University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: ____3____

Date: _____October 30, 2022_____

Group Number: _____12_____

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

CPSC 304 Milestone 3 - Group 12

TIMELINE/STUFF TO DO:

Task	Date	Person
SQL script to create tables and data	Nov 9	Arianna
Project description - A copy of the schema and screenshots that show what data is present in each relation after the SQL initialization script is run.	Nov 11	
README	Nov 11	
INSERT, SELECTION, AGGREGATION with GROUP BY, DIVISION (written queries)	Nov 18	Arianna
DELETE, PROJECTION, AGGREGATION with HAVING (written queries)	Nov 18	Jason
UPDATE, JOIN, NESTED AGGREGATION WITH GROUP BY (written queries)	Nov 18	Tracy
Implement UI page -- add visitor	Nov 25	Tracy
Implement UI page -- find existing visitor (update/delete upon find)	Nov 25	Tracy
Implement UI page -- general page with buttons (show all tables, get most popular art piece.. Etc -- rest of queries)	Nov 25	Jason Arianna
Implement UI page -- homepage (has the drop, recreate, and reload tables buttons, and a brief intro)	Nov 25	Jason
Screenshot of each query operation and result	Nov 25	Jason, Tracy, Arianna
PROJECT DEMO	Nov 28	Jason, Tracy, Arianna

To Do List:

Milestone 3 (due Nov 4th)
- GUI templates
  - Figure out UI design -- build pages using Figma
- Timeline

Milestone 4 (due nov 25th)
- Sql script to create all tables and data in database (SQL DDL and INSERT statements)
- Project description
  - Short description of final project and what it accomplished
  - How final schema differed from schema turned in
  - Copy of schema and screenshots
- Queries: (listed, and ref to where TA can find implementation of query in the code, screenshot provided to demo functionality of query)
  - INSERT
  - DELETE
  - UPDATE
  - SELECTION
  - PROJECTION
  - JOIN
  - AGGREGATION with GROUP BY
  - AGGREGATION with HAVING
  - NESTED AGGREGATION WITH GROUP BY
  - DIVISION
- Screenshots of query results
- README

Milestone 5 (due sometime Nov 28 - dec 2)
- GUI Design
- Drop, recreate, and reload tables
- Demo-ing the query:
  - **INSERT**
    - **ADD A VISITOR BUTTON**
    - Add a visitor/user (Name, Phone number, Email,Age)
  - **DELETE**
    - **DELETE VISITOR BUTTON**
    - Delete a user
      - Delete their account
  - **UPDATE**
    - **UPDATE USER BUTTON**
    - Update user/visitor profile (Update email, name, phone number, age)
  - **SELECTION**
    - **ART PIECES VIEWED BUTTON**
    - **Select** all art pieces user/visitor viewed

- **PROJECTION**
    - **SHOW ALL VISITOR BUTTON**
    - Admin views…
        - all visitor names, phone number, email on a gallery
- **JOIN**
    - **SHOW ALL ART PIECES**
    - **Join:** Art piece with Artist
        - Display it with the art piece
- **AGGREGATION with GROUP BY**
    - **MOST VIEWED ART PIECE BUTTON**
    - get most popular art piece
        - Aka. art piece with max views
- **AGGREGATION with HAVING**
    - **FILTER ART PIECE MEDIUM**
    - get art piece with a certain medium with num views
        - Groups by art piece medium
        - Having number of views > n
- **NESTED AGGREGATION WITH GROUP BY**
    - **FILTER BY DATE CREATED BUTTON**
    - Group by art piece art style
    - Group by date created
- **DIVISION**
    - **DEDICATED VISITORS BUTTON**
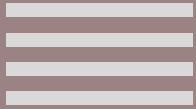   - Select visitors who visited all the art pieces in gallery

Gallery Manager
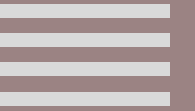
Add Visitor	Edit Visitor	Query Data

WELCOME TO OUR HUMBLE SITE

Refresh Data

Gallery Manager

Add Visitor

Edit Visitor

Query Data

Name

Email

Phone Number

Age

Date of Visit

MM-DD-YYYY

Visitor Number

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Add
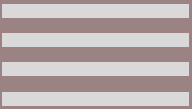
Gallery Manager

Add Visitor | **Edit Visitor** | **Query Data**

Name

Email

Phone Number

Age

Date of Visit

MM-DD-YYYY

Visitor Number

###

Update | Delete Account

Gallery Manager
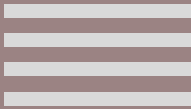
Add Visitor	Edit Visitor	Query Data

Vistitor Number | DateOfVisit

Art Pieces Viewed

Show All Art Pieces

Show All Visitors

Most Viewed Art Piece

Filter Art Piece Medium

Filter by Date Created

Dedicated Visitors

Title

	A	B	C
1	ArtPiece_ID	ArtPiece_Title	ArtPiece_NumberOfViews
2	10	Mona Lisa	123455432
3			