Livesitter FullStack Assignment

- API Documentation for A RTSP Livestream App with Overlay

Server:- Environment Variables

```
http://localhost:8000
```

Routes:-

- **User Routes:**

```
http://localhost:8000/api/users
```

- All api routes are declared in `routes/user.routes.js` serving at this endpoint
  `http://localhost:8000/api/users`

APIs:-

Auth APIs:-

- **/register**

  POST `http://localhost:8000/api/users/register`

  Request Body: JSON Data example data

  ```
  {
      "name": "dwight",
      "email": "dwight@gmail.com",
      "password": "dwight"
  }
  ```

  Response Body: JSON Data

  ```
  {
  "statusCode": 201,
  "data": {
      "name": "dwight",
      "email": "dwight@gmail.com",
      "avatar": "https://robohash.org/dwight@gmail.com.png?
  size=50x50&set=set1",
      "overlay": {
  ```

```
            "rect": [
                {
                    "x": 0,
                    "y": 0,
                    "height": 0,
                    "width": 0,
                    "fillColor": "#ffffff",
                    "_id": "66e82c9333d5e57905cc6d92"
                }
            ],
            "_id": "66e82c9333d5e57905cc6d91",
            "circle": [],
            "arrow": [],
            "scribble": [],
            "star": [],
            "__v": 0
        },
        "password":
"$2b$10$mCJQHGjY.1ZOyi6fvTwkJ.lN6TuU8jkqHuPS3UxaFWMhbRbyf8XKe",
        "_id": "66e82c9333d5e57905cc6d94",
        "__v": 0
    },
    "message": "User registered successfully",
    "success": true
    }
```

- **/login**

  POST http://localhost:8000/api/users/login

  Request Body: JSON Data example data

```
{
    "email": "joe@gmail.com",
    "password": "mama"
}
```

  Response Body: JSON Data

```
{
"statusCode": 200,
"data": {
    "user": {
        "_id": "66e7e7c152ac59b536f2fc3e",
        "name": "joe mama",
        "email": "joe@gmail.com",
        "avatar": "https://robohash.org/joe@gmail.com.png?
size=50x50&set=set1",
        "overlay": "66e7e7c052ac59b536f2fc3b",
```

```
            "__v": 0
        },
        "accessToken":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJfaWQiOiI2NmU3ZTdjMTUyYWM1OWI1MzZmMm
ZjM2UiLCJlbWFpbCI6ImpvZUBnbWFpbC5jb20iLCJuYW1lIjoiam9lIG1hbWEiLCJpYXQiOjE3Mj
Y0OTI3NDQsImV4cCI6MTcyNjU3OTE0NH0.ih27tAxS3kLtEtV_fiMtVAx5wjTXXCb7Aw1o3DAdst
A",
        "refreshToken":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJfaWQiOiI2NmU3ZTdjMTUyYWM1OWI1MzZmMm
ZjM2UiLCJpYXQiOjE3MjY0OTI3NDQsImV4cCI6MTcyNzM1Njc0NH0.9t64hqv4N4GbWlH_QSOHTo
twWST0_vMhbeTXFcWipGI"
    },
    "message": "User logged In Successfully",
    "success": true
}
```

- **/logout**

  POST http://localhost:8000/api/users/logout

  Request Body: JSON Data

  example data

  ```
  {
      "user": {
          "_id": "66e7e7c152ac59b536f2fc3e"
      },
      "accessToken":
  "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJfaWQiOiI2NmU3ZTdjMTUyYWM1OWI1MzZmMm
  ZjM2UiLCJlbWFpbCI6ImpvZUBnbWFpbC5jb20iLCJuYW1lIjoiam9lIG1hbWEiLCJpYXQiOjE3Mj
  Y0OTI3NDQsImV4cCI6MTcyNjU3OTE0NH0.ih27tAxS3kLtEtV_fiMtVAx5wjTXXCb7Aw1o3DAdst
  A"
  }
  ```

  Response Body: JSON Data

  ```
  {
      "statusCode": 200,
      "data": null,
      "message": "User logged out successfully",
      "success": true
  }
  ```

Overlay APIs:-

- **/create-overlay**

- To create a overlay there is no seperate API.

- But when a User is created it will create an overlay reference id as the overlay property of user.

- **/update-overlay**

  POST http://localhost:8000/api/users/update-overlay

  Request Body: JSON Data

- In the request body, pass the overlay id and new overlay property of the user. example data

```json
    {
 "_id": "66e7242cea48f1eb1a37499c",
 "overlay":{
        "rect":[
        {
            "id": "ac813938-6e8e-4107-8069-d6e996ab3cd3",
            "x": 45.5,
            "y": 48,
            "height": 53,
            "width": 78,
            "fillColor": "#ff0000"
        }
    ],
        "circle":[
        {
            "id": "72783bc9-12e3-4dc6-ad0b-1ab45b12ed0f",
            "x": 76.5,
            "y": 183,
            "radius": 36.40054944640259,
            "fillColor": "#ff0000"
        }
    ],
        "arrow":[
    {
        "id": "91746e76-0454-485c-a273-56babbe88db1",
        "points": [
            214.5,
            73,
            287.5,
            75
        ],
        "fillColor": "#ff0000"
    }
    ],
        "scribble":[
    {
        "id": "5e3191d4-640f-483c-a2d7-496376ee9e53",
        "points": [
            238.5,
            197,
            238.5,
```

```
                196,
                238.5,
                195,
                238.5,
                194,
                238.5,
                193,
                238.5
            ],
        "fillColor": "#ff0000"
    }
        ]
    }

    }
```

Response Body: JSON Data

```
{
"statusCode": 200,
"data": null,
"message": "Overlay updated successfully",
"success": true
}
```

- **/overlay (For Fetching Overlay)**

  POST http://localhost:8000/api/users/overlay

  Request Body: JSON Data

- In order to fetch the overlay we need to send the user id. example data

```
{
"_id": "66e7242cea48f1eb1a37499c"
}
```

Response Body: JSON Data

```
{
"statusCode": 200,
"data": {
    "text": null,
    "_id": "66e808f48db169fabb90ecc1",
    "rect": [
        {
            "id": "434617da-5701-43be-8365-e88f28f8cf60",
```

```json
                "x": 70,
                "y": 593.6875,
                "height": -340,
                "width": 54,
                "fillColor": "#ff0000",
                "_id": "66e809188db169fabb90ecca"
            }
        ],
        "circle": [
            {
                "id": "4ca5b4c5-051d-4183-b64d-02cdc3fde6ca",
                "x": 299,
                "y": 600.6875,
                "radius": 165.38742394752995,
                "fillColor": "#ff0000",
                "_id": "66e809188db169fabb90eccb"
            }
        ],
        "arrow": [],
        "scribble": [],
        "star": [],
        "__v": 0
    },
    "message": "User Overlay fetched successfully",
    "success": true
    }
```

/delete-overlay

POST http://localhost:8000/api/users/delete-overlay **Request Body:** JSON Data

- In the body pass the _id of the overlay you want to delete. example data

```json
    {
    "_id": "66e7242cea48f1eb1a37499c"
    }
```