

מבני נתונים בקוד:

- מילון {מזהה משתמש (id): token} - עבור ביצוע פעולות עם הזדהות באמצעות token
 - 2 המילונים מטה ישמשו להקצאת Token עבור משתמשים חדשים.
 - מילון {ID : token}
 - מילון { ID : אימייל}
- Email -> ID -> Token

Auth

Route משלו

מתודות של auth :

1. יצירה של משתמש חדש.

Resource	http://localhost:2718/auth/signin
Method	post
Authenticated	No
Request Body	<pre>{ "name": "tal", "password": "tal", "email": "tal@gmail.com" }</pre>
Returns	<pre>{ "user": { "id": 15, "name": "tal", "posts": [] }, "msg": "user created" }</pre>
On Error	400 Bad Request, 500 Internal Server Error

2. התחברות של משתמש.

Resource	http://localhost:2718/auth/login
Method	post
Authenticated	No
Request Body	<pre>{ "name": "tal", "password": "tal" }</pre>
Returns	<pre>{ "token" : "gvsvdfvfdvdafdfa", "msg" : "You sign in" }</pre>
On Error	400 Bad Request, 500 Internal Server Error

3. התנתקות של משתמש.

Resource	http://localhost:278/auth/logout
Method	post
Authenticated	Yes
Request Body	
Returns	<pre>"msg": "tal Logout successfully"</pre>
On Error	500 Internal Server Error

Admin

Route-משלו

מתודות של admin :

1. לראות את כל המשתמשים (created אבל עוד לא active)

Resource	http://localhost:2718/admin/users
Method	get
Authenticated	Yes
Request Body	<pre>{ "status": "active" }</pre>
Returns	<pre>{ "list_of_users": [{ "id": 1, "name": "Root", "status": "active", "Posts": [], "creation": "Mon Dec 27 2021 18:30:23 GMT+0200 (Israel Standard Time)" }, { "id": 6, "email": "Refaelr93@gmail.com", "name": "Dani", "status": "active", "Posts": [], "creation": "Fri Dec 31 2021 13:24:24 GMT+0200 (Israel Standard Time)" }, { "name": "tal", "email": "tal@gmail.com", "id": 15, "status": "active", "date": "Sat Jan 01 2022 16:08:39 GMT+0200 (Israel Standard Time)", "Posts": [] }], "msg": "Get all active users successfully" }</pre>
On Error	400 Bad Request, 500 Internal Server Error

2. לאשר משתמש לפי ID של המשתמש

Resource	http://localhost:2718/admin/confirmation/<id_of_the_wanted_user>
Method	post
Authenticated	Yes
Request Body	None
Returns	<pre>{ "user_activated": { "name": "tal", "email": "tal@gmail.com", "id": 15, "password": "\$2b\$10\$.gVXs9E1FvUagQ7XZ6yGnOisKF2iax9j9iAU/GqWBHFEPLVvppgUK", "status": "active", "date": "Sat Jan 01 2022 16:08:39 GMT+0200 (Israel Standard Time)", "posts": [] }, "msg": "The login request has been approved by admin." }</pre>
On Error	400 Bad Request, 500 Internal Server Error

3. להשהות משתמש לפי ID של המשתמש

Resource	http://localhost:2718/admin/mode/{:id}
Method	post
Authenticated	Yes
Request Body	<pre>{ "new_mode": "suspended" }</pre>
Returns	<pre>{ "user": { "name": "tal", "email": "tal@gmail.com", "id": 15, "password": "\$2b\$10\$.gVXs9E1FvUagQ7XZ6yGnOisKF2iax9j9iAU/GqWBHFEPLVvppgUK", "status": "suspended", "date": "Sat Jan 01 2022 16:08:39 GMT+0200 (Israel Standard Time)", "posts": [] }, "msg": "The mode is changed." }</pre>
On Error	403 Forbidden, 500 Internal Server Error

4. לבטל השהייה למשתמש לפי ID של המשתמש

Resource	http://localhost:2718/admin/mode/{:id}
Method	post
Authenticated	Yes
Request Body	<pre>{ "new_mode": "active" }</pre>
Returns	<pre>{ "user": { "name": "tal", "email": "tal@gmail.com", "id": 15, "password": "\$2b\$10\$.gVXs9E1FvUagQ7XZ6yGnOisKF2iax9j9iAU/GqWBHFEPLVvppgUK", "status": "active", "date": "Sat Jan 01 2022 16:08:39 GMT+0200 (Israel Standard Time)", "posts": [] }, "msg": "The mode is changed." }</pre>
On Error	403 Forbidden, 500 Internal Server Error

5. למחוק משתמש לפי ID של המשתמש.

Resource	http://localhost:2718/admin/mode/{:id}
Method	post
Authenticated	Yes
Request Body	<pre>{ "new_mode": "deleted" }</pre>
Returns	<pre>{ "user": { "name": "tal", "email": "tal@gmail.com", "id": 15, "password": "\$2b\$10\$.gVXs9E1FvUagQ7XZ6yGnOisKF2iax9j9iAU/GqWBHFEPLVvppgUK", "status": "deleted", "date": "Sat Jan 01 2022 16:08:39 GMT+0200 (Israel Standard Time)", "posts": [] }, "msg": "The mode is changed." }</pre>
On Error	403 Forbidden, 500 Internal Server Error

6. לשלוח הודעה למשתמש יחיד.

Resource	http://localhost:2718/admin/message
Method	post
Authenticated	Yes
Request Body	<pre>{{ "send_to": "15", "text": "text from admin to 15" }}</pre>
Returns	<pre>{ "msg": { "text": "text from admin to 15", "id_dest_user": 15, "id_from_user_name": 1, "message_id": 36, "date": "Sat Jan 01 2022 16:32:44 GMT+0200 (Israel Standard Time)" }, "status": "message send succesfully" }</pre>

	}
On Error	403 Forbidden, 400 Bad Request, 500 Internal Server Error

7. לשלוח הודעה לכל המשתמשים.

Resource	http://localhost:2718/admin/messages
Method	post
Authenticated	Yes
Request Body	<pre>{ "text": "text from admin to all users" }</pre>
Returns	<pre>{ "all_messages_that_send": [{ "text": "text from admin to all users", "id_dest_user": 6, "id_from_user_name": 1, "message_id": 37, "date": "Sat Jan 01 2022 16:38:18 GMT+0200 (Israel Standard Time)" }, { "text": "text from admin to all users", "id_dest_user": 15, "id_from_user_name": 1, "message_id": 38, "date": "Sat Jan 01 2022 16:38:18 GMT+0200 (Israel Standard Time)" }], "msg": "All messages sent to all users" }</pre>
On Error	, 500 Internal Server Error

8. למחוק פוסט של user לפי ID של הפוסט.

Resource	http://localhost:2718/admin/post/<id_of_wanted_post>
Method	delete
Authenticated	Yes

Request Body	<pre>{ "text": "text from admin to all users" }</pre>
Returns	<pre>{ "msg": "post deleted!" }</pre>
On Error	403 Forbidden, 400 Bad Request, 500 Internal Server Error

User

- בעליית המערכת נקרא את כל המשתמשים מקובץ users .

מידע על משתמש:

1. שם מלא
2. מזהה יחודי (פנימי)
3. כתובת אימייל יחודית במערכת
4. מתי נוצר (פנימי)
5. סטטוס (פנימי) - created, active, suspended, deleted

לכן user נוצר עם שם וכתובת מייל (כל השאר מידע פנימי שאנחנו מג'נרטים בקוד)

מתודות של users :

1. הצגת כל המשתמשים בסטטוס active עבור משתמש מסוים:

Resource	http://localhost:2718/users/users
Method	get
Authenticated	Yes
Request Body	None
Returns	<pre>{ active_users: [{ "name": "tal", "email": "refaelr92@gmail.com", "id": 15, "status": "active",</pre>

	<pre> "date": "Sat Jan 01 2022 01:47:55 GMT+0200 (Israel Standard Time)", "posts": [] }], "msg": "All active users returned" } </pre>
On Error	500 Internal Server Error

2. הצגת משתמש מסוים לפי ID שלו.

Resource	http://localhost:2718/users/user/(:id)
Method	get
Authenticated	Yes
Request Body	None
Returns	<pre> { "user": { "name": "tal", "email": "refaelr92@gmail.com", "id": 15, "status": "active", "date": "Sat Jan 01 2022 01:47:55 GMT+0200 (Israel Standard Time)", "posts": [] }, "msg": "Get user successfully" } </pre>
On Error	403 Forbidden, 400 Bad Request, 500 Internal Server Error

Post

מאפיינים:

1. טקסט
2. id ייחודי
3. תאריך ושעה
4. id של user שכתב את הpost

מתודות של posts :

1. יצירת פוסט חדש ע"י משתמש מסוים:

Resource	http://localhost:2718/post/create
Method	post
Authenticated	Yes
Request Body	<pre>{ "text": "my first post" }</pre>
Returns	<pre>{ "post_details": { "text": "my first post", "user_name_id": 6, "post_id": 3, "date": "Sat Jan 01 2022 15:30:29 GMT+0200 (Israel Standard Time)" }, "msg": "post created successfully" }</pre>
On Error	400 Bad Request, 500 Internal Server Error

2. קבלה של כל הפוסטים:

Resource	http://localhost:2718/post/posts
Method	get
Authenticated	Yes
Request Body	
Returns	<pre>{ "all_Posts": [{ "text": "my first post", "user_name_id": 6, "post_id": 3, "date": "Sat Jan 01 2022 15:30:29 GMT+0200 (Israel Standard Time)" }, { "text": "Another text", "user_name_id": 6, "post_id": 4, "date": "Sat Jan 01 2022 15:56:52 GMT+0200 (Israel Standard Time)" }], "msg": "display all posts" }</pre>

On Error	

3. מחיקה של פוסט ע"י המשתמש שכתב אותו:

Resource	/post/delete/{:id}
Method	delete
Authenticated	Yes
Request Body	None
Returns	<pre>{ "msg": "post deleted succesfully" }</pre>
On Error	400 Bad Request

Message

מאפיינים:

1. טקסט
2. Id ייחודי
3. תאריך ושעה
4. id של usern שכתב את ההודעה(המקור)
5. id של usern אליו שולחים את ההודעה(היעד)

מתודות של messages :

1. מתודה של שליחת הודעה:

Resource	/message/send
Method	post
Authenticat ed	Yes
Request Body	<pre>{ "send_to": "6", "text": "my first message" }</pre>
Returns	<pre>{ "msg": { "text": "my first message", "id_dest_user": 6, "id_from_user_name": 15, "message_id": 36, "date": "Sat Jan 01 2022 16:15:33 GMT+0200 (Israel Stand ard Time)" }, "status": "message send succesfully" }</pre>
On Error	

POSTMAN TEST FLOW

1. Admin login and save token to environment vars
2. User_1 sign-in to social media. (got 200)
3. User_1 sign-in again and got 403 error (forbidden, email already exists in the system)
4. User_2 sign in
5. User_1 try to log-in and got 403 (admin need to active the user first)
6. Admin active user_1
7. Admin active user_2
8. User_1 login and save token into environment vars.
9. User_2 login and save token into environment vars.
10. User 1 create post
11. User 2 create post
12. User 1 send message to user 2
13. User 2 send message to user 1
14. Admin send message to all users (1/2)
15. Admin send private message to user_1
16. Admin sent private message to user that isn't exist
17. Admin show all posts
18. User 1 show all his sent and received messages
19. Admin delete user_1's post
20. User 1 show all his posts after Admin deletion
21. Admin suspended user_1
22. Admin suspended user_1 again and got error.
23. User_1 tried to create post but got error (due to suspension)
24. Admin active user_1
25. User_1 logout
26. User 1 tried to create new post after logout and got error