and simple as it is.

Testing plan

Unittest cases are in test.py file and all related only to the

7) Libraries and other tools

Only PyQt5 library and standard libraries

8) Schedule

It was horrible schedule. The next one should be much better. I didn’t have time for a lot of things, and I even write this plan in the last minutes. There's nothing more to say

