M Gmail

Matthew Obirek <matthewobirek@gmail.com>

COSC 499 PrairieLearn Team A

3 messages

Andrei Zipis <Andrei_Zipis@hotmail.com>   Wed, Jun 21, 2023 at 3:21 PM
To: "Lawrence, Ramon" <ramon.lawrence@ubc.ca>
Cc: "matthewobirek@gmail.com" <matthewobirek@gmail.com>, "nishant.srinivasan236@gmail.com"
<nishant.srinivasan236@gmail.com>, "skyler@thealdersons.org" <skyler@thealdersons.org>

Hi Ramon,

The link below is a tunnel to my locally hosted PrairieLearn repository.
Through it you are able to test the features we have implemented so far at your leisure.
Currently implemented: DDL Lab Create Tables, SQL Query Lab Questions 1-6

I will try to keep it up for as long as possible but please let me know if you need a new link at any
time.
Link: Ngrok Tunnel

Also, could you please provide us with a marking rubric for COSC 304 Labs 1,2,3 so that we can
mimic it as best as possible.

Thank you,

Andrei Zipis

Lawrence, Ramon <ramon.lawrence@ubc.ca>   Wed, Jun 21, 2023 at 7:00 PM
To: Andrei Zipis <Andrei_Zipis@hotmail.com>
Cc: "matthewobirek@gmail.com" <matthewobirek@gmail.com>, "nishant.srinivasan236@gmail.com"
<nishant.srinivasan236@gmail.com>, "skyler@thealdersons.org" <skyler@thealdersons.org>, "Lawrence, Ramon"
<ramon.lawrence@ubc.ca>

Hi,

That was very useful for testing. I am very impressed with what is built so far on the UI. Now, the focus is on
auto-generation and marking and some UI improvements.

Here is some feedback:

1)   For create table, if the column names are given, then they should exactly match. This should be tested
when executed on client side and when marking.

2)   I like how the schema gets created dynamically and updated in the UI as you create/delete tables. That
is really slick.

3)   For drop down schema, the ability to add a table or field name to the current text window at the cursor
position by clicking would be useful. Schema format on display: columnName : datatype {PK, FK} (if it is a
PK or FK)

4)   For grading create table, you can compare the schema metadata for the user create table with the
schema metadata that the answer generates. The schema metadata contains column and field names and

types. We generally given part marks for components: table name, field names, field types, PK and FKs.

5)   As mentioned, there should only be one server.py file per question type (SQL, RA) not duplicating the file per question. All parameters should be passed into from the question.html file. This is how it is done for the UML question type.

6)   The database initialize is a good feature. It should be passed in the HTML or read as a separate SQL file rather than in the server.py. Also, I am not sure I like that for Create Table Q5 as it gives away the answer for the previous questions. If this is controllable on the question basis, that would be good. Ideally if the student answered the previous question correctly or the schema carries over from the last question then they would not need to re-enter that data.

7)   When showing the answer SQL, preserve whitespace (tabs, spaces, newlines).

8)   For UPDATE and DELETE the ability to test a data set on the server that is different than the client data set is useful. I note on the questions currently the user is responsible for running CREATE TABLE and INSERTs first before they could test their delete. I think I am okay with this.

9)   I really like the SQL queries for lab 3. UI looks very good. I am not sure about the font for displaying the table output though. I have noticed a few differences with SQLite compared to MySQL specifically related to DATEs and rounding on double values. You can see that in questions like Q7.

10) I do not see the RA question. I will give feedback on that when available.

I have attached the answers and marking keys (if available) for labs 1, 2, and 3. Generally part marks are at the TAs discretion unless given in the answer key.

Dr. Ramon Lawrence
Academic Director for the Centre for Teaching and Learning

Professor, Computer Science

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THE UNIVERSITY OF BRITISH COLUMBIA

From: Andrei Zipis <Andrei_Zipis@hotmail.com>
Sent: June 21, 2023 3:22 PM
To: Lawrence, Ramon <ramon.lawrence@ubc.ca>
Cc: matthewobirek@gmail.com; nishant.srinivasan236@gmail.com; skyler@thealdersons.org
Subject: COSC 499 PrairieLearn Team A

[**CAUTION:** Non-UBC Email]

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4 attachments

markingGuide.html
2K

answerDDL.sql
4K

cosc_304_lab1_answers_2022.txt
2K

lab3_answers_2022.txt
12K

Andrei Zipis <andrei_zipis@hotmail.com>   Fri, Jun 30, 2023 at 6:25 PM
To: "Lawrence, Ramon" <ramon.lawrence@ubc.ca>
Cc: "matthewobirek@gmail.com" <matthewobirek@gmail.com>, "nishant.srinivasan236@gmail.com"
<nishant.srinivasan236@gmail.com>, "skyler@thealdersons.org" <skyler@thealdersons.org>

Hi Ramon,

Here is the ngrok tunnel: Ngrok Tunnel
I apologize for how late this is being delivered to you and we completely understand if you don't
have time for it this weekend.
Again, I will try to keep it up throughout the weekend, but please let me know if you need a new
link at any time.

New features since last testing:

- Static RelaX questions implemented
    - hover functionality, feedback not implemented yet
- Styled output tables (sorting functionality for them in SQL questions)
- Clickable schema tables
- Autogenerated questions for each question type (code in place, randomness variants not
  fully functional yet)
    - Easy, Medium, Hard difficulties

Lastly, if you could please let us know which schema table design you like better:

of shipments descending.

Expected Output:

```
+-------------------+---------------+---------------+
| city              | numCustomers  | numShipments  |
+-------------------+---------------+---------------+
| Hollywood         |             1 |             4 |
| Iowa City         |             2 |             4 |
| Kelowna           |             2 |             4 |
| Lake Country      |             1 |             3 |
| Calgary           |             1 |             2 |
| Huntington Beach  |             1 |             2 |
+-------------------+---------------+---------------+
```

| customer | product | shipment | shippedproduct |

Enter some SQL

```
1
```

Execute

Database initialized.   **or**

Expected Output:

```
+-------------------+---------------+---------------+
| city              | numCustomers  | numShipments  |
+-------------------+---------------+---------------+
| Hollywood         |             1 |             4 |
| Iowa City         |             2 |             4 |
| Kelowna           |             2 |             4 |
| Lake Country      |             1 |             3 |
| Calgary           |             1 |             2 |
| Huntington Beach  |             1 |             2 |
+-------------------+---------------+---------------+
```

| customer | product | shipment | shippedproduct |

Enter some SQL

```
1
```

Execute

Save & Grade   Save only   New variant

Happy Canada day, see you next week.
Andrei

From: Lawrence, Ramon <ramon.lawrence@ubc.ca>
Sent: June 21, 2023 7:00 PM
To: Andrei Zipis <Andrei_Zipis@hotmail.com>
Cc: matthewobirek@gmail.com <matthewobirek@gmail.com>; nishant.srinivasan236@gmail.com <nishant.srinivasan236@gmail.com>; skyler@thealdersons.org <skyler@thealdersons.org>; Lawrence, Ramon <ramon.lawrence@ubc.ca>
Subject: RE: COSC 499 PrairieLearn Team A

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