Innopolis Library Media Keeper

Delivery 4

25.04.2018
Introduction to programming II

Delivery tasks

D1

- ☒ Implement **Users** and **Documents** cards;

- ☒ Implement **Booking** system.

D2

- ☒ Implement actions with cards (modify, delete, add);

- ☒ Implement **Return** system;

- ☒ Implement Storage System;

D3

- ☒ Implement **Fine** and **Renew** subsystems;

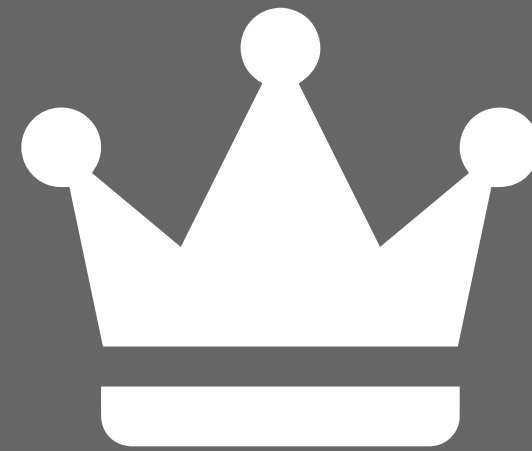- ☒ Implement **Queues**.

D4

- ☐ Implement **Search engine**;

- ☐ Implement **Admin**;

- ☐ Implement **Logs**.

Goals for this delivery:

☐ Implement **Search** engine;

☐ Implement **Admin**;

☐ Implement **Logs**;

Search system

Now Users can search for medias they want, not scroll through all the medias. Search supports search by Title, Authors, Keywords, Publisher and Type
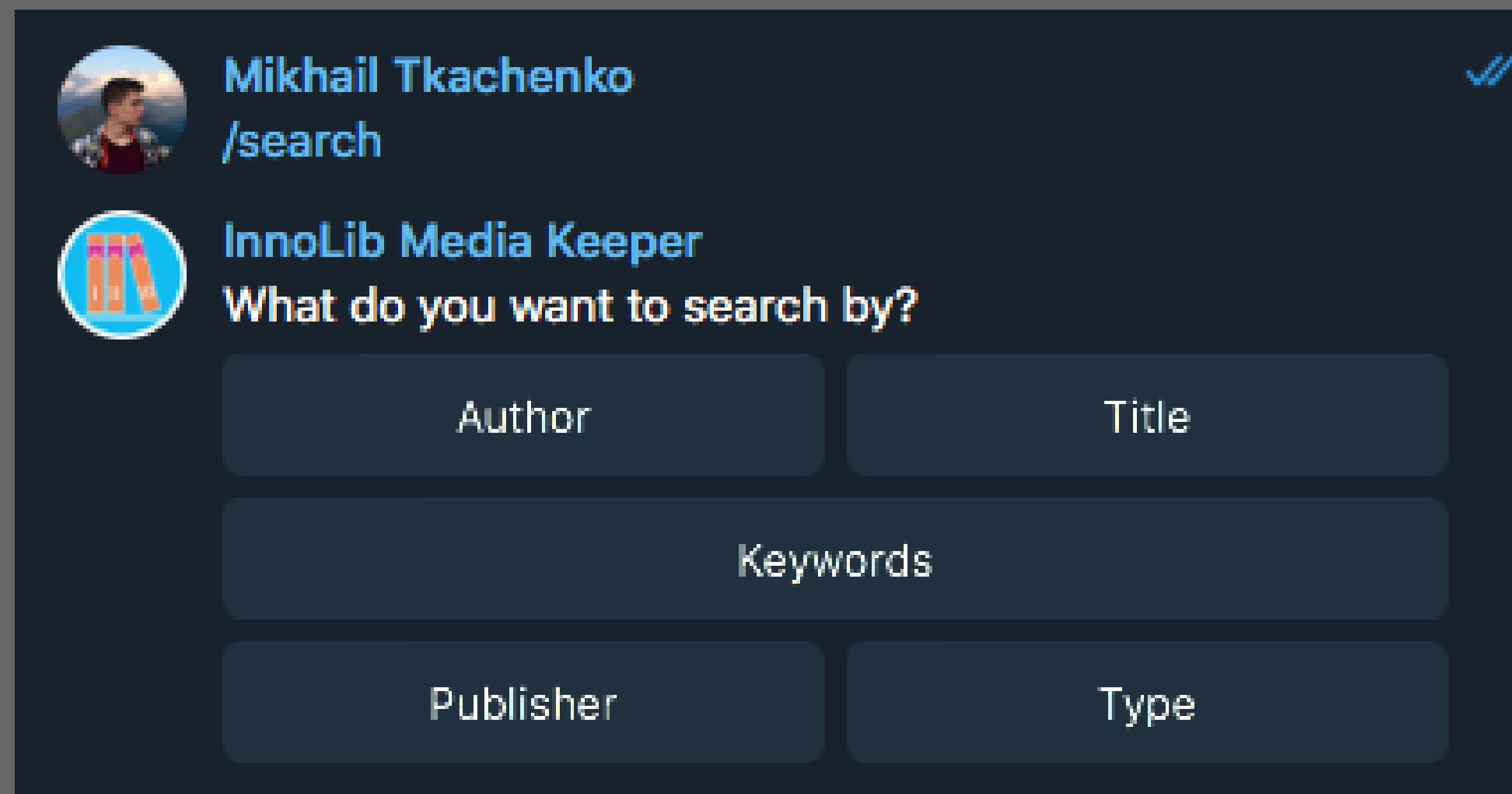
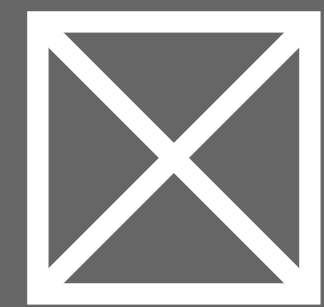What do you want to search by?

Author Title

Keywords

Publish Type

Mikhail Tkachenko
/search

InnoLib Media Keeper
What do you want to search by?

Author	Title
Keywords	
Publisher	Type

User calls */search* command

Bot asks User how to search

Innopolis University Media Keeper, Spring 2018 semester

Goals for this delivery:
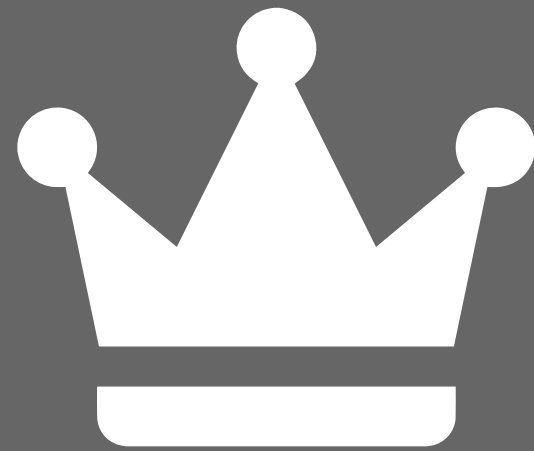
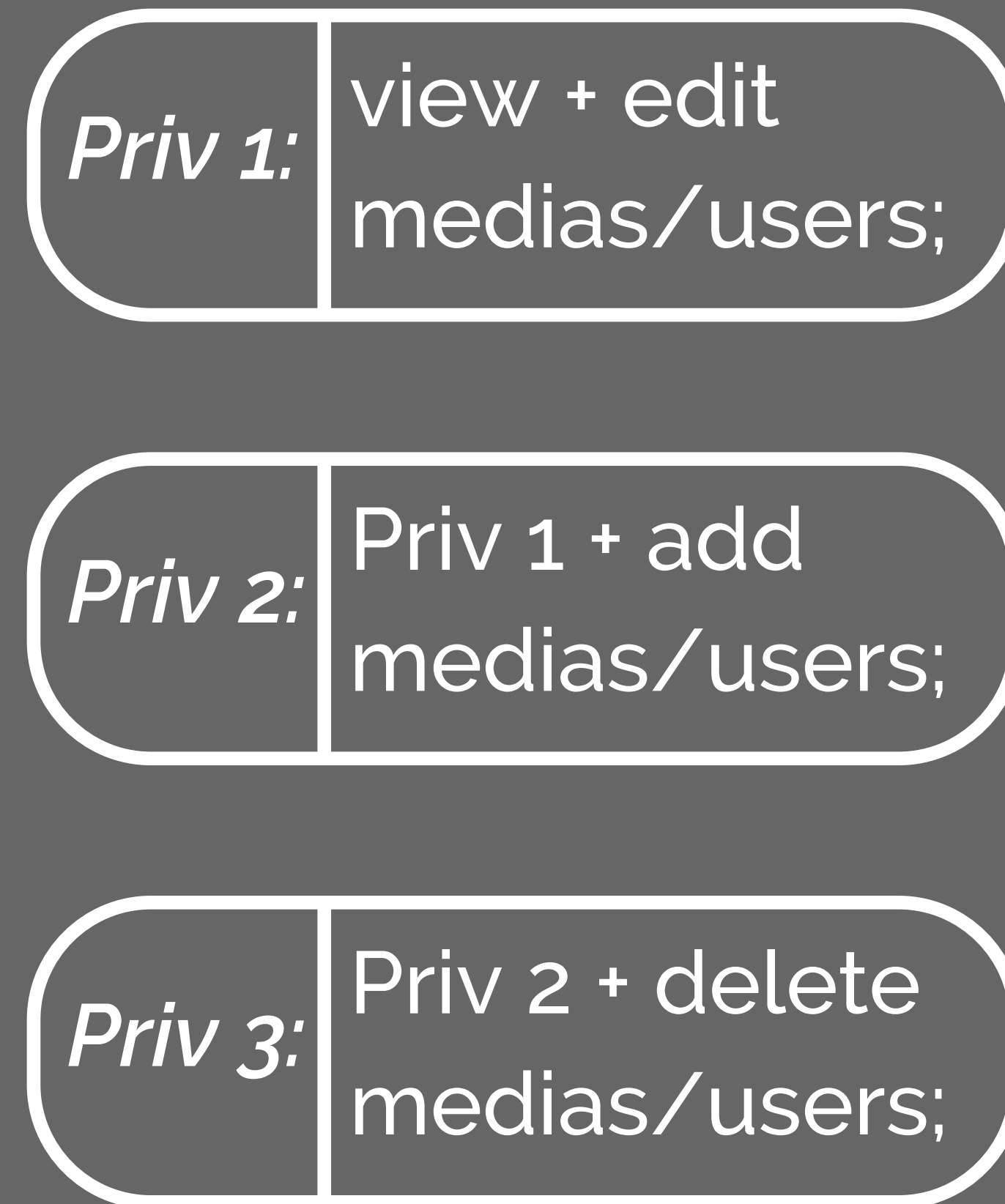- ☒ Implement **Search** engine;
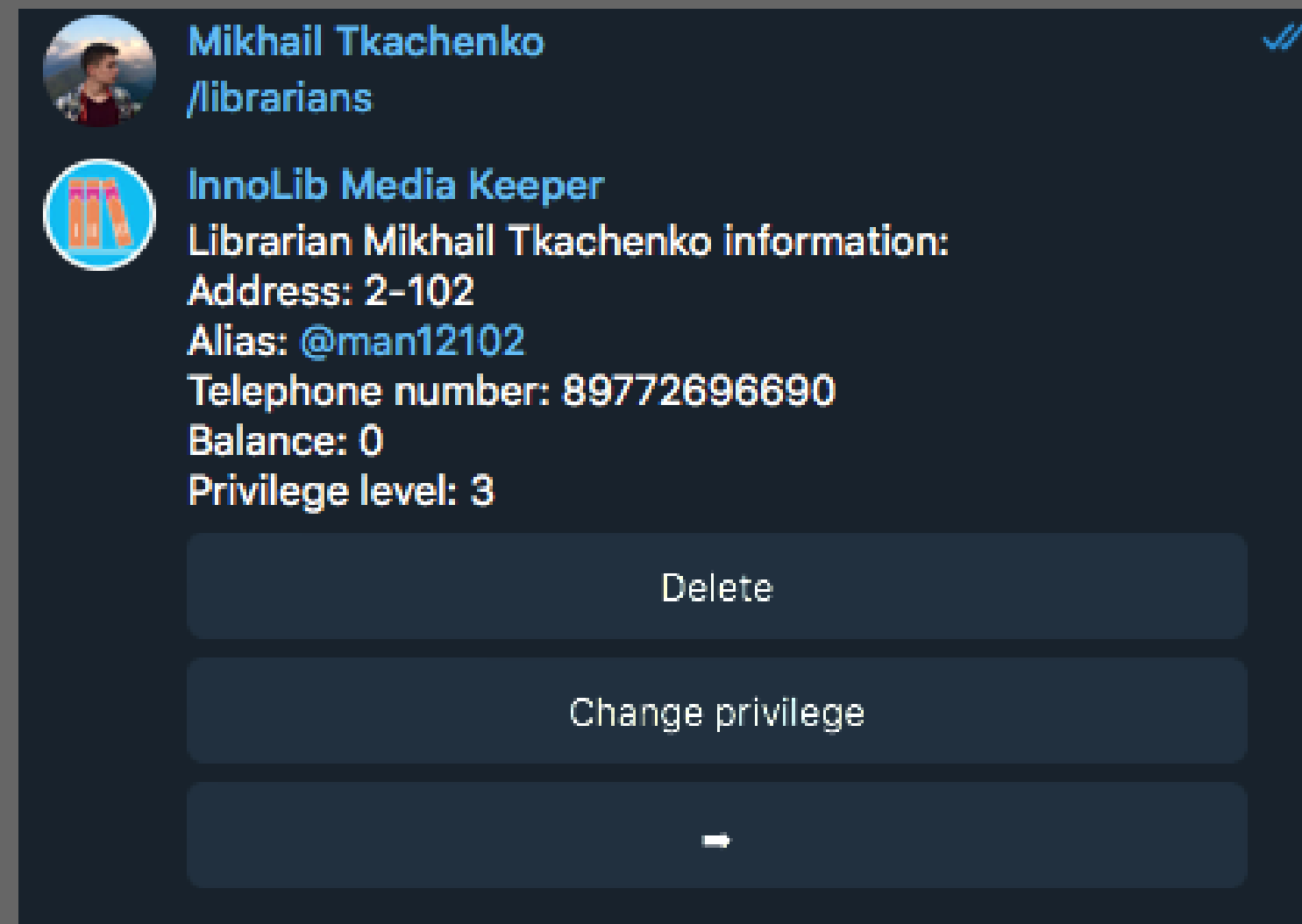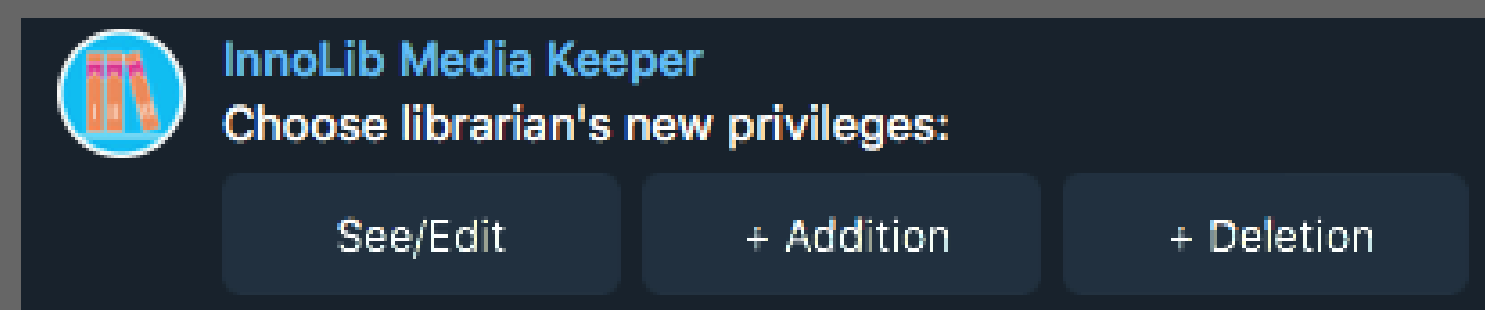- ☐ Implement **Admin**;
- ☐ Implement **Logs**;

Admin & Librarians

This delivery introduces Admin, the Owner of Library. ADmin can manage Librarians and change their priviledges
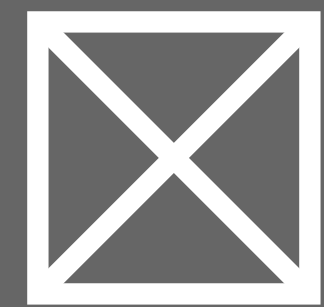
Priv 1: view + edit medias/users;

Priv 2: Priv 1 + add medias/users;

Priv 3: Priv 2 + delete medias/users;

Admin calls */librarians* command to view all librarians and info about them

Admin can change Librarians' priviledges

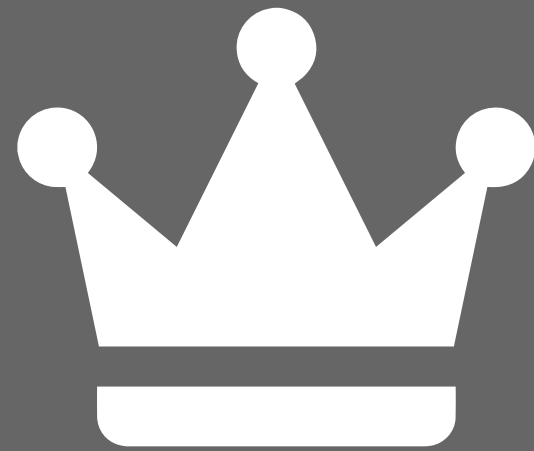Innopolis University Media Keeper, Spring 2018 semester

Goals for this delivery:

- ☒ Implement **Search** engine;
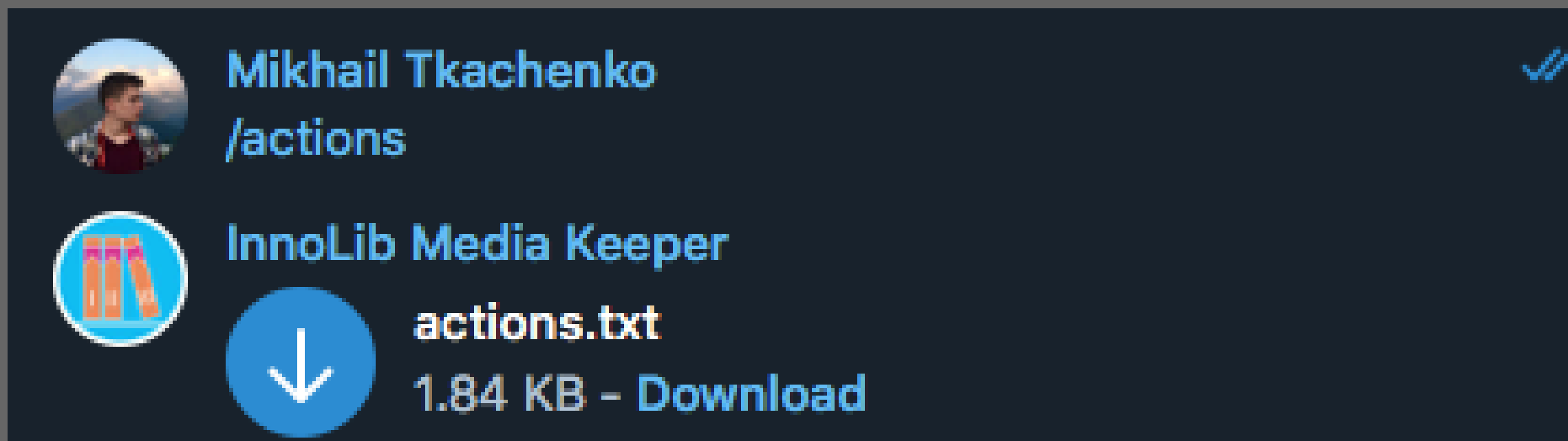
- ☒ Implement **Admin**;

- ☐ Implement **Logs**;

Logs

/actions

All actions inside Library are now saved into Log. If Librarian wants to get it, they just need to send /actions command.

actions.txt

23 Apr 2018 | Admin 1 has added librarian #1
23 Apr 2018 | Admin 1 has added librarian #2
23 Apr 2018 | Admin 1 has added librarian #3
23 Apr 2018 | Librarian#2 has added media #1
...

Librarian asked for actions list

Bot sends a file with compilation of all actions happened during work.

```
24 Apr 2018 | Admin 1 has added librarian #1011
24 Apr 2018 | Admin 1 has added librarian #1110
24 Apr 2018 | Admin 1 has added librarian #1100
24 Apr 2018 | Admin 1 has added librarian #324148065
24 Apr 2018 | 56069837 has deleted rights for librarian #1011
24 Apr 2018 | 56069837 has deleted rights for librarian #1110
24 Apr 2018 | 56069837 has deleted rights for librarian #1100
24 Apr 2018 | User#56069837 has booked media #1-1
24 Apr 2018 | 56069837 tried to book already taken media #1
24 Apr 2018 | 56069837 has placed a return request for media #1-1
24 Apr 2018 | User#239514818 has booked media #2-1
24 Apr 2018 | 239514818 has placed a return request for media #2-1
24 Apr 2018 | 56069837 has deleted user #239514818
24 Apr 2018 | 56069837 approved registry request for239514818
```
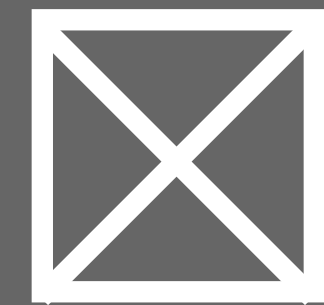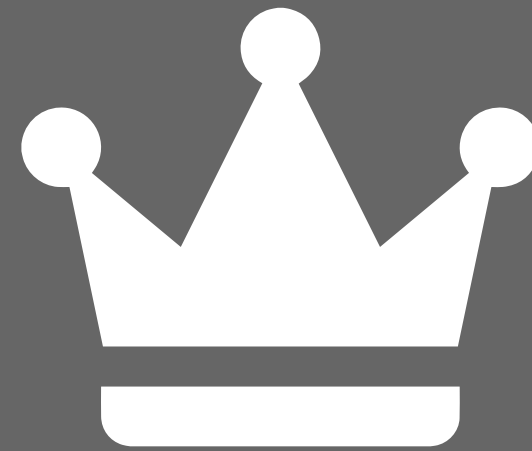
Example of actions.txt

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Goals for this delivery:
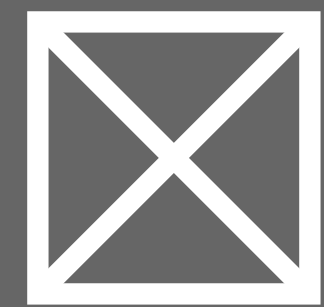
☒ Implement **Search** engine;
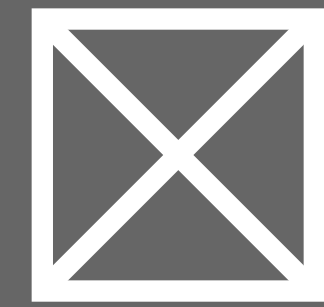
☒ Implement **Admin**;

☒ Implement **Logs**;

Tests

All tests are successfully passed. Understandable code - easy tests.

Passed tests:
All

The end?