

Social Media

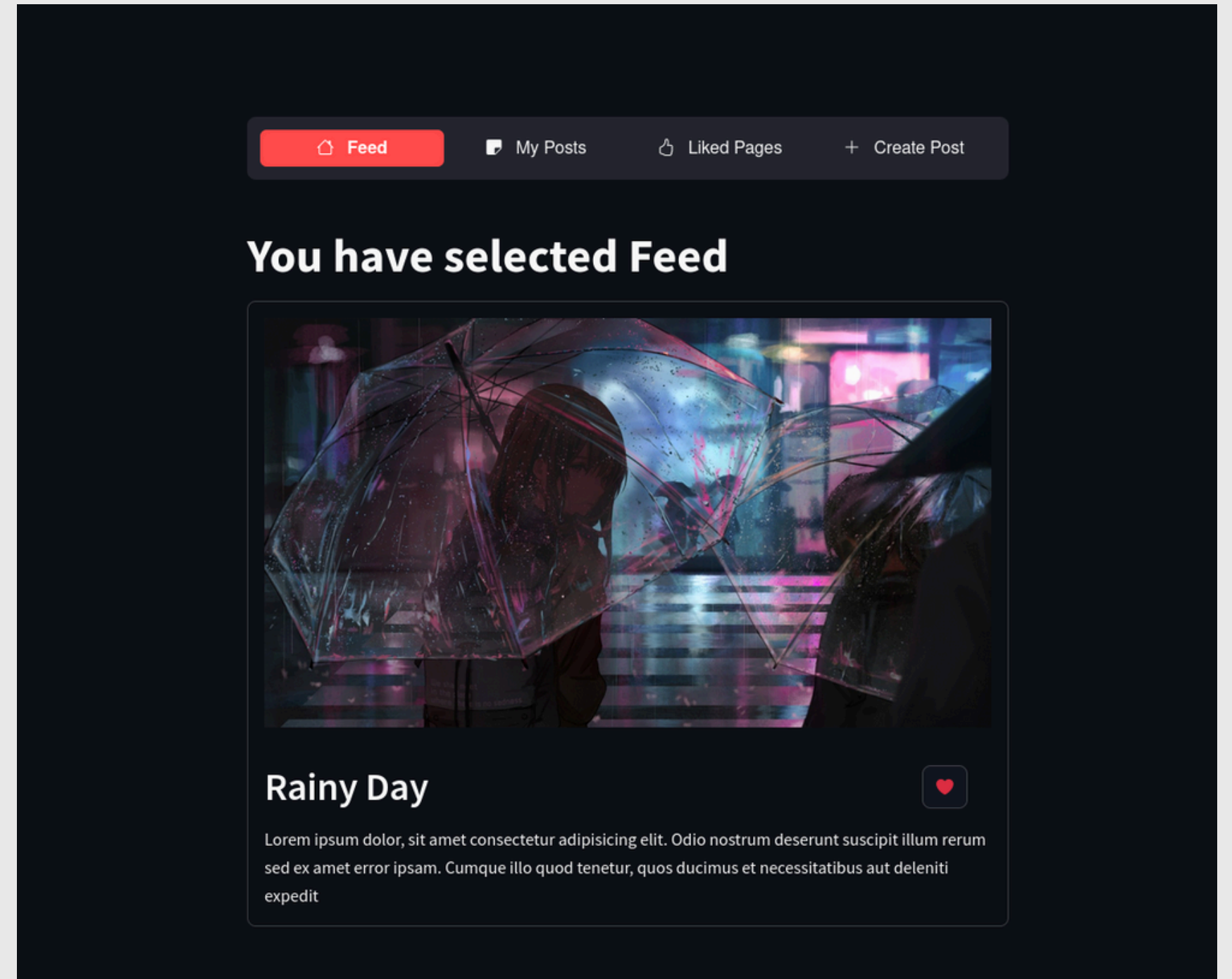
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About the Project

This project entails the development of a simplified social networking platform centered around the creation and sharing of user-generated content. The platform will facilitate user interaction through post creation, liking, and viewing. To ensure a seamless user experience, the platform will incorporate user registration and authentication mechanisms. The core functionalities will include posting, liking, and displaying content in a user-friendly format. The project will focus on building a robust foundation for understanding the underlying database management principles required for such platforms.

TABLES

1. POSTS

- To store post related information
- Information in this table is displayed in the feed section of the website
- A subset of this table is used in the MY POSTS section and LIKED PAGES section

2. USERS

- To store user information
- Used for login/register
- Used to view owner information of posts

3. REACTIONS

- To store liked posts and user who liked it.
- This table is used to get like count of a post
- This table along with POSTS table is used for LIKED POSTS section.

```
mysql> DESC POSTS;
```

Field	Type	Null	Key	Default	Extra
POST_ID	int	NO	PRI	NULL	
OWNER_EMAIL	varchar(20)	YES	MUL	NULL	
POSTED_TIME	datetime	YES		NULL	
POST_TITLE	varchar(20)	YES		NULL	
POST_DESC	varchar(200)	YES		NULL	
LIKE_COUNT	int	YES		0	
POST_IMG	longblob	YES		NULL	

```
7 rows in set (0.01 sec)
```

```
mysql> DESC REACTIONS;
```

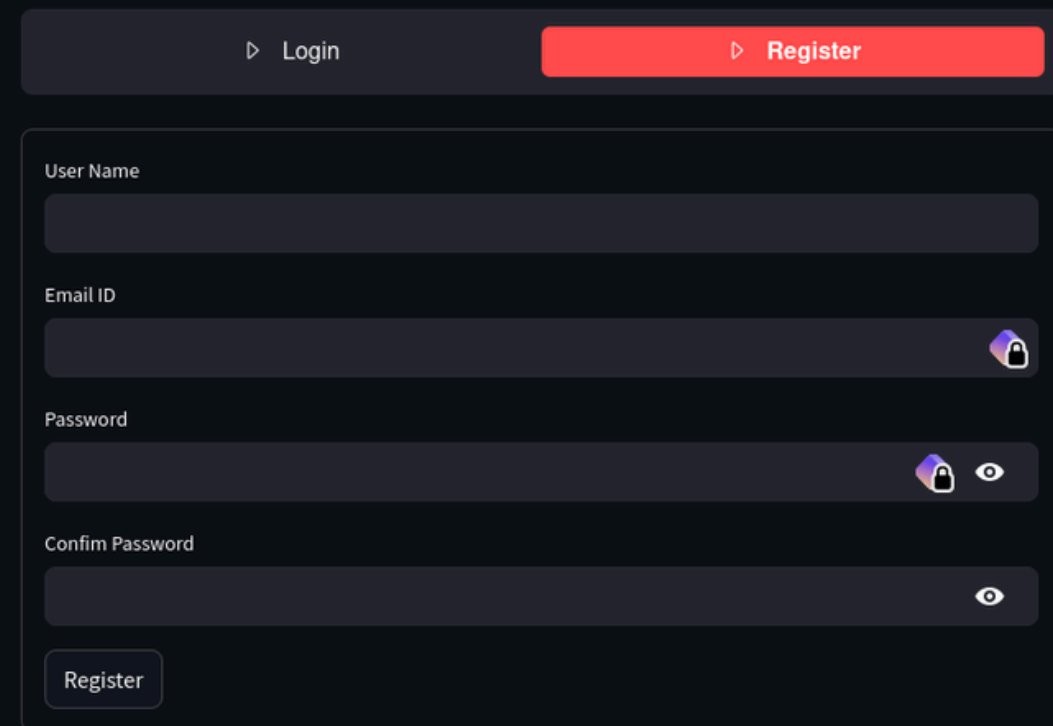
Field	Type	Null	Key	Default	Extra
POST_ID	int	YES	MUL	NULL	
OWNER_EMAIL	varchar(20)	YES	MUL	NULL	

```
2 rows in set (0.00 sec)
```

```
mysql> DESC USERS;
```

Field	Type	Null	Key	Default	Extra
FIRST_NAME	varchar(15)	NO		NULL	
SECOND_NAME	varchar(15)	NO		NULL	
EMAIL_ID	varchar(20)	NO	PRI	NULL	
PASSWORD	varchar(200)	NO		NULL	
DOB	date	YES		NULL	

```
5 rows in set (0.00 sec)
```

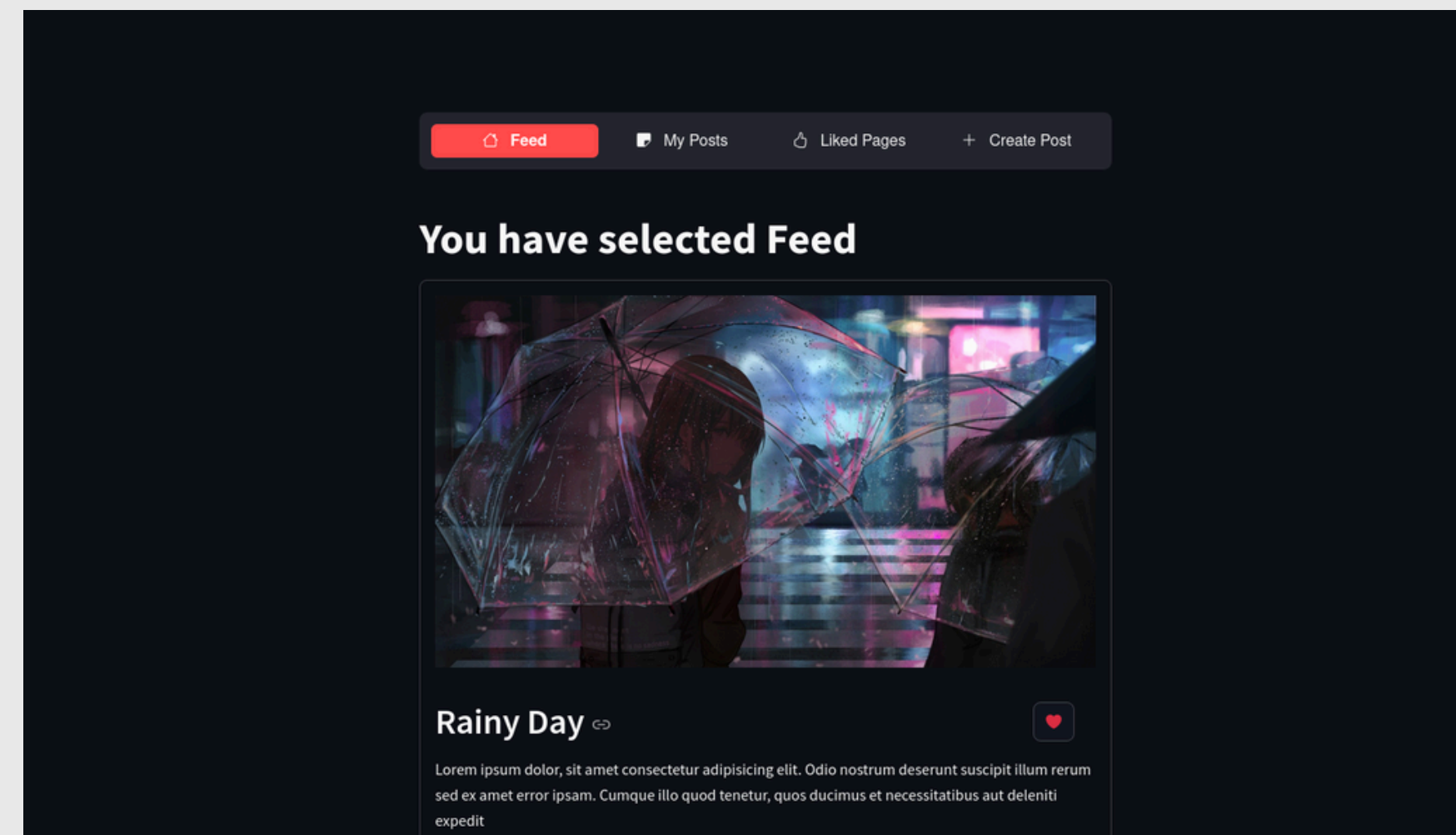
The image shows a dark-themed login and registration form. At the top, there are two buttons: 'Login' and 'Register'. The 'Register' button is highlighted in red. Below these buttons, there are four input fields: 'User Name', 'Email ID', 'Password', and 'Confirm Password'. The 'Email ID' and 'Password' fields have a lock icon on the right, and the 'Password' field also has an eye icon. A 'Register' button is located at the bottom left of the form.

LOGIN / REGISTER PAGE

- For new registration, check if the email id already exists in database.
- If not insert new user info into database.
- For existing user login, check whether the email id and password is in database.

FEEDS PAGE

- Retrieve information about all posts, ordered by date and no. of likes.
- Retrieve username of the owner of the post from USER table.
- User can like a post which will add the post to LIKED PAGES and increment like count of the post



🏠 Feed 📁 My Posts ❤️ Liked Pages + Create Post

You have selected Liked Pages



Rainy Day



Lorem ipsum dolor, sit amet consectetur adipisicing elit. Odio nostrum deserunt suscipit illum rerum sed ex amet error ipsam. Cumque illo quod tenetur, quos ducimus et necessitatibus aut deleniti expedit

CREATE POST PAGE

- User can enter title, description and an image for a post.
- After pressing the post button post information is added to POSTS table.
- This post will now be visible in the FEED section as well as MY POSTS section.

LIKED POSTS PAGE

- Shows all posts that are liked by the current user.

🏠 Feed 📁 My Posts ❤️ Liked Pages + Create Post

You have selected Create Post

Post heading

Description

Upload Images

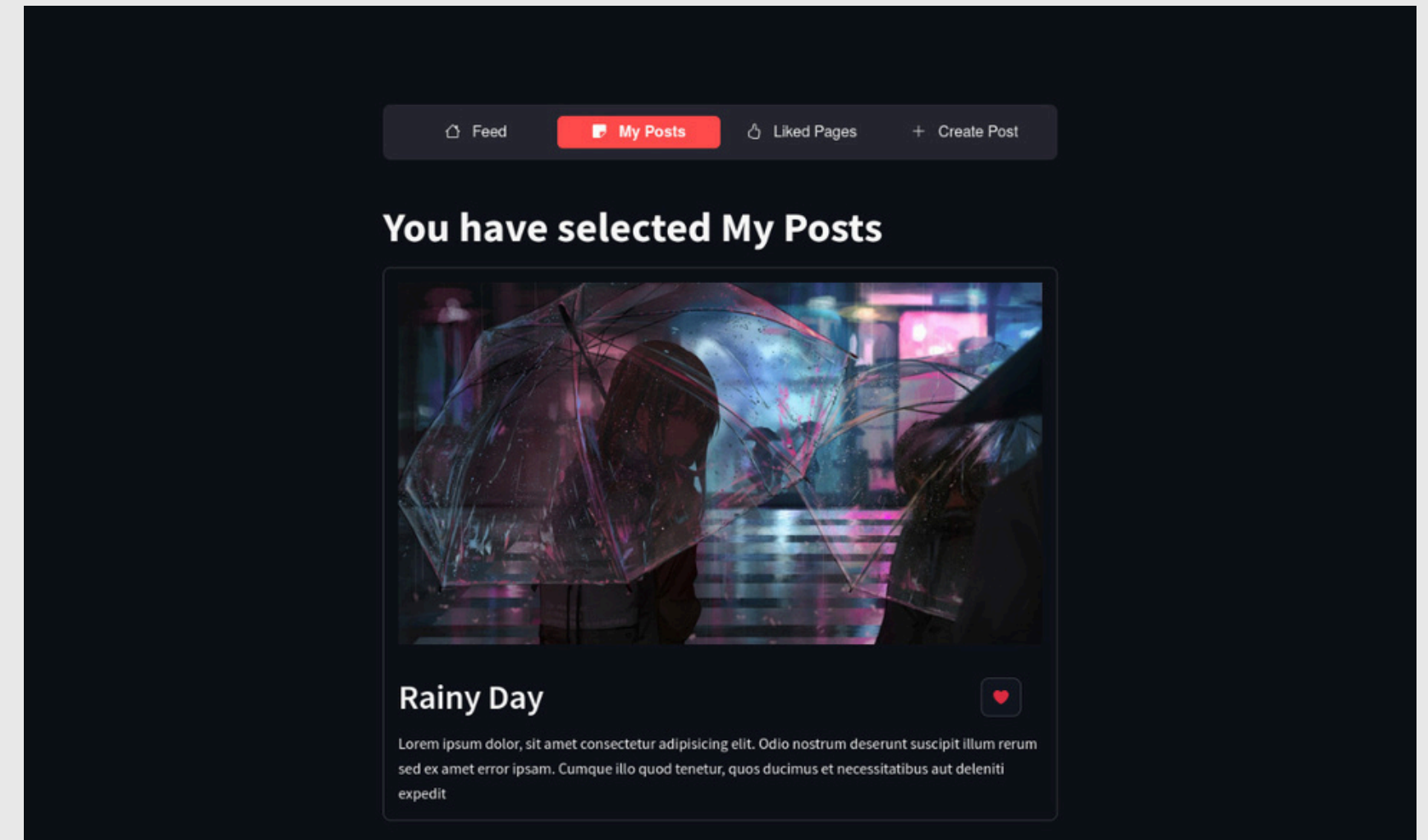
Drag and drop file here
Limit 200MB per file • PNG, JPG, JPEG, GIF, SVG

Browse files

Post

MY POSTS

- Subset of POSTS table.
- Shows only those posts for which posts's owner email matches current user email.
- The posts is ordererd by date and time.



Thank you!
