CPSC 304 Project Cover Page

Milestone #: 4

Date: Apr 4, 2024

Group Number: 1

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
Ron Friedman	87518544	w9y4b	ron852719@icloud.com
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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

Link To Repo:

https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project_l9a0z_p5c5w_w9y4b

Link to SQL Initialization Script

https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project_l9a0z_p5c5w_w9y4b/blob/main/database_setup.sql

Project description:

Our project is a web application which allows users to share tutorials that they have created. These tutorials can be for software projects, or for hardware projects which may require materials and tools. Once shared, other users may leave feedback, in the form of ratings, comments, and images, on the tutorial. Users may also compile collections of tutorials, update these collections as they see fit, and send messages to one another. Moreover, users may search for projects based on arbitrary conditions, and access aggregate statistics about projects and users.

Schema differences

- As a list of completed projects is functionally identical to a wishlist of such projects, we
 have decided to eliminate the functionality for the completed projects list in favour of
 developing other distinct features
 - This removes the CompletesProject relation from the schema submitted in Milestone 2
- In order to facilitate inserting images from our SQL script, we have decided to change the ImageData columns in our Images_ContainsImages and Feedback_LeavesFeedback relations from a MEDIUMBLOB data type to MEDIUMTEXT. This enables transmitting images as plaintext, instead of binary data
- To correct a mistake from our previous schema, we have added numerical bounds to the lengths of VARCHAR data types

Relational Model schema

- Users(<u>Username</u>: VARCHAR(40), PasswordHash: CHAR(32), JoinDate: DATE, City:
 VARCHAR(40))
- City_Timezones(<u>City: VARCHAR(40)</u>, Timezone: INTEGER)
- Images_ContainsImages(<u>GalleryIndex</u>: INTEGER, ImageData: MEDIUMTEXT, Caption: VARCHAR(100), <u>PID</u>: INTEGER)
- Feedback_LeavesFeedback(<u>FBID</u>: INTEGER, Title: VARCHAR(60), Stars: TINYINT,
 Comment: VARCHAR(500), ImageData: MEDIUMTEXT, Timestamp: DATETIME,
 Username: VARCHAR(40), PID: INTEGER)
- Message_Sends(<u>MSID</u>: INTEGER, Text: VARCHAR(1000), Timestamp: DATETIME,
 SenderUsername: VARCHAR(40), ReceiverUsername: VARCHAR(40))
- ProjectWishlist_Creates(<u>WLID</u>: INTEGER, Name: VARCHAR(60), Username:
 VARCHAR(40))
- Equipment NeedsTools(*EID*: INTEGER, *PurchaseLink*: VARCHAR(100), *PID*: INTEGER)
- PurchaseLink_Name(*PurchaseLink*: VARCHAR(100), *Name*: VARCHAR(60))
- Materials_MadeWith(<u>MID: INTEGER</u>, Name: VARCHAR(60), Quantity: INTEGER,
 QuantityUnit: VARCHAR(10), PID: INTEGER)
- Projects_PostsProject(<u>PID</u>: INTEGER, Name: VARCHAR(60), InstructionText:
 VARCHAR(2500), Timestamp: DATETIME, Username: VARCHAR(40))
- Contains(<u>WLID</u>: INTEGER, <u>PID</u>: INTEGER)

Data Present After SQL Script

City_Timezones:

+	-+
City	Timezone
Berlin	1
Geneva	1
London	0
Quebec City	-4
Seattle	-7
Toronto	-4
Vancouver	-7
Victoria	-7
+	-+

Contains:

	 	
		PID
	1	1 2
į	3	2 3
	4	3 4
+-		++

Equipment_NeedsTools:

EID	PurchaseLink	PIC)
j 2	https://www.amazon.ca/hammer/s?k=hammer https://www.bestbuy.ca/en-ca/category/laptops-macbooks/20352 https://www.amazon.ca/b?ie=UTF8&node=15306831 https://www.homedepot.com/b/Tools-Hand-Tools-Screwdrivers-Nut-Drivers-Screwdrivers/N-5yc1vZc993	+ 1 3 4 5	-+ - - - -

Feedback_LeavesFeedback:

FBID	+ Title	Stars	Comment	ImageData	Timestamp	Username	PID
1	I hate this product	NULL	My wife left me because of these unclear instructions	NULL	2024-04-02 15:37:23	Michael Morbius	1 1
j 2	I'm confused	j 2	NULL	NULL	2024-04-02 15:37:23	Jacob Zhu	j 2 j
j 3	I'm Satisfied	NULL	My wife managed to follow these instructions	NULL	2024-04-02 15:37:23	Bob Jones	1 1
4	A picture	NULL	NULL	data:image/png;base64,iVBORw0KGgoAAAANSU	2024-04-02 15:37:23	Bob Jones	3
j 5	I'm moderately happy	j 4	NULL	NULL	2024-04-02 15:37:23	John Fubar	4
6	I'm very dissatisfied	1	NULL	NULL	2024-04-02 15:37:23	Jacob Zhu	4
7	I'm happy	5	NULL	NULL	2024-04-02 15:37:23	Future Fellow	4
8	Mid] 3	NULL	NULL	2024-04-02 15:37:23	Bob Jones	4
9	Pretty good	4	NULL	NULL	2024-04-02 15:37:23	Sally Jones	4
10	I'm Michael Morbius!	5	NULL	NULL	2024-04-02 15:37:23	Michael Morbius	4
11	Morbing out rn. 3/5.] 3	NULL	NULL	2024-04-02 15:37:23	Michael Morbius	1 1
12	Terrible!!!	1	NULL	NULL	2024-04-02 15:37:23	Sally Jones	1 1

Images_ContainsImage:

GalleryIndex	ImageData	+ Caption	++ PID
1 1 1 2 2	data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAANwAAADlCAMAAAAP8WnWAAAAilBMVEUAAAD39/f///7+/v19fXu7u70zs7Jycnq6urAwMD29vbn5+enp6 data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAADAAAAAlAQAAAAASYlcCAAAACklEQVR4AWMaBQAIHgIHYH2qggAAAABJRU5ErkJggg== data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAGAAAAIABAMAAAAGVsnJAAAAAXNSR0IArs4c6QAAACdQTFRF///9Pr+5/X+1u39wuT7rtv6mtP5hcn3br data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAADAAAAAlAQAAAAASYlcCAAAACklEQVR4AWMaBQAIHgIHYH2qggAAAABJRU5ErkJggg== data:image/png;base64, iVBORw0KGgoAAAANSUhEUgAAASwAAAACACAYAAACWuCNnAAAAYElEQVR42u3UAREAAAQESJdcdHI4W4hVMh2AA0pYgLAAhAUIC0BYAMICh	A Cat My House Twitter A Dog A Flat Tire	1 2 3 1 3 1 3

Materials_Madewith:

MID	Name	Quantity	QuantityUnit	PID
j 3	Wood Water PLA Filament Wood Wood	•	LBS L KG LBS LBS	1 2 3 4 5

Message_Sends:

+	MSID	Text	Timestamp	SenderUsername	ReceiverUsername	
-	3 4	Hello! Hi Jacob Check out my projects My wife left me because of your project. Hello world!	2024-04-02 15:37:23 2024-04-02 15:37:23 2024-04-02 15:37:23 2024-04-02 15:37:23 2024-04-02 15:37:23 2024-04-02 15:37:23	Bob Jones Michael Morbius Bob Jones	Sally Jones Jacob Zhu Jacob Zhu Michael Morbius Jacob Zhu	.

Projects_PostsProject:

-	PID	Name	InstructionText	+ Timestamp	+ Username	+
-		•	Arrange plants in an aesthetic way! Read the math textbook and finish the questions Take a walk outside! Use hammer to deconstruct drywall Build IKEA bed		Sally Jones Jacob Zhu Bob Jones	+
-	+			 	+	+

ProjectWishlist_Creates:

+	+	
WLID	Name	Username
2 3 4	Coding Project Interior Furnishing My TodoList Homework Research Hiking Preparation	Sally Jones Bob Jones Michael Morbius Sally Jones Jacob Zhu
T	T	, -

PurchaseLink_Name:

PurchaseLink	Name
https://www.amazon.ca/hammer/s?k=hammer https://www.bestbuy.ca/en-ca/category/laptops-macbooks/20352	Calculus Textbook Hammer Macbook Laptop Screwdrivers

Users:

Username	PasswordHash	JoinDate	City
Bob Jones	5f4dcc3b5aa765d61d8327deb882cf99	2024-04-02	Vancouver
Future Fellow	6104b739e435902b39b54085aa3953f9	2025-01-01	Quebec City
Jacob Zhu	faae576dc6a876e23fcb61cd03cff032	2024-04-02	Geneva
John Fubar	6134b81f81f5f52f023e9a56d7cd8cf2	2024-04-02	Seattle
Michael Morbius	6104b739e435902b40b54085aa3953f9	2024-04-02	Berlin
Sally Jones	b8bba2baae4c2a08fdff4e223458577d	2024-04-02	London

Queries

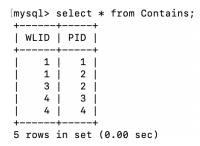
INSERT

File: api/add_project_to_wishlist.php

Line: 51 Link:

https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project 19a0z p5c5w w9y4b/blob/3044 0fb057d2141f5f223138c8b33c669bc7c99f/htdocs/api/add_project_to_wishlist.php#L51

Database before:

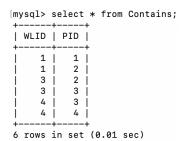


GUI during:



(insert operation occurs after user presses "ADD PROJECT" button; the tuple inserted references the Projects_PostsProject and ProjectWishlist_Creates tables, if the specified project does not exist, then an error message is thrown)

Database on success:



Error message on failure:

Specified project does not exist

My TodoList

Michael Morbius

Projects:

• Read Textbook

Take a walk

piect ID ADD PROJEC

DELETE

Send your wishlist to someone else!

New wishlist name Username of new wishli UPDATE WISHLIST

DELETE

File: api/delete_project.php

Line: 17 Link:

https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project_l9a0z_p5c5w_w9y4b/blob/main/htdocs/api/delete_project.php#L17

Database before:

PID Name	InstructionText	Timestamp	Username
1 Arrange Plants 2 Read Textbook 3 Take a walk 4 Tear down drywall 5 Construct bed	Arrange plants in an aesthetic way! Read the math textbook and finish the questions Take a walk outside! Use hammer to deconstruct drywall Build IKEA bed	2023-03-28 16:30:57 2023-08-10 12:30:50 2024-04-02 15:37:23 2024-04-02 15:37:23 2024-04-02 15:37:23	Sally Jones Jacob Zhu Bob Jones

GUI during:

Construct bed

By Michael Morbius

2024-04-02 15:37:23

Equipment:

• Screwdrivers

DELETE

(query occurs after user presses "DELETE" button)

Database after:

PID Name	InstructionText	Timestamp	Username
1 Arrange Plants 2 Read Textbook 3 Take a walk	Arrange plants in an aesthetic way! Read the math textbook and finish the questions Take a walk outside! Use hammer to deconstruct drywall	2023-03-28 16:30:57 2023-08-10 12:30:50 2024-04-02 15:37:23 2024-04-02 15:37:23	Sally Jones Jacob Zhu

Note: DELETE here also causes cascading deletions from tools, materials, and feedback associated with the project.

UPDATE

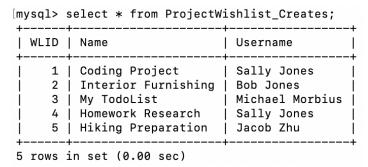
File: api/update wishlist.php

Line: 60 & 64 & 68

Link:

https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project l9a0z p5c5w w9y4b/blob/3044 0fb057d2141f5f223138c8b33c669bc7c99f/htdocs/api/update wishlist.php#L60

Database before:



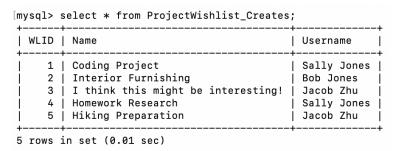
GUI during:

My TodoList

Wy Toublist	
Michael Morbius	DELETE
Projects:	
Read Textbook Take a walk	
	Project ID ADD PROJECT
	Send your wishlist to someone else!
	I think this might be intellulacob Zhu

(query occurs when user presses "update wishlist" button; either one or both of the Name or Username attributes can be changed - if the specified user does not exist, then an error message is thrown)

Database after:



Error message on failure:

Hello1

Michael Morbius

Projects:

Read Textbook			

Project ID ADD PROJECT

DELETE

Send your wishlist to someone else!

New wishlist name Username of new wishl UPDATE WISHLIST

Selection

File: api/search results.php

Line: 43-59 (query must be dynamically constructed based on user inputs)

Link:

https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project_l9a0z_p5c5w_w9y4b/blob/main/htdocs/api/search_results.php#L43

Database before:

PID Name	InstructionText	Timestamp	Username
1 Arrange Plants 2 Read Textbook 3 Take a walk 4 Tear down drywall 5 Construct bed	Arrange plants in an aesthetic way! Read the math textbook and finish the questions Take a walk outside! Use hammer to deconstruct drywall Build IKEA bed	2023-03-28 16:30:57 2023-08-10 12:30:50 2024-04-02 15:37:23 2024-04-02 15:37:23 2024-04-02 15:37:23	Sally Jones Jacob Zhu Bob Jones

GUI during:

SEARCH PROJECTS

Reminder: AND is always evaluated before OR.



SEARCH

(user can add arbitrarily many AND/OR, and run query with "SEARCH" button)

GUI after:

2 results:

PID	Name	Timestamp	Username
2	Read Textbook	2023-08-10 12:30:50	Sally Jones
5	Construct bed	2024-04-02 16:45:23	Michael Morbius

Projection

File: api/projection_results.php

Line: 38 Link:

https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project_l9a0z_p5c5w_w9y4b/blob/main/htdocs/api/projection_results.php#L38

Database before:

Username	PasswordHash	+ JoinDate	City
Bob Jones	5f4dcc3b5aa765d61d8327deb882cf99	2024-04-02	Vancouver
Future Fellow	6104b739e435902b39b54085aa3953f9	2025-01-01	Quebec City
Jacob Zhu	faae576dc6a876e23fcb61cd03cff032	2024-04-02	Geneva
John Fubar	6134b81f81f5f52f023e9a56d7cd8cf2	2024-04-02	Seattle
Michael Morbius	6104b739e435902b40b54085aa3953f9	2024-04-02	Berlin
Sally Jones	b8bba2baae4c2a08fdff4e223458577d	2024-04-02	London

GUI during:

COLUMN PROJECTION

Table:	Users	~
Colum	ns:	
Userna	me 🔽	
Passwo	ordHash 🗌	
JoinDa	ite 🔽	
City 🔽		
Submi	t Query	

(query is executed when user clicks "Submit Query")
GUI after:

Username	JoinDate	City
Bob Jones	2024-04-02	Vancouver
Future Fellow	2025-01-01	Quebec City
Jacob Zhu	2024-04-02	Geneva
John Fubar	2024-04-02	Seattle
Michael Morbius	2024-04-02	Berlin
Sally Jones	2024-04-02	London

(note: similar queries can be performed for any relation/attributes in the database)

<u>Join</u>

File: project_viewer.php

Line: 35 Link:

https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project_l9a0z_p5c5w_w9y4b/blob/main/htdocs/project_viewer.php#L35

Database before:

EID	PurchaseLink	PID
2 3	https://www.amazon.ca/hammer/s?k=hammer https://www.bestbuy.ca/en-ca/category/laptops-macbooks/20352 https://www.amazon.ca/b?ie=UTF8&node=15306831 https://www.homedepot.com/b/Tools-Hand-Tools-Screwdrivers-Nut-Drivers-Screwdrivers/N-5yc1vZc993	1 3 4 5

PurchaseLink Name	
1	į
https://www.amazon.ca/b?ie=UTF8&node=15306831 Calculus Textb https://www.amazon.ca/hammer/s?k=hammer https://www.bestbuy.ca/en-ca/category/laptops-macbooks/20352 Macbook Laptop https://www.homedepot.com/b/Tools-Hand-Tools-Screwdrivers-Nut-Drivers-Screwdrivers/N-5yc1vZc993 Screwdrivers	ok

PID	Name	InstructionText	Timestamp	Username
1 2 3 4	Arrange Plants Read Textbook Take a walk Tear down drywall Construct bed	Arrange plants in an aesthetic way! Read the math textbook and finish the questions Take a walk outside! Use hammer to deconstruct drywall Build IKEA bed	2023-03-28 16:30:57 2023-08-10 12:30:50 2024-04-02 16:45:23 2024-04-02 16:45:23 2024-04-02 16:45:23	Sally Jones Jacob Zhu Bob Jones

Tear down drywall

By **Bob Jones**

2024-04-02 16:45:23

Equipment:

Calculus Textbook

(Query happens on page load. PID in URL determines PID to join tables on. End result: equipment used on this project, and a link to it, is listed on the project page)

Aggregation with GROUP BY

File: index.php

Line: 11 Link:

https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project_l9a0z_p5c5w_w9y4b/blob/3044 0fb057d2141f5f223138c8b33c669bc7c99f/htdocs/index.php#L11

Database before:

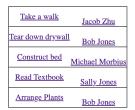
PID	Name	InstructionText	Timestamp	Username
1	Arrange Plants	Arrange plants in an aesthetic way!	2023-03-28 16:30:57	Bob Jones
2	Read Textbook Take a walk	Read the math textbook and finish the questions Take a walk outside!	2023-08-10 12:30:50 2024-04-02 16:30:39	Sally Jones Jacob Zhu
	Tear down drywall		2024-04-02 16:30:39	
	Construct bed	Build IKEA bed	2024-04-02 16:30:39	

CREATABLES

Logged in as Michael Morbius

LOG OUT

Recent projects:



SEARCH

COLUMN PROJECTION

INTERESTING STATS

Highest rated project:

<u>Take a walk</u> Rating: 3.67

<u>Tear down drywall</u> Rating: 3.67

Project counts by user:

Bob Jones : 2 Jacob Zhu : 1 Michael Morbius : 1 Sally Jones : 1

(Query happens on page load. All projects in Projects_PostsProject are grouped by Username and counted. End result: a summary of the number of guides each user has submitted)

Aggregation with HAVING

File: api/popular projects.php

Line: 9 Link:

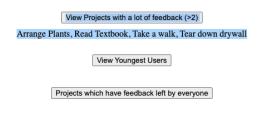
https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project_l9a0z_p5c5w_w9y4b/blob/main/htdocs/api/popular_projects.php#L9

Database before:

Start D. PID. Name. CONGAT(SUBSTR(InstructionText, 1, 16), '...') as InstructionText, 1, 16, '...'

In InstructionText, 1, 16, '.

Extra Info



RETURN HOME

(Query performed when the user presses "View Projects with a lot of feedback" button.

Projects_PostsProject and Feedback_LeavesFeedback are equi-joined on PID, and the number of pieces of feedback are counted for each project. Only those with over 2 pieces of feedback each are displayed. End result: a list of projects who each have at least 3 distinct pieces of feedback)

Nested aggregation with GROUP BY

File: index.php Line: 14 & 19

Link:

https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project_l9a0z_p5c5w_w9y4b/blob/main/htdocs/index.php#L14

Database before:

FBID	Title	Stars	Comment	ImageData	Timestamp	Username	PID
1	I hate this product	NULL	My wife left me because of these unclear instructions	NULL	2024-04-02 16:30:39	Michael Morbius	1
2	I'm confused	2	NULL	NULL	2024-04-02 16:30:39	Jacob Zhu	2
3	I'm Satisfied	NULL	My wife managed to follow these instructions	NULL	2024-04-02 16:30:39	Bob Jones	1 :
4	A picture	NULL	NULL	data:image/png;base64,iVBORw0KGg	2024-04-02 16:30:39	Bob Jones	1 :
5	I'm moderately happy	4	NULL	NULL	2024-04-02 16:30:39	John Fubar	1 4
6	I'm very dissatisfied	1	NULL	NULL	2024-04-02 16:30:39	Jacob Zhu	4
7	I'm happy	5	NULL	NULL	2024-04-02 16:30:39	Future Fellow	1 4
8	Mid	3	NULL	NULL	2024-04-02 16:30:39	Bob Jones	1 .
9	Pretty good	4	NULL	NULL	2024-04-02 16:30:39	Sally Jones	1
10	I'm Michael Morbius!	5	NULL	NULL	2024-04-02 16:30:39	Michael Morbius	1
11	I'm moderately happy	4	NULL	NULL	2024-04-02 16:30:39	John Fubar	
12	I'm very dissatisfied	1	NULL	NULL	2024-04-02 16:30:39	Jacob Zhu	İ
13	I'm happy	5	NULL	NULL	2024-04-02 16:30:39	Future Fellow	İ
14	Mid	3	NULL	NULL	2024-04-02 16:30:39	Bob Jones	İ
15	Pretty good	4	NULL	NULL	2024-04-02 16:30:39	Sally Jones	İ
16	I'm Michael Morbius!	5	NULL	NULL	2024-04-02 16:30:39	Michael Morbius	į .
17	Mid	3	NULL	NULL	2024-04-02 16:30:39	Bob Jones	İ
18	Pretty good	4	NULL	NULL	2024-04-02 16:30:39	Sally Jones	ĺ
19	I'm Michael Morbius!	5	NULL	NULL	2024-04-02 16:30:39	Michael Morbius	ĺ
20	Morbing out rn. 3/5.	3	NULL	NULL	2024-04-02 16:30:39	Michael Morbius	İ
21	Terrible!!!	1 1	NULL	NULL	2024-04-02 16:30:39	Sally Jones	İ

CREATABLES

Logged in as Michael Morbius

LOG OUT

Recent projects:



SEARCH

COLUMN PROJECTION

INTERESTING STATS

Highest rated project:

Take a walk Rating: 3.67

Tear down drywall Rating: 3.67

Total projects: 5

(Query happens on page load. Average star ratings per project are calculated from Feedback_LeavesFeedback, and then the maximum average star rating is selected. This is then used to find the PID(s) who have an average star rating equal to this maximum. End result: links to projects with a rating equal to the maximum rating are displayed)

Division

File: api/all_rated.php

Line: 9 Link:

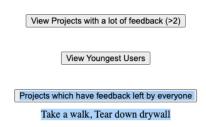
https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project l9a0z p5c5w w9y4b/blob/3044 0fb057d2141f5f223138c8b33c669bc7c99f/htdocs/api/all_rated.php#L9

Database before:

mysql> S	SELECT FBID, Title, Stars,	Comment	CONCAT(SUBSTR(ImageData, 1, 32), '') as ImageData,	Timestamp, Username, PID FROM Feedback	_LeavesFeedback;		
FBID	Title	Stars	Comment	ImageData	Timestamp	Username	PID
FBID	I hate this product I'm confused I'm Satisfied A picture I'm moderately happy	NULL 2 NULL NULL 4 1 5 3 4 1 5 5 4 1 5 5 6 6 6 6 6 6 6 6	Wy wife left me because of these unclear instructions NULL My wife managed to follow these instructions NULL NULL NULL NULL NULL NULL NULL NUL	Image/ara	1 1mestamp 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39	Username Michael Morbius Jacob Zhu Bob Jones Bob Jones John Fubar Jacob Zhu Future Fellow Bob Jones Sally Jones Sally Jones Michael Morbius John Fubar Jacob Zhu Future Fellow Bob Jones Bob Jones Bob Jones Bob Jones Bob Jones Bob Jones Bob Jones Bob Jones Bob Jones Bob Jones	·÷
15 16 17 18 19 20 21	Pretty good I'm Michael Morbius! Mid Pretty good I'm Michael Morbius! Morbing out rn. 3/5. Terrible!!!	4 5 3 4 5 3	NULL NULL NULL NULL NULL NULL NULL NULL	NULL NULL NULL NULL NULL NULL NULL NULL	2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39 2024-04-02 16:30:39	Sally Jones Michael Morbius Bob Jones Sally Jones Michael Morbius Michael Morbius Sally Jones	3 3 2 2 2 1

21 rows in set (0.00 sec)

Extra Info



RETURN HOME

(Query performed when the user presses "Projects which have feedback left by everyone" button. Projects are filtered according to those who have received feedback from everyone. In other words, projects who have not received feedback from at least one user are disqualified. End result: a list of projects who have received feedback from every user)