

**PHENIKAA UNIVERSITY
FACULTY OF ELECTRICAL AND ELECTRONICS**

**REPORT
BIG EXERCISE LTHDT**



TOPIC :

**TO DO LIST
Timetable application**

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Class: AI-ROBOT

Course: K17

Branch: Automation and control

HÀ NỘI , 22/10/2024

INTRODUCTION

In an increasingly busy life and work context, effective time management is an important factor to ensure balance between work, study and personal activities. The Timetable project is designed to help users plan, organize work, and track daily tasks in an effective way.

The goal of the project is to build a smart timetable system that not only meets the basic needs of work schedule management, but also provides features to support automatic scheduling, reminders, and Optimize time based on user priorities. This report will present the project design, construction and implementation process, along with the results achieved and lessons learned after implementation.

Hopefully, this project will contribute to improving time management skills and enhancing users' productivity in daily activities.

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1 INTRODUCE

1.1 *General introduction*

- A timetable is an important time management tool that helps individuals organize and arrange their work, study, and personal activities efficiently. Creating a timetable not only helps to define what needs to be done within a specific period but also optimizes time usage, minimizes waste, and ensures a balance between work and life.
- In today's fast-paced world, with increasing workloads and life demands, time management through the use of a timetable has become an essential skill. It gives users a comprehensive overview of important tasks, helps prioritize urgent work, and ensures that all activities are completed on schedule. Moreover, maintaining the habit of creating a timetable improves personal discipline, reduces stress, and enhances work performance.
- Timetables can be applied in various fields such as education, office work, business, or everyday life. With technological advancements, timetable management tools have become increasingly smart and flexible, allowing users to easily manage and adjust plans according to real-time needs.

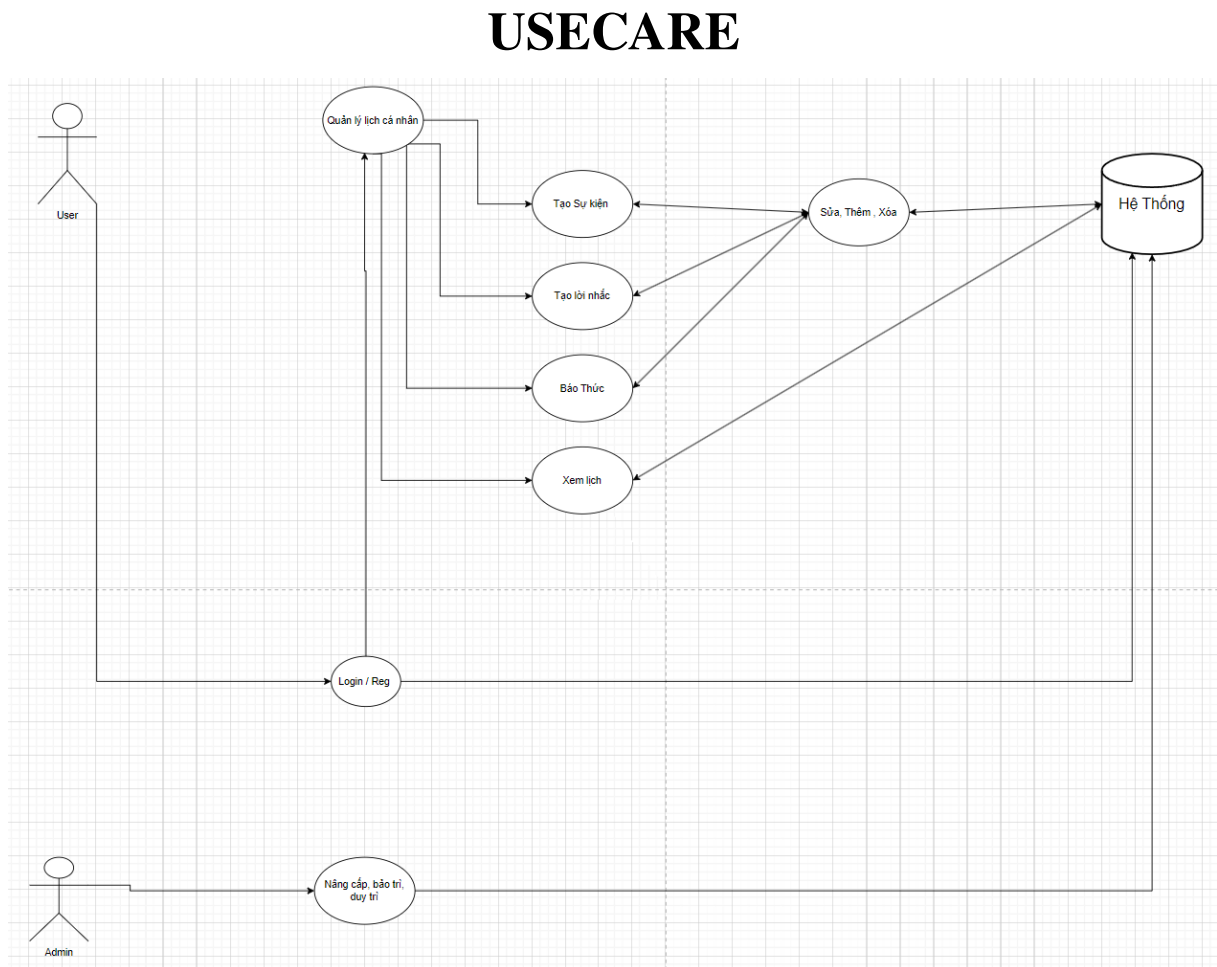
1.2 *Request*

- Description: Build a To-do List application that helps users manage to-do tasks, set deadlines, mark tasks as completed, and classify tasks by priority.
- Request: Task class with properties such as description, dueDate, priority, status. Supports the function of adding, deleting, editing tasks, and filtering task lists by status or priority. TaskManager class to manage lists of Tasks.

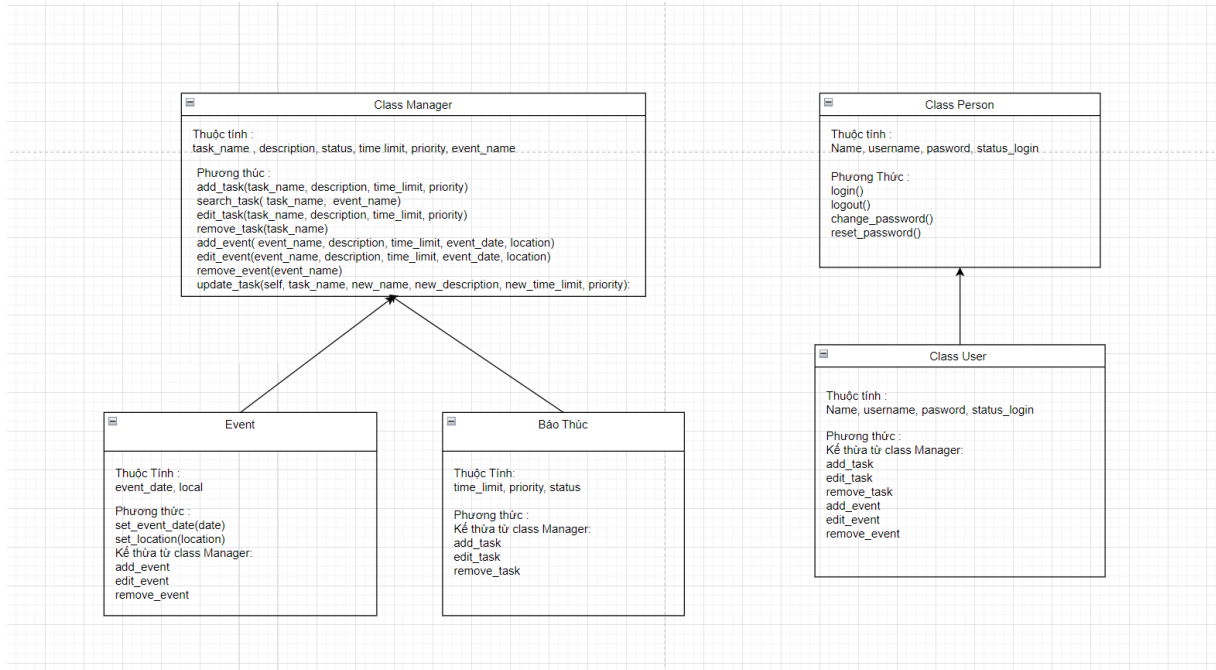


2 CHART

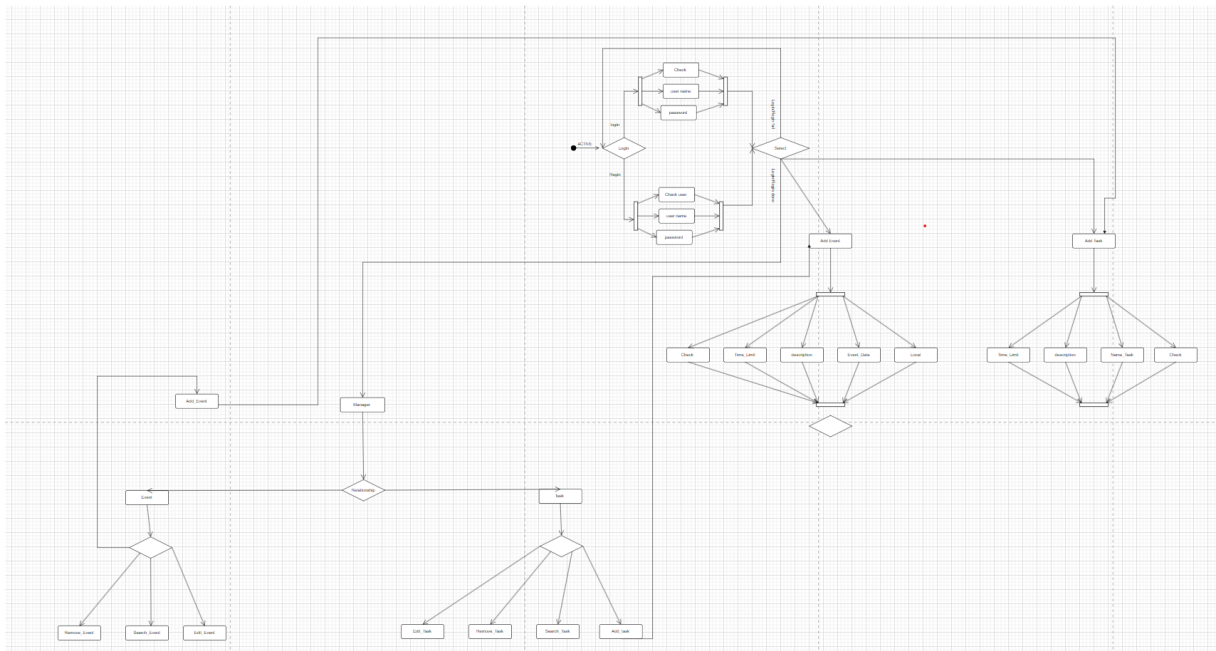
2.1 Diagram:



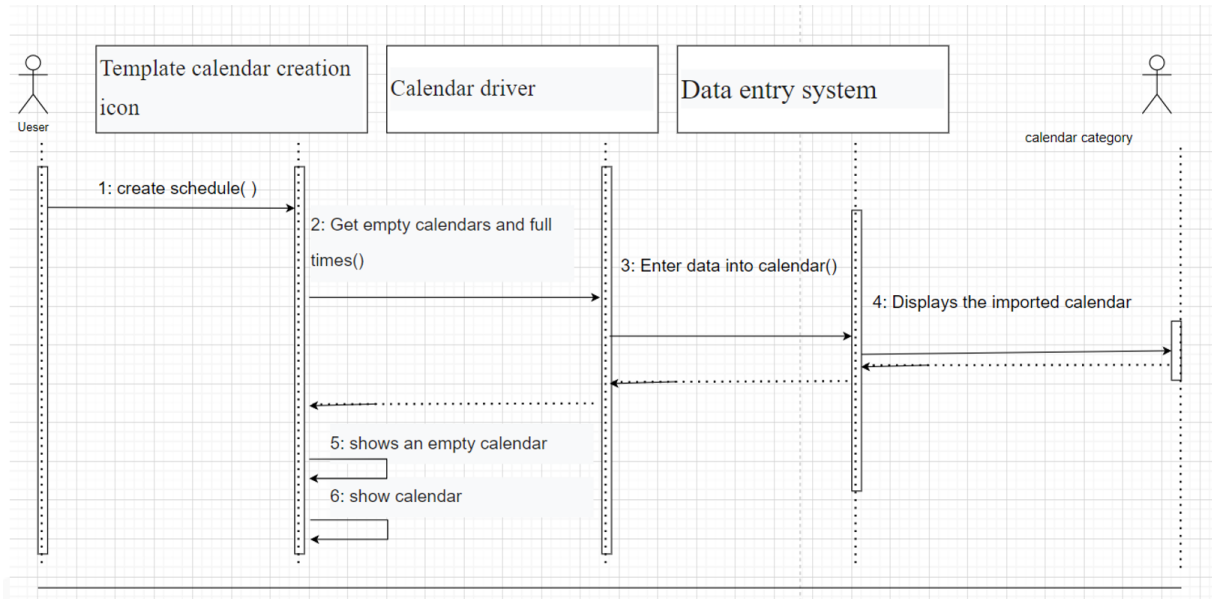
CLASS



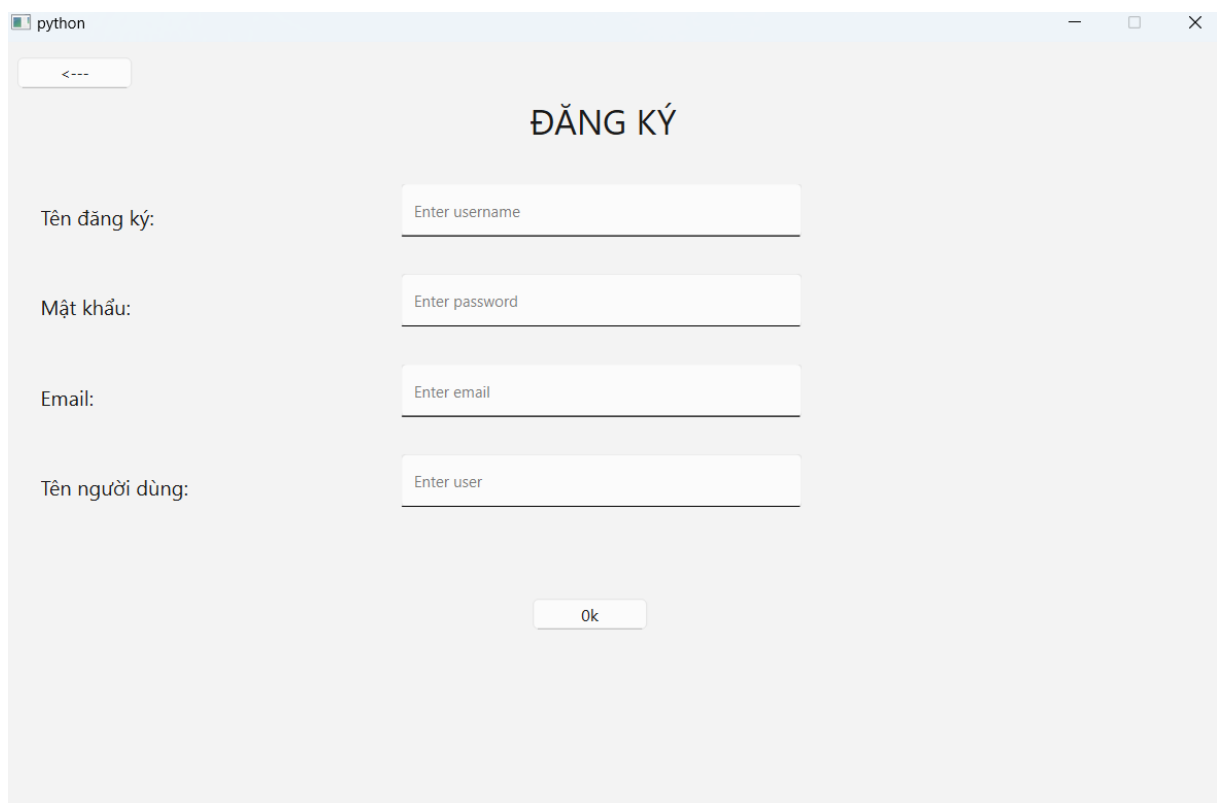
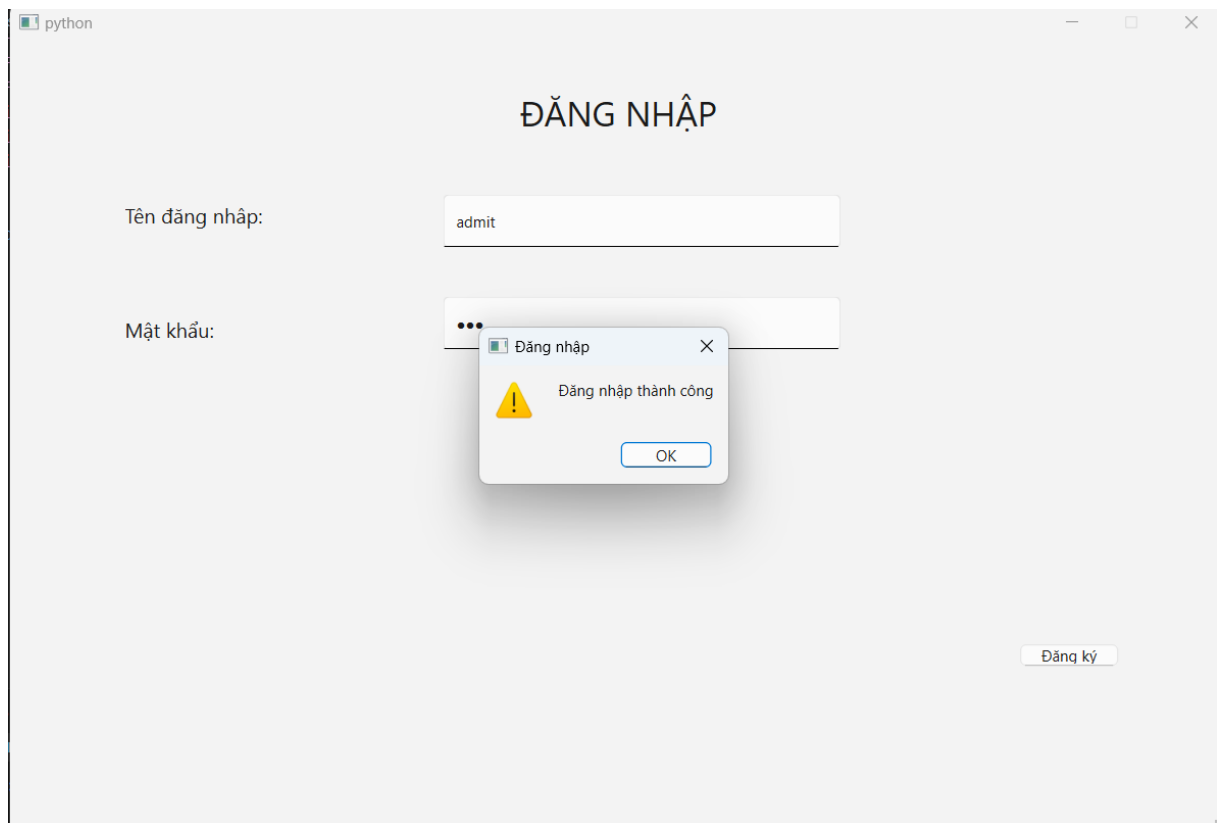
SEQUENCE



INTERACT



2.2 Interface:



python

Đăng xuất

Thông báo

Lịch

Ghi chú nhanh:

Làm bài tập Toán

←

Tháng Mười, 2024

→

	T2	T3	T4	T5	T6	T7	CN
40	30	1	2	3	4	5	6
41	7	8	9	10	11	12	13
42	14	15	16	17	18	19	20
43	21	22	23	24	25	26	27
44	28	29	30	31	1	2	3
45	4	5	6	7	8	9	10

Thứ 2

Thứ 3

Thứ 4

Thứ 5

Thứ 6

Thứ 7

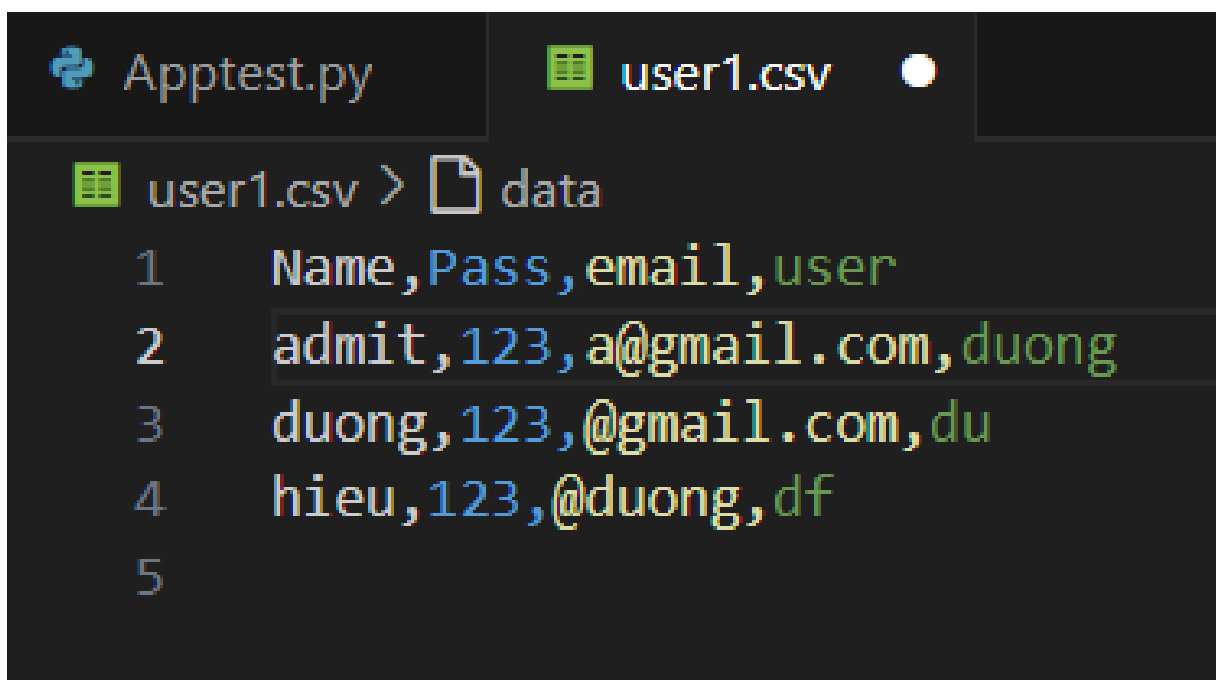
CN

3 DATAPASE

3.1 Code

```
class Login_in(QMainWindow):  
    def __init__(self):  
        super(Login_in, self).__init__()  
        uic.loadUi('dangnhap.ui', self)  
        self.okdn.clicked.connect(self.login)  
        self.OKDK.clicked.connect(self.reg_from)
```

3.2 Data



Apptest.py user1.csv

user1.csv > data

	Name	Pass	email	user
1	admit	123	a@gmail.com	duong
2	duong	123	@gmail.com	du
3	hieu	123	@duong	df
4				
5				

4 CONCLUDE

The Timetable application has accomplished its goal of helping users manage their time effectively and scientifically. With priority-based scheduling, reminders, and optimization features, the application helps users organize their work appropriately, increase work productivity, and maintain a balance between work and life. personal life.

During the development process, many problems have been solved through research and application of modern technological solutions. Thereby, the project not only provides a convenient time management tool, but also helps users develop more effective work management habits.

However, there is still much potential to improve and expand the application in the future. Integrating more artificial intelligence (AI) to predict and automatically adjust timetables based on user habits, or better synchronization with other platforms will be the next development directions. Overall, this timetable application is a useful step forward in improving time management abilities, contributing to improving the quality of life and work of users.

5 REFERENCES

- chatgpt.com
- <https://www.youtube.com>