Food Talks

Project Description

Summary
We have built a food talk app. Here users can create their accounts using the register portal and that information is saved. Using login users can login into their accounts and create posts. Posts include adding pictures, reviews of their restaurants, location. These posts are also saved and can be viewed by other users. Users can also comment on other posts. Users have a bio on their profile which can be changed to anything and any amount of times. Users can also delete their posts. It's an interactive app focused for university students to identify the best and affordable food eating spots on campus and using the comment options interact as well. Users also have the option to filter the data (projection) and search for restaurants that are given a good rating.

GitHub Repo Link – [daedal00/FoodTalk (github.com)](github.com)
Live Demo - https://www.students.cs.ubc.ca/~samuelk2/project/login.php

Changes made to the original Schema -
Added Major attribute in User profile to tailor the results by which people can connect easily with the same major.
Didn't implement friends , likes , messages and videos from the relational schema due to compatibility issues.
Scalability issues for videos didn't allow it to be implemented . It requires a string of photos in a continuous execution and saving those many photos for every user is not a feasible option. Users already have the option to comment so having a messaging feature seems redundant in this case as this platform is for allowing users to openly share their views. Having friends on this app also violates the openness and review system we want to implement, here the basic idea is that people can be honest and open to everyone about their experience and not just to friends.

List of the Relational Schemas

Faculty(**FacultyID** , program)	FacultyID	Program
	APSC	Applied Science
	ARCH	Architecture and Landscape Architecture
	ARTS	Arts
	AUDI	Audiology and Speech Sciences
	SAUD	Business Sauder
	CRPL	Community and Regional Planning
	DENT	Dentistry
	EDUC	Education
	EXTL	Extended Learning
	FRST	Forestry
	GRAD	Graduate and Postdoctoral Studies
	JRNL	Journalism
	KINE	Kinesiology
	LFS	Land and Food Systems
	LAW	Law, Peter A
	LIBR	Library, Archival and Information Studies

City(CityId, City, Province)

City

CityID	City	Province
0001	Vancouver	BC
0002	Surrey	BC
0003	Richmond	BC
0004	Burnaby	BC
0005	New Westminster	BC
0006	Langley	BC
0007	Coquitlam	BC
0008	Delta	BC

UserProfile(**ProfileID** , FirstName , LastName , ProfilePicture , Bio , <u>Faculty</u> , Major)	**UserProfile**						

UserProfile

ProfileID	FirstName	LastName	ProfilePicture	Bio	Faculty	Major
ABCDE12345678	MIKE	JACK		Foodie	MUSC	Singing
FGHIJ12345678	Pranjal	Gupta		Student at ubc	CRPL	Student at UBC
KLMNO12345678	Rick	Harrison		Trader	ARTS	Finance

UserAccount(**UserID** , **email** , <u>**ProfileID**</u> , Password)

UserAccount

UserID	Email	ProfileID	Password
USERR12345678	mike@uba.ca	ABCDE12345678	pass123
USERR23456789	pgupta@uba.ca	FGHIJ12345678	KEY123
USERR34567891	rick@uba.ca	KLMNO12345678	PASSWORD221

Post(**PostID** , Title , Rating , textReview , <u>City</u> , PostTime , <u>ProfileID</u>)

Post

PostID	Title	Rating	TextReview	City	PostTime	ProfileID	PostPhotoTemp
POSTT12345678	Food At Mercante	2	Food is not upto the mark	0001	28-03-2023	ABCDE12345678	image.jpg
POSTT23456789	Uncle Faiths	4	Food is very affordable	0002	21-06-2023	FGHIJ12345678	image2.jpg
POSTT34567891	Kinton Ramen	5	Food is quite good.	0001	7-01-2023	KLMNO12345678	image3.jpg

Comments(**CommentsID** , <u>PostID</u> , <u>UserID</u> , <u>Email</u> , <u>Profile ID</u> , CommentContent , CommentTime)

Comments

CommentsID	PostID	UserID	Email	ProfileID	CommentContent	CommentTime
COMMT12345678	POSTT12345678	USERR23456789	pgupta@uba.ca	FGHIJ12345678	Yea, even my experience was not that good	31-08-2023 , 14:01
COMMT23456789	POSTT23456789	USERR34567891	rick@uba.ca	KLMNO12345678	GREAT FOOD!! Great service.	26-06-2023 , 16:41
COMMT34567891	POSTT34567891	USERR23456789	pgupta@uba.ca	FGHIJ12345678	Afforadable place to visit.	16-07-2023 , 15:41

Queries Used

create_post.php
1) Insert Query - Lines 108-109
2) Select Query - Line 78,84

feed.php
1) Select Query with join - Line 16, 36
2) Projection Query with join - 16
3) Aggregation with HAVING - Line 36-58
4) Division Query - 66-78

login.php
1) Projection - Line 31

post.php
1) Join - Line 29 , lines 45-47 and lines 139-142
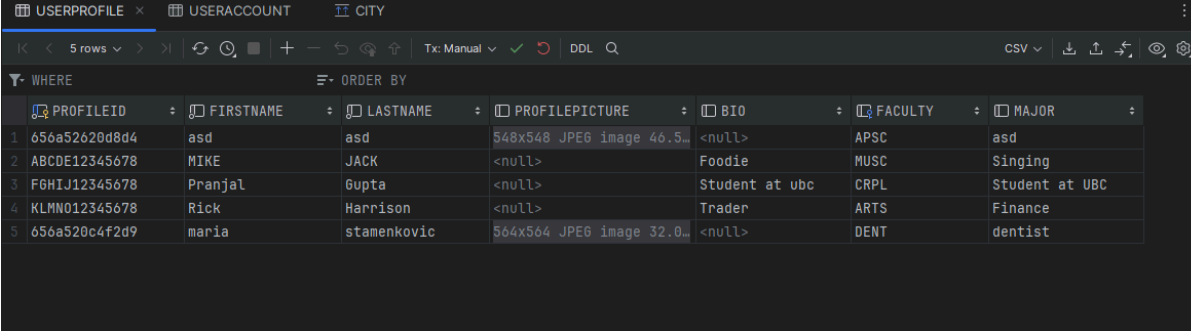2) Insert Query - Line 70-71
3) Projection - 92

profile.php
1) Join - Line 47
2) Update Query - Line 60
3) Delete Query - Line 74
4) Aggregation With Group by - Line 95-100 and Line 109
5) Nested Aggregation with GROUP BY - Line 104-110

register.php
1) Select Query - Line - 33
2) Projection - Line - 44, 53
3) Insert - Line 89, 105
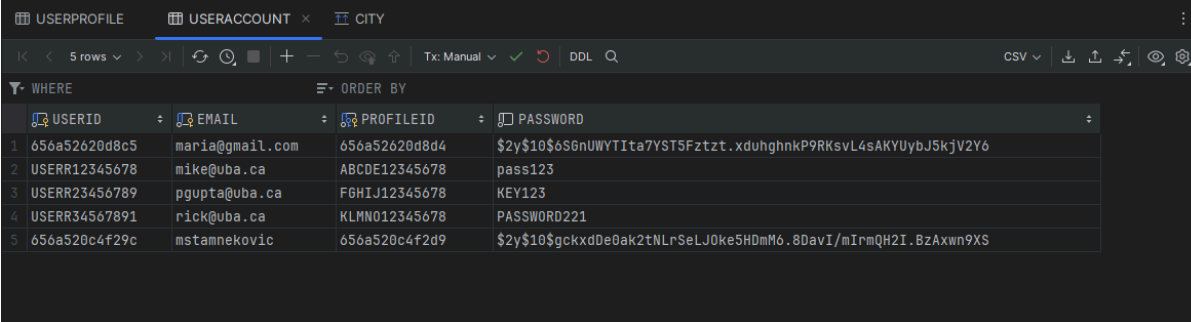
Screenshots:

- Insert: Creating an Account
  - Before:

- After:

Registration

First Name	Samuel
Last Name	Kim
Username (Email)	samuel@kim.com
Faculty	Science
Profile Picture	Choose File minji.jpg
Major	CPSC
Password	••••••

Sign Up

Already have an account? **Login**

USERPROFILE ×   USERACCOUNT   CITY

6 rows   Tx: Manual   DDL   Q   CSV

WHERE   ORDER BY

	PROFILEID	FIRSTNAME	LASTNAME	PROFILEPICTURE	BIO	FACULTY	MAJOR
1	656a52620d8d4	asd	asd	548x548 JPEG image 46.5…	<null>	APSC	asd
2	ABCDE12345678	MIKE	JACK	<null>	Foodie	MUSC	Singing
3	FGHIJ12345678	Pranjal	Gupta	<null>	Student at ubc	CRPL	Student at UBC
4	KLMN012345678	Rick	Harrison	<null>	Trader	ARTS	Finance
5	656a520c4f2d9	maria	stamenkovic	564x564 JPEG image 32.0…	<null>	DENT	dentist
6	656a56af7898f	Samuel	Kim	564x752 JPEG image 62.2…	<null>	SCIE	CPSC

USERPROFILE   USERACCOUNT ×   CITY

6 rows   Tx: Manual   DDL   Q   CSV

WHERE   ORDER BY

	USERID	EMAIL	PROFILEID	PASSWORD
1	656a52620d8c5	maria@gmail.com	656a52620d8d4	$2y$10$6SGnUWYTIta7YST5Fztzt.xduhghnkP9RKsvL4sAKYUybJ5kjV2Y6
2	USERR12345678	mike@uba.ca	ABCDE12345678	pass123
3	USERR23456789	pgupta@uba.ca	FGHIJ12345678	KEY123
4	USERR34567891	rick@uba.ca	KLMN012345678	PASSWORD221
5	656a520c4f29c	mstamnekovic	656a520c4f2d9	$2y$10$gckxdDeGak2tNLrSeLJOke5HDmM6.8DavI/mIrmQH2I.BzAxwn9XS
6	656a56af78986	samuel@kim.com	656a56af7898f	$2y$10$smaGBXOmZDsTQ31YgBDAHOGDMaYvtCkHCmor3thLeHW/TzRIUlbK2

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- Delete: Delete Posts
  - Before (Selected to delete Post 1 and Post 2)

- After:

- Update: Updating profile Bio
  - Before:

Samuel Kim

Faculty: SCIE

Major: CPSC

About Me

I love foodtalk! (I didn't write a bio yet)

Profile Statistics

Number of Posts: 0

Find Top Commenter

Edit Bio

I love foodtalk! (I didn't write a bio yet)

Update Bio
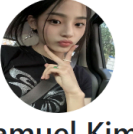
My Posts

Delete Selected Posts

- After:

- Projection: Filter Option for Feed by Name
    - Before:

    - After: (Selected to view posts by First Name: Rick and displaying Title and Rating only)

- Selection: (drop down menu)

- Before:

foodtalk.

Create a New Post

Title

Screenshot Post

Review

I am selecting a City

Image

Choose File | No file chosen

Rating (1-5)

3

City

Burnaby

| Burnaby |
| Coquitlam |
| Delta |
| Langley |
| New Westminster |
| Richmond |
| Surrey |
| Vancouver |

POST ×   USERPROFILE

4 rows   Tx: Manual   DDL   CSV

WHERE   ORDER BY

	POSTID	TITLE	RATING	TEXTREVIEW	CITY	POSTTIME	PROFILEID	POSTPHOTOTEMP
1	POSTT12345678	Food At Mercante	2	Food is not upto the mark	0001	28-03-2023	ABCDE12345678	image.jpg
2	POSTT23456789	Uncle Faiths	4	Food is very affordable	0002	21-06-2023	FGHIJ12345678	image2.jpg
3	POSTT34567891	Kinton Ramen	5	Food is quite good.	0001	7-01-2023	KLMNO12345678	image3.jpg
4	656a59c2e429d	Blue Chip Cafe	5	very good!	0004	2023-12-01 14:10:10	656a5860e5333	30085e0d70ef4ddbaf7e32

POST ×   CITY ×   USERPROFILE

8 rows   Tx: Manual   DDL

WHERE   ORDER BY

	CITYID	CITY	PROVINCE
1	0001	Vancouver	BC
2	0002	Surrey	BC
3	0003	Richmond	BC
4	0004	Burnaby	BC
5	0005	New Westminster	BC
6	0006	Langley	BC
7	0007	Coquitlam	BC
8	0008	Delta	BC

- After: (Burnaby Selected and shown in post)

POSTID	TITLE	RATING	TEXTREVIEW	CITY	POSTTIME	PROFILEID	POSTPHOTOTEMP
1	656a5ea3620f9	Screenshot Post	3	I am selecting a City	0004	2023-12-01 14:30:59	656a56af7898f	sashimi-salad.jpg
2	POSTT12345678	Food At Mercante	2	Food is not upto the mark	0001	28-03-2023	ABCDE12345678	image.jpg
3	POSTT23456789	Uncle Faiths	4	Food is very affordable	0002	21-06-2023	FGHIJ12345678	image2.jpg
4	POSTT34567891	Kinton Ramen	5	Food is quite good.	0001	7-01-2023	KLMN012345678	image3.jpg
5	656a59c2e429d	Blue Chip Cafe	5	very good!	0004	2023-12-01 14:10:10	656a5860e5333	30085e0d70ef4ddbaf7e32

Burnaby

Screenshot Post

★★★☆☆

656a56af7898f2023-12-01 14:30:59

I am selecting a City

Write your comment here...

Comment

Show Names

- Join: (Joined userProfile and comment to display user's name instead of profileID)

- Before:

- After: (pressed show names button)

- Aggregation with Group By: (Shows number of posts for user in profile)

- Aggregation with Having: Fillter by rating on feed (show posts greater than x stars)
    - Before:

Title	Rating	Review	Time Posted	City
Kinton Ramen	5	Food is quite good.	7-01-2023	Vancouver, BC
Food At Mercante	2	Food is not upto the mark	28-03-2023	Vancouver, BC
Uncle Faiths	4	Food is very affordable	21-06-2023	Surrey, BC
Screenshot Post	3	I am selecting a City	2023-12-01 14:30:59	Burnaby, BC
Blue Chip Cafe	5	very good!	2023-12-01 14:10:10	Burnaby, BC

- After: Posts with ratings greater than or equal to 4 stars

Title	Rating	Review	Time Posted	City
Kinton Ramen	5	Food is quite good.	7-01-2023	Vancouver, BC
Uncle Faiths	4	Food is very affordable	21-06-2023	Surrey, BC
Blue Chip Cafe	5	very good!	2023-12-01 14:10:10	Burnaby, BC

- Nested Aggregation with Group By: In profile, have a button which displays the user who has commented the most for that user
  - Before: User Two commented on Samuel Kim's post 4 times (most comments)

- After:

Samuel Kim

Faculty: SCIE

Major: CPSC

About Me

Screenshotting my bio

Profile Statistics

Number of Posts: 1

Find Top Commenter

Samuel Kim

Faculty: SCIE

Major: CPSC

About Me

Screenshotting my bio

Profile Statistics

Number of Posts: 1

Find Top Commenter

Top Commenter: User Two (Comments: 4)

- Division: (Find User who has Posting in all cities)
  - Before:

foodtalk.

Feed　Profile　Create Post　Log Out

Search by First Name: [　　　] Reviews with Rating (Out of 5): [Rating] ☑ Show Title ☑ Show Rating ☑ Show Review ☑ Show Time ☑ Show City [Search]

Find Users Posting in All Cities

Title	Rating	Review	Time Posted	City
Kinton Ramen	5	Food is quite good.	7-01-2023	Vancouver, BC
Food At Mercante	2	Food is not upto the mark	28-03-2023	Vancouver, BC
Uncle Faiths	4	Food is very affordable	21-06-2023	Surrey, BC
Vancouver	4	van	2023-12-01 15:11:51	Vancouver, BC
Surrey	4	s	2023-12-01 15:11:41	Surrey, BC
Richmond	3	r	2023-12-01 15:11:33	Richmond, BC
New west	2	new	2023-12-01 15:11:24	New Westminster, BC
Langley	4	l	2023-12-01 15:11:14	Langley, BC
delta	3	delta	2023-12-01 15:11:05	Delta, BC
coquitlam	2	c	2023-12-01 15:10:56	Coquitlam, BC
burnaby	1	b	2023-12-01 15:10:45	Burnaby, BC
Screenshot Post	3	I am selecting a City	2023-12-01 14:30:59	Burnaby, BC
Blue Chip Cafe	5	very good!	2023-12-01 14:10:10	Burnaby, BC

- After: (pressing button)

Search by First Name: [   ] Reviews with Rating (Out of 5): [Rating] ☐ Show Title ☐ Show Rating ☐ Show Review ☐ Show Time ☐ Show City [Search]

Find Users Posting in All Cities

Users Who Posted in All Cities

- Samuel Kim