Web Application Revision Practice 2 [NJC/2023/Prelim/P2/Task 4]

The database file `TASK4.db` contains a partial data set for an event ticket booking system. An event has a unique ID number, event name, artist and event type. Each event has one or more performances. Each performance will contain the date, time and venue. The two tables in the database are as follows:

- `Event(id, name, artist, type)`
- `TimeTable(id, event_id*, date, time, venue)`

```
Underline: Primary Key
*: Foreign Key
```

The tables have been pre-loaded with data.

Task 4.1

Write a Python program and the necessary files to create a web application. The landing or home page of the web application should display all the event records in the database as follows (output 1):

Event Name	Artist	Type of Event	
GARNiDELiA stellacage 2023	GARNiDELia	concert	See performance dates
JACKY CHEUNG 60+ CONCERT TOUR	Jackey Cheung	concert	See performance dates
Legend: Heaven and Earth	Sulwyn Lok	concert	See performance dates
Taylor Swift | The Eras Tour	Taylor Swift	concert	See performance dates

A stylesheet file, `style.css` has been created for you. You should use the style and formatting instruction in this file in all your html pages. This landing page should provide a user interface for the user to select an event to view all the performance dates for the selected event. After a particular event has been selected by the user, the web application should then display the performance details as follows (output 2):

Taylor Swift | The Eras Tour

Date	Time	Venue
02/03/24	2000	National Stadium
03/03/24	2000	National Stadium
04/03/24	2000	National Stadium

Save your program code as
`Task4_1_<your name>_<centre number>_<index number>.py`

with any additional files/subfolders as needed in a folder named
`Task4_1_<your name>_<centre number>_<index number>`.

Run the web application and save the two outputs of the program as
`Task4_1_1_<your name>_<centre number>_<index number>.html` and
`Task4_1_2_<your name>_<centre number>_<index number>.html` respectively. [10]

Task 4.2

The file `ADDITIONS.csv` contains details of additional performances by the artist after the database has been populated with data. Write Python code to read the contents from the file and update the database with the additional performances.

Save your program code as
`Task4_2_<your name>_<centre number>_<index number>.py` [6]