



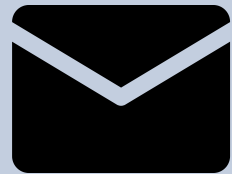
PORTFOLIO



TRAINEE / JUNIOR SOFTWARE QUALITY ENGINEER



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The User story I created myself

As a user, I would like to have information about my page activities so that I can track some changes and activities history. (Heart Icon)

Clarification letter

According to your requirements, you want to see the following functionality in our program:

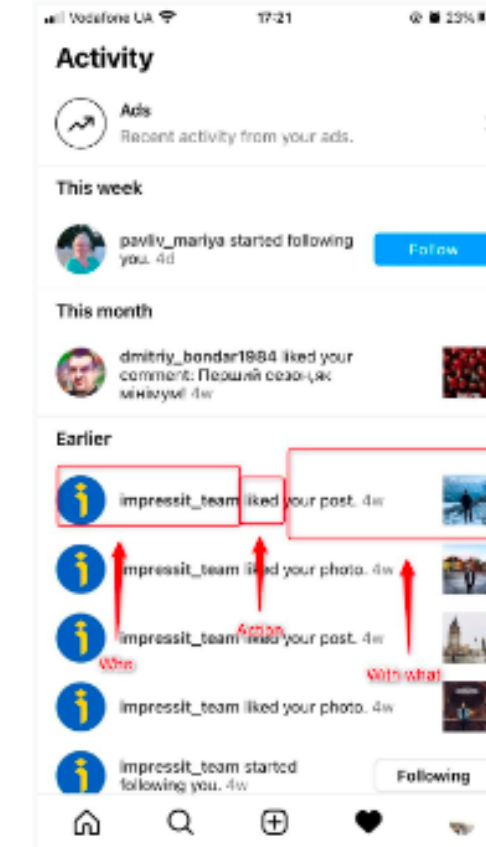
"As a user, I would like to have information about my page activities so that I can track some changes and activities history"(Heart Icon)

So we need to clarify some issues:

1)How do you want to see any information about activities on your account?

We recommended you get information as a notification (In this notification you can see "Who do something?", "What actually someone did ?", " With what happened to some activities?")

Here is our Mockup :



2) What type of information do you want to see in this chapter?

We recommend that in the chapter information will be displayed as a notification when someone Instagram's user will :

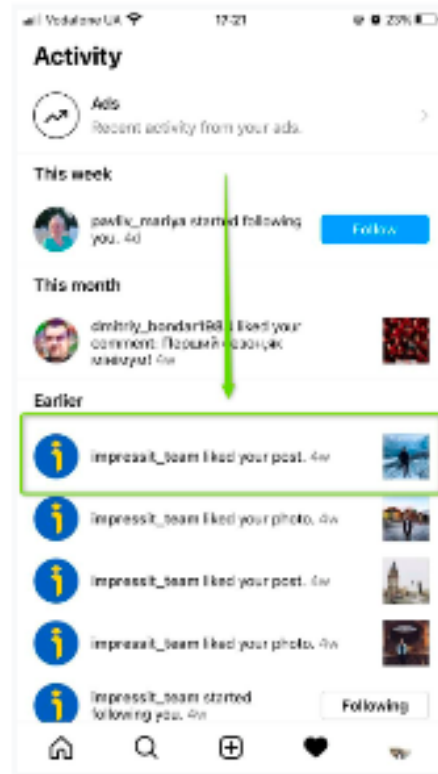
- like your post
- like your comment
- like your story
- like your reels

-like your video

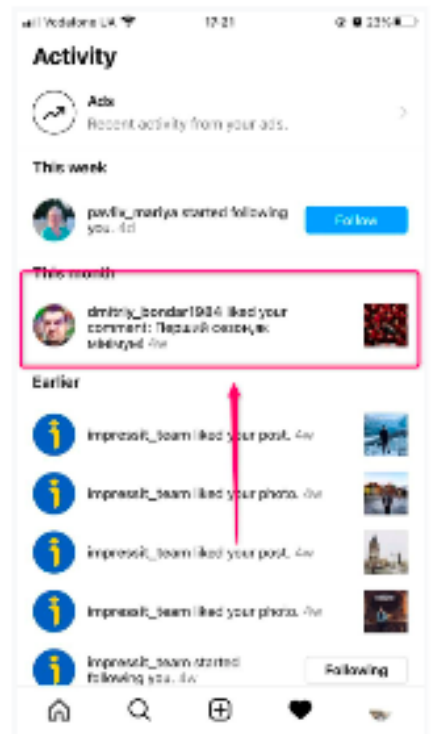
-start following you

Here we have some Mockups:

-Someone liked your post :

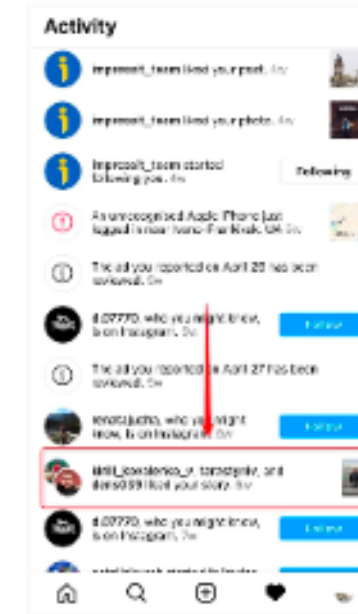


-Someone liked your comment:

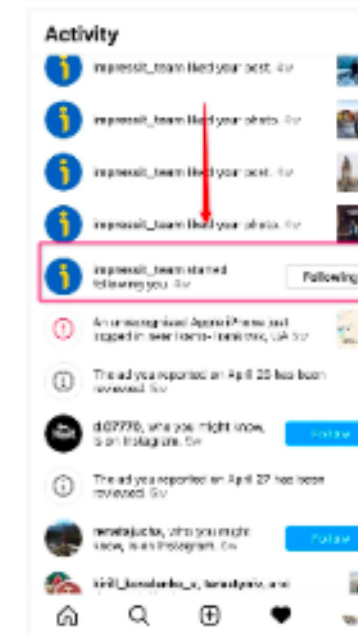


2

-Someone liked your story



-someone started following you :



3)What type of information do you want to see in this chapter?

We recommend that in the chapter information will be displayed as a notification if we get some messages from the system:

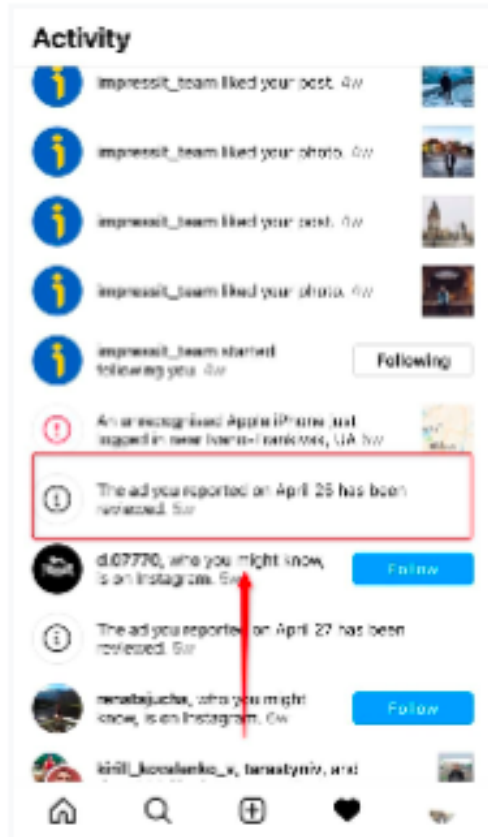
-the ad you reported on “...” has been reviewed

-an unrecognized logged inn

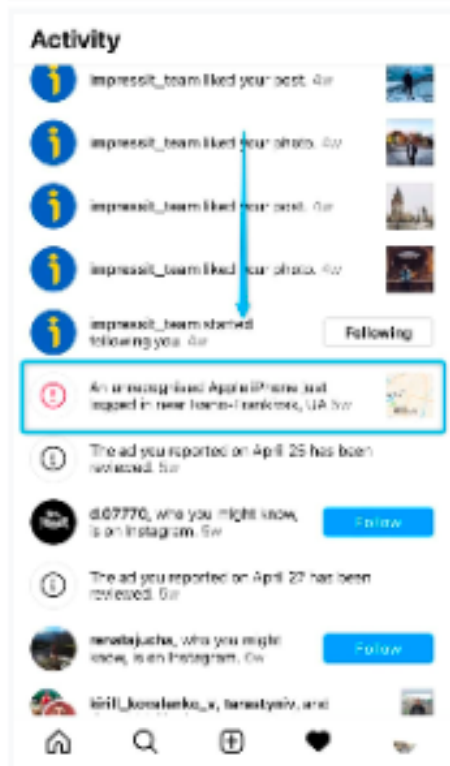
Here we have some Mockups:

3

-the ad you reported on “*Data*” has been reviewed:



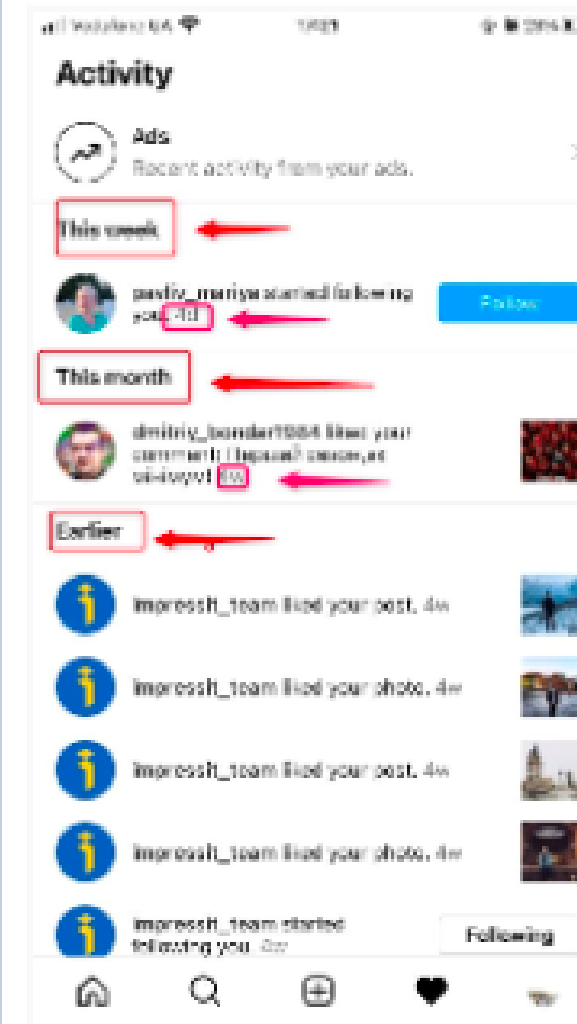
-an unrecognized “*Device* “ just logged inn near “*Location*” :



4

4)How do you want the information to be sorted?

We recommend you sort information from Newest to Earliest. And near every notification, you can see how long ago it was. Here is our Mockup:



Best Regards,
Ruslan Savchuk

5

User story

Projects / 4.0 Team-1 / Add epic / QC01-6

[Ruslan Savchuk][Instagram app] As a user, I would like to have information about my page activities so that I can track some changes and activities history.(Heart Icon)

Attach Add a child issue Link issue

Description • Unsaved changes

✓ Acceptance criteria:
Instagram/Home page /"Activity"

- A screen"Activity" will be added to the app.
- A screen " Activity " will be available after the user clicks on the "Heart" icon.
- The "Heart" icon will be placed in the bottom bar between the "Plus" button (on the left side) and the "User" icon (on the right side).

It displays information as a notification(In this notification user can see "Who did something?", "What someone did ?", "What is this activity related to?") about the user's page after clicking on the "Heart".
The section consists of notifications if other users:

- like user's picture/comment/story/reels/video.
- started following user

And if the user gets some messages from the system:

- the ad user reported on "Data" has been reviewed
- an unrecognised "Device " just logged in near "Location".

1

Information in the "Activity" screen is sorted from Newest to Earliest. And near every notification, the user can see how long ago it was.

Every notification consists of:

- The user's icon(s) (one or two) who did the activity last will be displayed on the left side.
- Text in the following order: name(s) of user(s) profile(s) and details about activity, mark how long it was ago . Mark consist of :
 - number
 - letters: "s","m","h","d","w" which means second(s),minute(s),hour(s),day(s),week(s).

Text will be displayed in the middle of the notification.

- Icon of content with what activity related OR "Follow" /"Following" buttons:
- Button "Follow" will be displayed if someone started the following user and the user doesn't not follow this profile. The button will be displayed:
 - Rectangular shape.
 - "#405DE6" colour.
 - Text "Follow" on the middle of the button.
- Button "Following" will be displayed if someone started the following user and the user does follow this profile. The button will be displayed:
 - Rectangular shape.
 - "#FFFFFF" colour.
 - Text "Following" on the middle of the button.

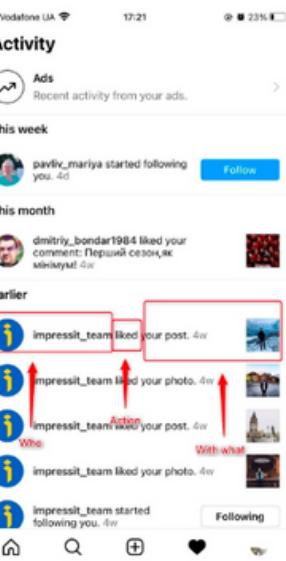
will be placed on the right side of the notification.

Screen "Activity" consist of:

- The header with the text "Activity" will be placed in the top left corner.
- Button "Ads" will be placed on the top of screen

2

- Given:** User is logged in Instagram app. Other users have interacted with the user's profile or/and the system sent messages to the user.
 - When:** User clicks on the "Heart" button.
 - Then:** Screen "Activity" is opened.
 - And:** The screen displays information as a notification. In this notification user can see "Who do something?", "What someone did ?", "With what is this activity related to?"(Check mockup #1)

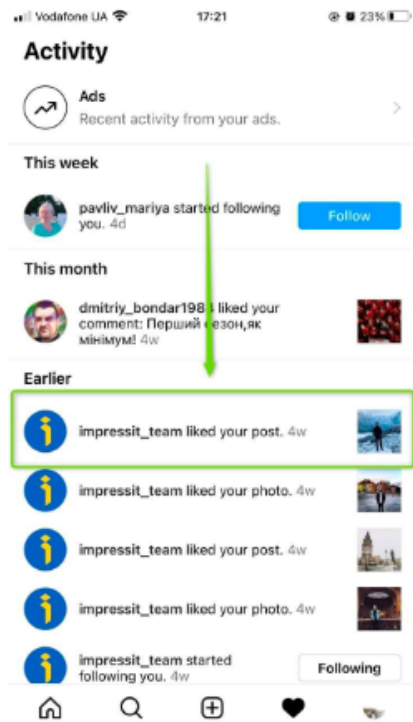


4

- Consists of: an icon (on the left side.) and the text "Recent activity from your ads" to the right of the icon.
- The section "New". Will be placed under the button "Ads".In this section will be displayed notification for the last 25minutes. If data of notification more 25 minutes then the notification will be moved to "Today".Consist of :
 - Header "New".
 - Notification of activities (Min quantity=1; Max quantity=5).
- The section "Today".Will be placed under the section " New".In this section will be displayed notification for the last 24 hours. If data of notification more 24 hours then the notification will be moved to "This week".Consist of :
 - Header "Today".
 - Notification of activities (Min quantity=1; Max quantity=5).
- The section "This week". Will be placed under the section " Today".In this section will be displayed notification for the last 7 days. If data of notification more 7 days then the notification will be moved to "This Month".Consist of :
 - Header "This week".
 - Notification of activities (Min quantity=1; Max quantity=5).
- The section "This month".Will be placed under the section " This week". In this section will be displayed notification for the last 31 days. From 8'th day until 31'th day. If data data of notification more than 31 days then the notification will be moved to "Earlier" ,Consist of:
 - Header " This month".
 - Notification of activities (Min quantity =1;Max quantity =5).
- The section "Earlier" will be placed under the section "This month". In this section will be displayed notification for the last 60 days. From 32'th day until 60'th day. Consist of:
 - Header " Earlier".
 - Notification of activities (Min quantity=1; Max quantity=5).

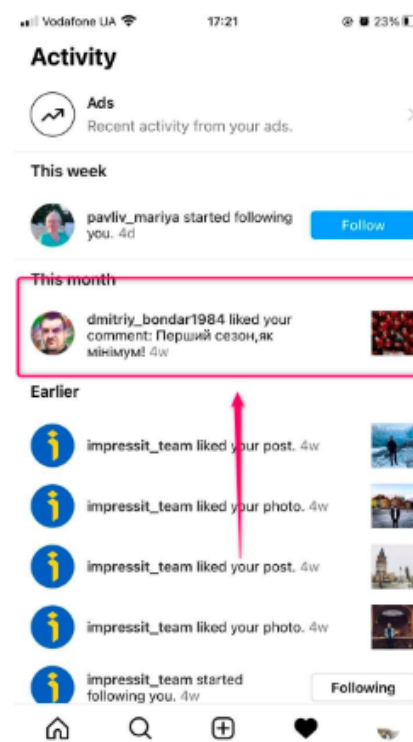
3

- **Given:** User is logged in Instagram app. Another user(s) liked the user's post.
 - **When:** User clicks on the "Heart" button.
 - **Then:** Screen "Activity" is opened.
 - **And: The screen**The screen displays information about another user(s) who liked the user's post as a notification. (check mockup #2)



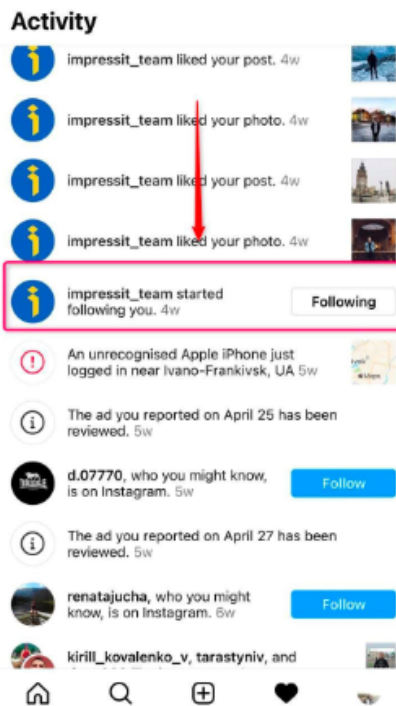
5

- **Given:** User is logged in Instagram app. Another user(s) liked the user's comment.
 - **When:** User clicks on the "Heart " button.
 - **Then:** Screen "Activity" is opened.
 - **And: The screen**The screen displays information about another user(s) who liked the user's comment as a notification. (check mockup #3)



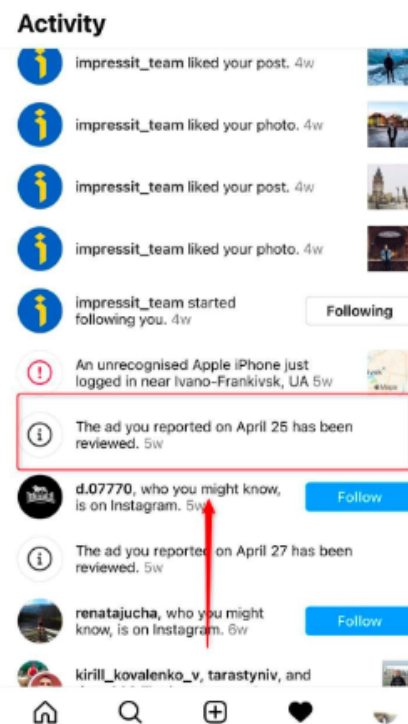
6

- **Given:** User is logged in Instagram app. Another user(s) started the following User.
 - **When:** User clicks on the "Heart" button.
 - **Then:** Screen "Activity" is opened.
 - **And:** Screen displays information about another user(s) who started the following User as a notification. (check mockup #5)



7

- **Given:** User is logged in Instagram app. Previously users reported about the ad.
 - **When:** User clicks on the "Heart " button.
 - **Then:** Screen "Activity" is opened.
 - **And:** The user gets a response from the system that "the ad user reported on "Data" has been reviewed" as a notification. (check mockup #6)



8

- Given: User is logged in Instagram app. The user's page was accessed through a non-default (for user) device.
 - When: User clicks on the "Heart" button.
 - Then: Screen "Activity" is opened".
 - And: The user gets a message from the system that "an unrecognised "Device " just logged in near "Location" as a notification. (check mockup #7)

Activity

impressit_team liked your post. 4w

impressit_team liked your photo. 4w

impressit_team liked your post. 4w

impressit_team liked your photo. 4w

impressit_team started following you. 4w

Following

An unrecognised Apple iPhone just logged in near Ivano-Frankivsk, UA 5w

The ad you reported on April 25 has been reviewed. 5w

d.07770, who you might know, is on Instagram. 5w

Follow

The ad you reported on April 27 has been reviewed. 5w

renatajucha, who you might know, is on Instagram. 6w

Follow

kirill_kovalenko_v, tarastyniv, and

9

- Given: User is logged in Instagram app. Other users have interacted with the user's profile or/and the system sent messages to the user.
 - When: User clicks on the "Heart" button.
 - Then: Screen "Activity" is opened. And: The screen displays information as a notification. Information is sorted from Newest to Earliest. And near every notification, the user can see how long ago it was. (Check mockup #8)

The screenshot shows the Instagram 'Activity' screen. At the top, there's a section for 'Ads' with a 'Recent activity from your ads.' link. Below this, there are three time filter buttons: 'This week', 'This month', and 'Earlier', each with a red box and an arrow pointing to it. The notifications list includes: 'pavliy_mariya started following you' (4d), 'dmitriy_bondar1984 liked your comment: Перший сезон, як мінімум!' (1w), and a series of likes from 'impressit_team' (4w). The bottom navigation bar shows icons for Home, Search, Post, Heart, and Profile.

10

Test Case

[Ruslan Savchuk#1]Verify that the system displays notifications when other user (s) liked your photo

Attach

Add a child issue

Link issue

Zephyr Actions

Test Details

Test Executions

Description

Preconditions:

1. User#1 and User#2 profiles are created on Instagram.

2. A minimum one photo is added and posted on User#1 profile.

Attachments (4)

Name

Size

Date added

#12.jpg

113 KB

10 Jul 2022 3:38pm

#11.jpg

146 KB

10 Jul 2022 3:06pm

#10.jpg

166 KB

10 Jul 2022 3:04pm

#9.jpg

137 KB

10 Jul 2022 2:57pm

Test Details					
Lite		Restore Default Size			
-	-	Шаг теста	Test Data	Test Result	Action
::	1	Open Instagram as User #2.			<div></div> <div></div>
::	2	Go to profile User #1.		Profile User #1 isopened by User #2	<div></div> <div></div>
::	3	Click on post(photo) User's #1.		System will display Post's window(check mockup #9)	<div></div> <div></div>
::	4	Click "Heart" icon under the post(photo) User #1 to like this photo.(check mockup #10).		The icon "Heart" will become red color(check mockup #11)	<div></div> <div></div>
::	5	Open Instagram as a User #1.			<div></div> <div></div>
::	6	Click on "Heart" icon in the bottom bar.		Screen "Activity" is opened.	<div></div> <div></div>
::	7	Verify as a User #1 that the notification displays on the screen "Activity" .		In the screen "Activity" displayed information as a notification that User #2 liked User #1 photo (check mockup #12)	<div></div> <div></div>

Checklist

Attach

Add a child issue

Link issue

Zephyr Actions

Test Details

Test Executions

Description • Unsaved changes

Add a description...

Linked issues

blocks

QC01-6

[Ruslan Savchuk][Instagram app] As a user, I would like to have information about my page activities so that I can track some changes and activities history.(Heart Icon)

DONE

is blocked by

QC02-14

The system displays 8 notifications in screen "Activity" when limit is 5

READY FOR REVIEW

1

Test Details

Lite

Restore Default Size

Add Step

Columns

		Шаг теста	Test Data	Test Result	Action
	1	Verify that header with text "Activity placed in top left corner.			
	2	Verify that every notification placed on following order: One or two icon(s) on the left side text and mark on the middle and button "Follow"/"Following".			
	3	Verify that every notification placed on following order: One or two icon(s) on the left side text and mark on the middle and icon of content with what activity related on the right side.			
	4	Verify that every activity records consist of: number letters: "s"(second(s)), "m"(minute(s)), "h"(hour(s)), "d"(day(s)), "w"(weak(s))...			
	5	Verify that button "Follow" displays as: Rectangular shape. "#405DE8" colour. Text "Follow" on the middle of the button.			
	6	Verify that button "Following" displays as: Rectangular shape. "#FFFFFF" colour. Text "Following" on the middle of the button.			
	7	Verify that Button "Ads" will be placed on the top of screen. And consists of: an icon (on the left side) and the text "Recent activity from your ads" to the right of the icon.			
	8	Verify that section(s) "Newest" ,"Today", "This week ", "This month" ,"Earlier" has no more than 5 notifications included			

2

Bug report

The system displays 8 notifications in screen "Activity" when limit is 5

 Attach  Add a child issue  Link issue 

Description

Section "Earlier" has 8 notifications when Limit =5 Check(Mockup #17)

Steps to reproduce:

1. Go to Instagram
2. Click on the "Heart" icon in the bottom bar
3. Scroll to the section "Earlier".

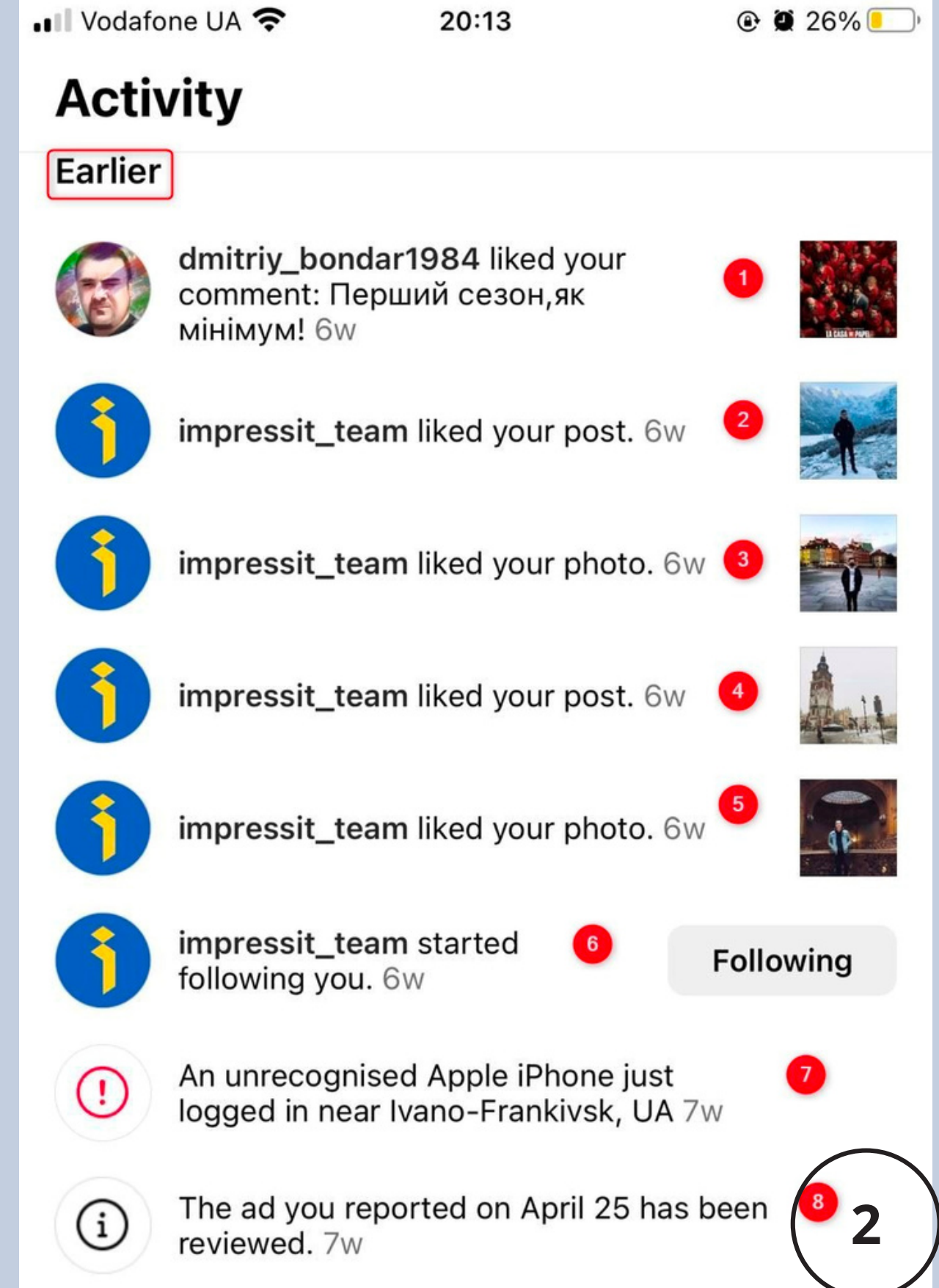
Expected result: Section "Earlier" has no more than 5 notifications.

Actual result: Section "Earlier" has 8 notifications

Priority: Low

Severity: Low

1



SQL

Ma

До списку модулів

SQL Basics / ORDER BY, LIMIT, DISTINCT

Пошук

Ruslan Savchuk

ОСНОВНІ ЗАДАЧІ

Get sorted dishes by weight and price

Get three youngest pupils

Get the oldest working staff

Get the youngest non-working staff

Дано таблицю `staff`:

staff						
id	first_name	last_name	sex	birth_date	pos	
1	Stepan	Shvets	male	1990-05-07	tea	
8	Yuriy	Dyachuk	male	1988-12-01	hea	

Потрібно знайти ім'я, прізвище та дату народження наймолодшого працівника, який звільнився з роботи.

sql_select_the_youngest_non_working_staff.sql

```
1 SELECT first_name,last_name,birth_date
2 FROM staff
3 WHERE date_of_dismissal IS NOT NULL
4 ORDER BY birth_date DESC
5 LIMIT 1
6
```

Результати

Молодець! Немає помилок.

5 414 всього запусків | 1 643 +1 з них вдалих

ТЕСТ 1 ПРОЙДЕНО

Згорнути

FIRST_NAME	LAST_NAME	BIRTH_DATE
Irina	Vakulich	1993-11-05

Ma

До списку модулів

SQL Basics / Functions

Пошук

Ruslan Savchuk

ОСНОВНІ ЗАДАЧІ

Дано таблиці `scoreboard` і `pupil`.

Знайдіть інформацію про середній бал по кожному предмету для учня з id 3.

Результат потрібно представити в колонці з назвою `pupil_mark` у наступному вигляді: `[first_name]`
`[last_name]: [subject] - [average mark]`.

Приклад:
Eugen Tsven: Geography - 10
Eugen Tsven: Math - 10
Eugen Tsven: History - 9
Eugen Tsven: Economics - 11
...

pupil						
id	first_name	last_name	sex	birth_date	mot	
1	Eugen	Tsven	male	2000-12-01	+38	
10	Inna	Kostenko	female	2009-10-15	+38	

scoreboard				
id	pupil_id	subject	mark	semester
4	1	Geography	10	FIRST SEMESTER
167	10	Math	9	SECOND SEMESTER

sql_select_formatted_info_about_mark_for_pupil.sql

```
1 SELECT CONCAT(first_name, ' ',last_name,':',' ',subject,' ','-',',' ',AVG(mark))AS pupil_mark
2 FROM pupil
3 INNER JOIN scoreboard
4 ON pupil.id=scoreboard.pupil_id
5 WHERE pupil.id=3
6 GROUP BY subject
```

Результати

Молодець! Немає помилок.

24 395 всього запусків | 1 166 +1 з них вдалих

ТЕСТ 1 ПРОЙДЕНО

Згорнути

PUPIL_MARK
Anna Ivaniuk: Biology - 10
Anna Ivaniuk: Economics - 9
Anna Ivaniuk: English - 7
Anna Ivaniuk: Geography - 10

Ma

До списку модулів

SQL Basics / HAVING

Пошук

Ruslan Savchuk

▶

ОСНОВНІ ЗАДАЧІ

◀

ВІДЕО

ТЕОРІЯ

ПРАКТИКА

Дано таблиці `category` і `product`.

Знайдіть назву категорії та ціну найдорожчого товару з цієї категорії, лише у випадку, якщо до категорії належить 3 і більше товарів. Відсортуйте результат за ціною у зростаючому порядку.

Результат повинен містити наступні колонки:

`category_name`, `max_price`.

id	name
2	Seafood
4	Grains

id	name	amount	price	category_id
2	Shrimp	50	450	2
8	Flour	20	60	4

👍

🗨️

✓ Get total salary by department

🔍 Поставити запитання

sql_select_the_most_expensive_product_by_category.sql

```
1 SELECT category.name AS category_name, MAX(product.price) AS max_price
2 FROM category
3 INNER JOIN product
4 ON category.id=product.category_id
5 GROUP BY category.name
6 HAVING COUNT(product.id)>=3
7 ORDER BY max_price
```

Результати

✓ Молодець! Немає помилок.

17 748

1 127 +1

ВСЬОГО ЗАПУСКІВ

З НИХ ВДАЛИХ

✓ ТЕСТ 1 ПРОЙДЕНО

Згорнути

CATEGORY_NAME	MAX_PRICE
Grains	99
Beverages	168
Meat	475
Seafood	670

🔍 Повідомити про помилку

Ma

До списку модулів

SQL Basics / JOIN

Пошук

Ruslan Savchuk

▶

ОСНОВНІ ЗАДАЧІ

◀

ВІДЕО

ТЕОРІЯ

ПРАКТИКА

Дано таблиці `department` і `employee`.

Відобразіть назву відділу та кількості працівників у кожному з відділів.

Результат повинен містити наступні колонки:

- назву відділу: `department_name`
- кількість працівників: `number_of_employees`

Примітки:

- результат не повинен включати відділи, де немає працівників
- не забудьте згрупувати результати по одному зі стовпців з вашого `SELECT`
- це завдання можна виконати, не використовуючи сортування

id	name	budget
1	Marketing	200000
8	Recruiting	750000

id	first_name	last_name	department_id	hiring_date
1	Steven	King	1	2019-12

🔍 Поставити запитання

sql_select_number_of_employees_for_each_department.sql

```
1 SELECT department.name AS department_name ,COUNT(employee.id) AS number_of_employees
2 FROM department
3 INNER JOIN employee
4 ON department.id=employee.department_id
5 WHERE employee.department_id IS NOT NULL
6 GROUP BY department.name
7
```

Результати

✓ Молодець! Немає помилок.

9 257

1 288 +1

ВСЬОГО ЗАПУСКІВ

З НИХ ВДАЛИХ

✓ ТЕСТ 1 ПРОЙДЕНО

Згорнути

DEPARTMENT_NAME	NUMBER_OF_EMPLO
Finance	4
Human Resources	3
IT	5

🔍 Повідомити про помилку

Ma

До списку модулів

SQL Basics / Aliases

Пошук

Ruslan Savchuk

▶

ОСНОВНІ ЗАДАЧІ

ВІДЕО

✓ Alias (Quiz)

✓ Get subjects begin with letter

✓ Get the three most expensive dishes

ТЕОРІЯ

ПРАКТИКА

Дано таблицю dish :

dish				
id	name	price	weight	calories
1	Baked potato	30	200	300
10	Omelette	85	180	190

Відобразить id, назву та ціну трьох найдорожчих страв.

Ваше рішення повинно містити три стовпці: dish_id , dish_name та dish_price .

👍

🗨

✓ Get the oldest book

Поставити запитання

sql_select_three_most_expensive_dishes.sql

```
1 SELECT id AS dish_id,name AS dish_name ,price AS dish_price
2 FROM dish
3 ORDER BY price DESC
4 LIMIT 3
5
```

Результати

✓ Молодець! Немає помилок.

3 992

1 620 +1

ВСЬОГО ЗАПУСКІВ

З НИХ ВДАЛИХ

✓ ТЕСТ 1 ПРОЙДЕНО

Згорнути

DISH_ID	DISH_NAME	DISH_PRICE
6	Fish pie	125
12	Dumplings	120
13	Gingerbread	115

Повідомити про помилку

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До списку модулів

SQL Basics / Aggregate functions

Пошук

Ruslan Savchuk

▶

ОСНОВНІ ЗАДАЧІ

ВІДЕО

✓ Get number of pupils with father phone

✓ Get number of working staff

ТЕОРІЯ

ПРАКТИКА

Дано таблицю staff :

staff					
id	first_name	last_name	sex	birth_date	pos
1	Stepan	Shvets	male	1990-05-07	tea
8	Yuriy	Dyachuk	male	1988-12-01	hea

Знайдіть кількість працівників, які:

• все ще працюють на роботі

• мають посаду teacher

• отримують заробітну плату 9000 чи більше

Результуючій колонці задати тимчасову назву - number_of_staff .

👍

🗨

✓ Get number of subjects begin with letter

Поставити запитання

sql_select_number_of_working_staff_by_salary_and_position.sql

```
1 SELECT COUNT(id) AS number_of_staff
2 FROM staff
3 WHERE date_of_dismissal IS NULL
4 AND position = 'teacher'
5 AND salary >=9000
6
```

Результати

✓ Молодець! Немає помилок.

6 261

1 533 +1

ВСЬОГО ЗАПУСКІВ

З НИХ ВДАЛИХ

✓ ТЕСТ 1 ПРОЙДЕНО

Згорнути

NUMBER_OF_STAFF
6

Повідомити про помилку



THANK YOU!