COMP3211
Group Project Presentation

Group 26
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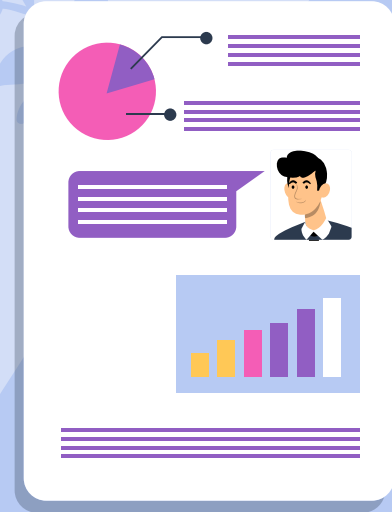20102514D Li Yangxiaoxuan
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Introduction

- **Command-line-based personal information manager (PIM)**

- **Object-oriented way**

- **Language: Python**

Creation of PIRs

Four types of PIRs

- **Quick Notes**

```
Please choose what you want to do. 1, 2, 3, 4, 5, 6: 1
-------------------------------------------------------
-              Create data type to choose             -
-------------------------------------------------------
-              1.Create Quick Notes                   -
-              2.Create tasks                         -
-              3.Create contacts                      -
-              4.Create events                        -
-              5.Back to the Home Page                -
-------------------------------------------------------
Please enter 1, 2, 3, 4, 5 to choose what you want to do: 1
Enter your note:Hello World!
You have successfully create a PIR and saved into records.
```

```
≡ records.pim
1       ------Note------
2       Notes
3       hi
4       hihihi
5       11111
6       Hello World!
```

Creation of PIRs

Four types of PIRs

- **Tasks**

```
===================================
-        Create data type to choose        -
===================================
-          1.Create Quick Notes          -
-          2.Create tasks                 -
-          3.Create contacts              -
-          4.Create events                -
-          5.Back to the Home Page        -
===================================
Please enter 1, 2, 3, 4, 5 to choose what you want to do: 2
Enter date and time for task ( in format YYYY/MM/DD hh:mm): 2023/
11/11 23:59
Enter task text:COMP3211 Meeting
You have successfully create a PIR and saved into records.
```

```
------Task------
Description,Deadline
Assignment 1,2023/10/01 23:59
Assignment 2,2023/11/01 23:59
Assignment 3,2023/11/29 23:59
Group Report,2023/12/01 23:59
Group Presentation,2023/12/01 23:59
COMP3211 Meeting,2023/11/11 23:59
```

Creation of PIRs

Four types of PIRs

- **Contacts**

```
------------------------------------------------
-            Create data type to choose        -
------------------------------------------------
-                1.Create Quick Notes          -
-                2.Create tasks                 -
-                3.Create contacts              -
-                4.Create events                -
-                5.Back to the Home Page        -
------------------------------------------------
Please enter 1, 2, 3, 4, 5 to choose what you want to do: 3
Enter a name for contact item:Zoe
Enter an contact address: Ningbo
Enter a contact number: 5201314
You have successfully create a PIR and saved into records.
```

```
------Contact------
Name,Address,Mobile_num
Max,PQ666,66666666
Cao,PQ777,66665555
John,PQ668,66668888
Jeff,PQ700,66660000
Zoe,Ningbo,88888888
```

Creation of PIRs

Four types of PIRs

- **Events**


```
-                Create data type to choose                -
----------------------------------------------------------
-                                                         -
-                    1.Create Quick Notes                 -
-                    2.Create tasks                       -
-                    3.Create contacts                    -
-                    4.Create events                      -
-                    5.Back to the Home Page              -
-                                                         -
----------------------------------------------------------
Please enter 1, 2, 3, 4, 5 to choose what you want to do: 4
Enter a description for this event: COMP3211
Enter date and time for event start time( in format YYYY/MM/DD hh
:mm): 2023/11/11 23:59
Enter date and alarm time for this event( in format YYYY/MM/DD hh
:mm): 2023/11/11 23:50
You have successfully create a PIR and saved into records.
```

```
------Event------
Description,Start_time,Alarm
Group Meeting,2023/11/11 13:00, 2023/11/11 12:50
Midterm,2023/11/27 12:00, 2023/11/11 11:50
COMP3211,2023/11/11 23:59,2023/11/11 23:50
```

Definition of Search Criterion

Text

Type: All

Note/Task/Contact/Event

Time

Type: Event/Task

Format: YYYY/MM/DD hh:mm
e.g 2023/11/11 11:59

not

Type: All

Search: a
! = not
Output: PIRs except a

Or/And

Type: All

Condition 1 : a, Condition 2: b
Or = ||
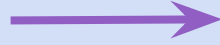Output: PIRs contain a or b
And = &&
Output: PIRs contain both a and b

Specific Search PIRs

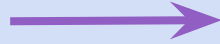**Input search type**
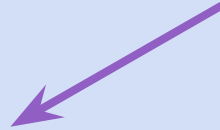Note/Event/Task/Contact

Input search filter
Time/Text/Logical combine

Input criteria
For searching > 1 condition
|| / &&/ press enter (N/A)

Input not
! / press enter (N/A)

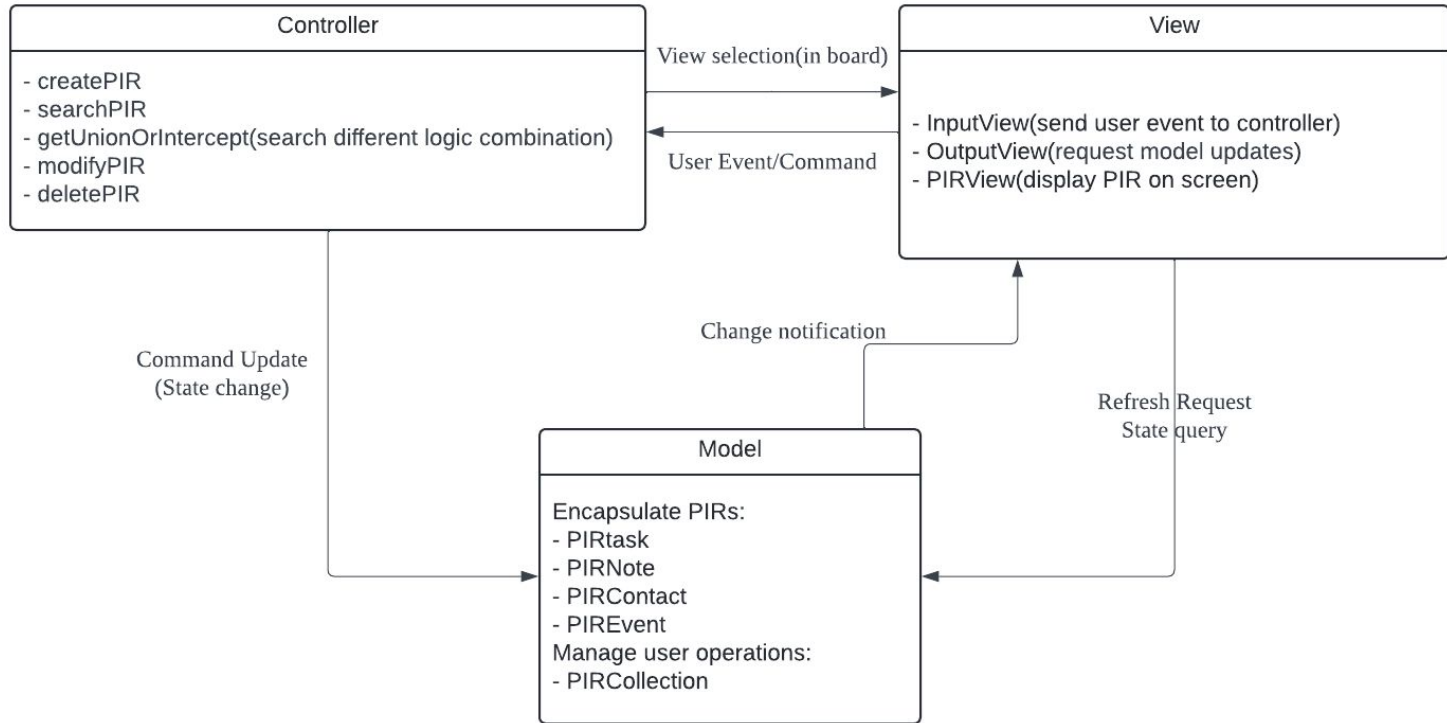**Match result**
>/</=

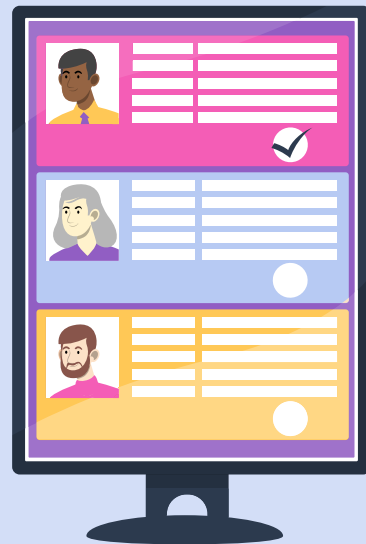**Return result**
Display PIRs

Overall Design

Important Lesson

- **Main** ⟶ **MVC**
  - The usage and implement of MVC
  - The advantage of MVC
    - Easier to test
    - Clearer structure
    - Flexible reuse
    - Better for cooperation

Thank you for watching!

Do you have any questions?