

**CPT113 ASSIGNMENT I REPORT**

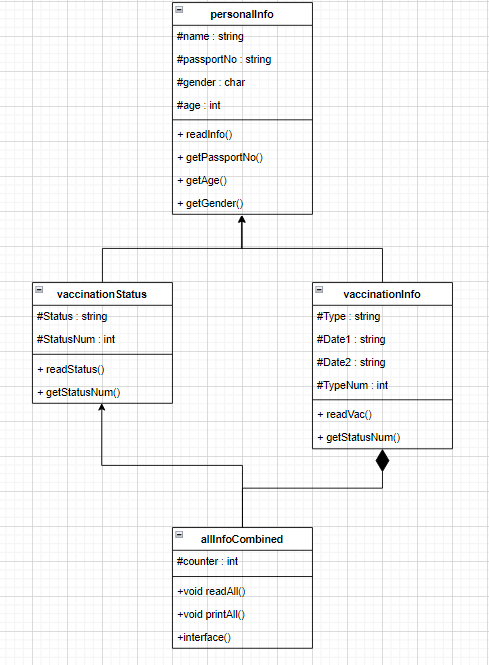
Electronic Covid – 19 Passport Information System

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**MATRIC NO :** 153086

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**UML DIAGRAM**



**SPECIFICATION OF REQUIREMENT**

|  |  |
| --- | --- |
| **Input** | Name  Gender  Passport Number  Age  Vaccination Status  Vaccine Type  1st Vaccination Date  2nd Vaccination Date |
| **Output** | List of all individual personal informations  Statistical informations   * Total number of individuals who received certain vaccines * Total number of individuals fully vaccinated,partially or un-vaccinated * Total number of individuals vaccinated according to age * Total number of individuals vaccinated according to gender |
| **Process** | Sorting, arranging, addition, array manipulation |
| **Formula** | Counter = counter +1 |

**TEST CASES ( Sample input & output)**

1. Main menu

Text

Description automatically generated

2. Other choices does not work because there are no information stored

Text

Description automatically generated

3. Input how many personal informations

(in the test cases (4) is used) So, 4 total individual informations

(because the program is for passport control officers to retrieve informations not for user to input on their own I assumed)

Also input informations

* name
* gender
* passport number
* age
* vaccination status
* vaccination information (type and dates)

Below test case is for **FULLY VACCINATED.**

Text

Description automatically generated

Below test case is for **PARTIALLY VACCINATED.**

Text

Description automatically generated

Below test case is for **NOT YET VACCINATED**

Text

Description automatically generated

Below test case is also for **PARTIALLY VACCINATED.**

Text

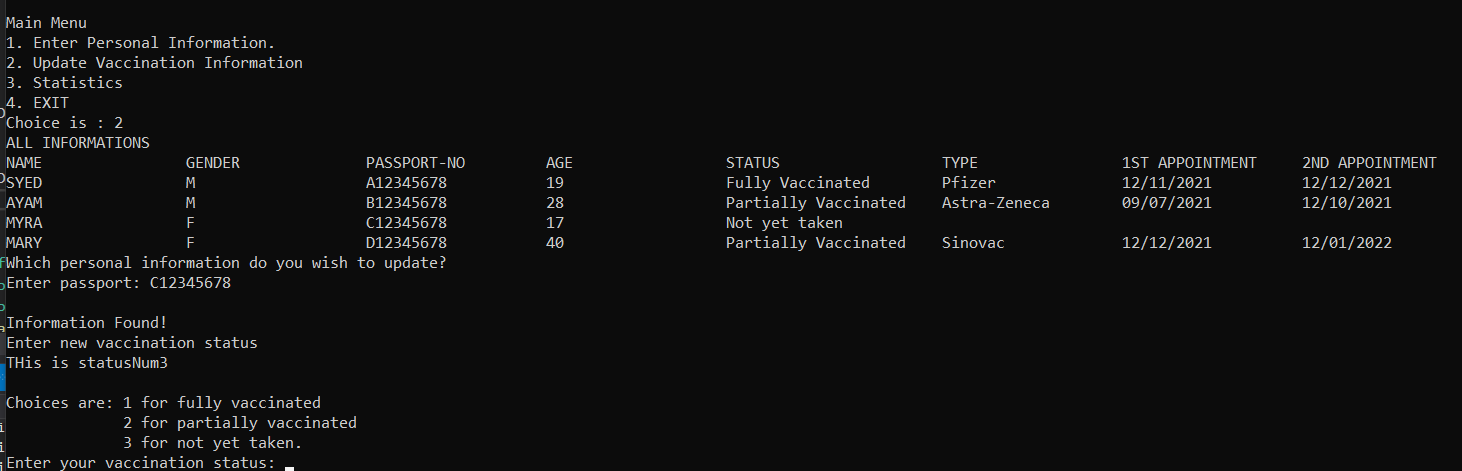
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4. Display all current information at the end of the reading.

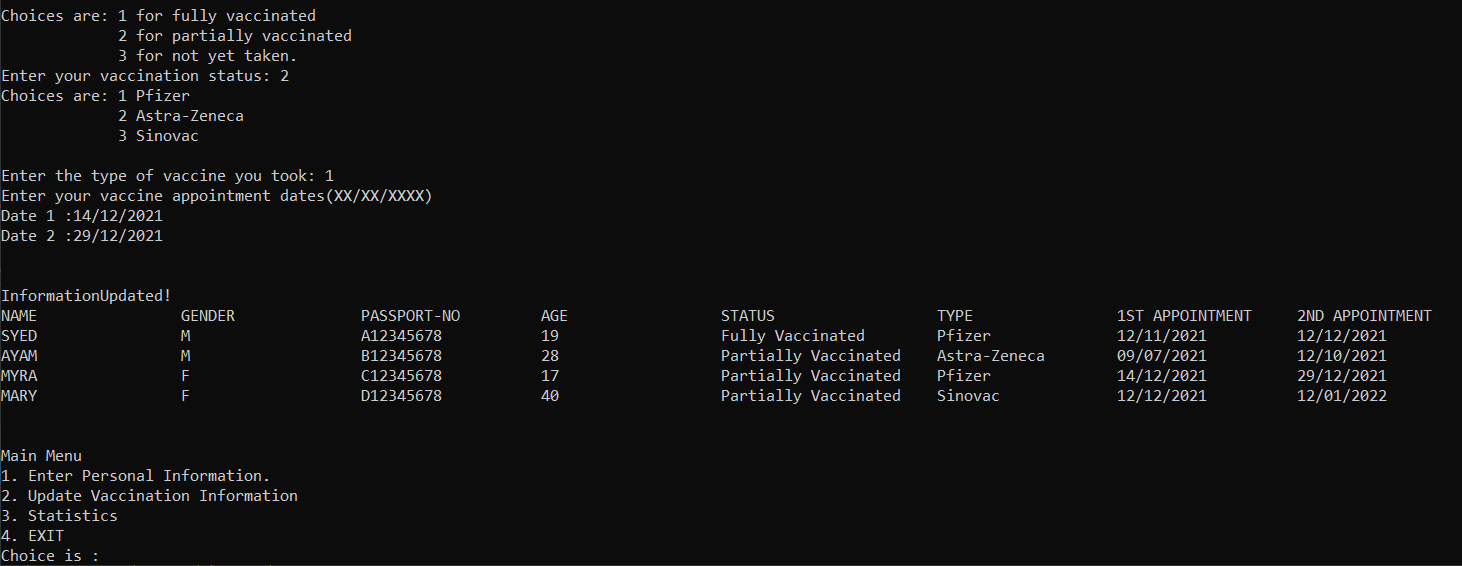
A picture containing text, screenshot

Description automatically generated

5. Update vaccination by inserting the passport number of an individual you wish to change



6. Information is updated in the information table.



A picture containing graphical user interface

Description automatically generated

7. Statistics (display statistics based on the last time the information table is updated.)

Display total individual

* **FULLY VACCINATED**
* **PARTIALLY VACCINATED**
* **NOT YET VACCINATED**

Display total individual who took specific vaccine types

* **PFIZER**
* **ASTRA-ZENECA**
* **SINOVAC**

Text

Description automatically generated

Display total individuals information in the program based on ranged of ages.

* **Age(12-18)**
* **Age(19-39)**
* **Age(40 and above)**

Display total individuals information in the program based on their gender

* **MALE**
* **FEMALE**

Text

Description automatically generated

**( For references)**

