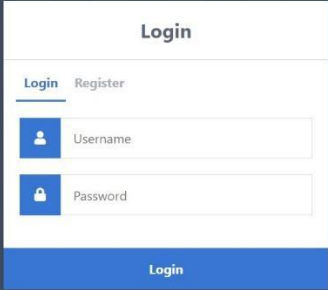


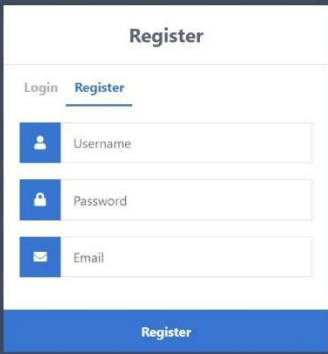
# Documentation for IS601 Final Team Project

1. Initial login screen: This is where the user will login to get into the site. In order to do so they will need to register an account



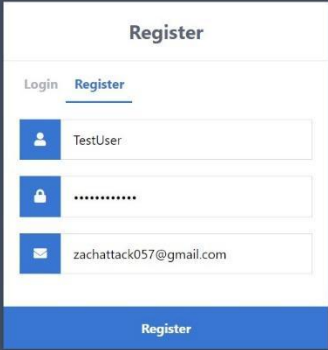
The image shows a mockup of a login screen. It features a white card with a dark blue header titled "Login". Below the header, there are two tabs: "Login" (active) and "Register". The "Login" tab contains two input fields: "Username" with a user icon and "Password" with a lock icon. A blue button labeled "Login" is at the bottom of the card.

2. Initial registration screen: This is where the user will register an account. They will fill out a username, password, and email.



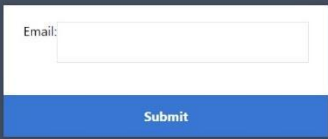
The image shows a mockup of a registration screen. It features a white card with a dark blue header titled "Register". Below the header, there are two tabs: "Login" and "Register" (active). The "Register" tab contains three input fields: "Username" with a user icon, "Password" with a lock icon, and "Email" with an envelope icon. A blue button labeled "Register" is at the bottom of the card.

3. **Registration form filled out:** This is here to show how the input will look when the user fills in the form



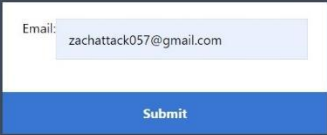
The image shows a registration form titled "Register" centered on a dark blue background. The form has a white background and a blue header bar with the title "Register". Below the header, there are two tabs: "Login" and "Register", with "Register" being the active tab. The form contains three input fields, each with a blue icon on the left: a person icon for the username field (containing "TestUser"), a lock icon for the password field (containing "\*\*\*\*\*"), and an envelope icon for the email field (containing "zachattack057@gmail.com"). At the bottom of the form is a blue button labeled "Register".

4. **Email verification:** When the user hits "Register" they will be brought into the email verification screen.



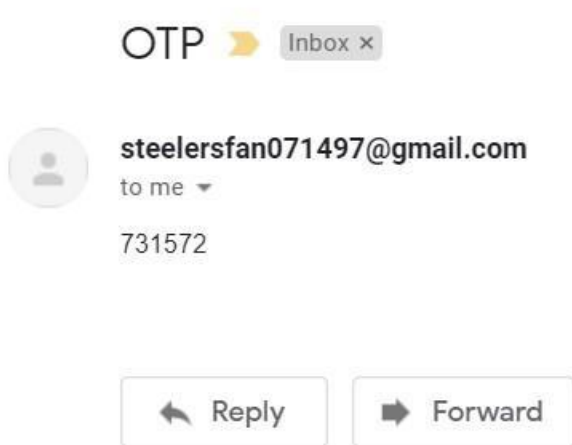
The image shows an email verification form centered on a dark blue background. The form has a white background and a blue header bar. Below the header, there is a single input field labeled "Email:". At the bottom of the form is a blue button labeled "Submit".

5. Email verification-2: This shows an example email being put into the form.

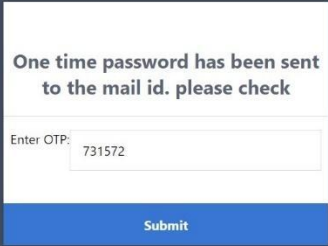


A screenshot of a web form for email verification. The form is centered on a dark blue background. It consists of a white input field with the text "Email:" and "zachattack057@gmail.com" inside. Below the input field is a blue button labeled "Submit".

6. Email verification-3: When the user submits the email, they will need to check their email for an OTP.

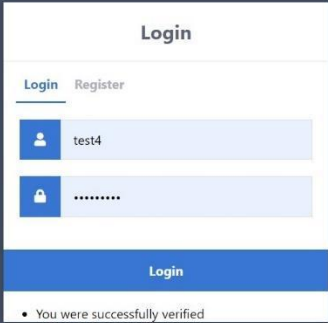


7. **Email verification-4:** The user will now take their OTP and plug it into the validation form.



A screenshot of a web form for email verification. The form is centered on a dark blue background. It has a white header area with the text "One time password has been sent to the mail id. please check". Below this is a text input field labeled "Enter OTP:" containing the number "731572". At the bottom of the form is a blue button labeled "Submit".

8. **Email verification-8:** If the OTP matches, the screen will flash that the user has been verified.



A screenshot of a web form titled "Login". The form is centered on a dark blue background. It has a white header area with the title "Login". Below the title are two tabs: "Login" (selected) and "Register". There are two input fields: the first is labeled "test4" and the second is labeled "\*\*\*\*\*". Below the input fields is a blue button labeled "Login". At the bottom of the form, there is a message: "• You were successfully verified".

9. Login to site: The user, if registered and verified, will be able to login.

SECRET: SUPER ASSETS		Sauron	95	85	35	100	100	70
ADD +		Mephisto	95	85	35	95	100	45
SUPER API: JSON ENDPOINT		Thor Girl	90	85	70	85	100	70
MEAN		Sinestro	90	85	55	65	100	55
MEDIAN		Groot	90	85	35	70	100	65
MODE		Miss Martian	85	85	60	100	100	45
STANDARD DEVIATION		Marvel Girl	85	85	50	45	100	80
VARIANCE		Booster Gold	85	85	45	70	100	40
Z SCORE		Exodus	85	85	30	30	100	70
LOGOUT		Air-Walker	80	85	100	85	100	40
		Green Lantern	80	85	45	65	100	65
		Eltrigan	80	85	20	100	100	50
		Watcher	100	80	70	90	100	60
		Century	95	80	55	65	100	100
		Toxin	90	80	45	85	100	70
		War Machine	85	80	65	100	100	85
		Franklin Richards	85	80	50	60	100	50

10. Verifying account was created in the database

WHERE

ORDER BY

	id	username	password	email
1	1	test	test	test@test.com
2	2	test4	Test3User	zachattack057@gmail.com
3	3	TestUser	testPassword	zachattack057@gmail.com

**\*\*DISCLAIMER:** Within the app.py, there are two lines of code “MAIL\_USERNAME” and “MAIL\_PASSWORD” that must be updated. These two lines of code should be real email/password, but for now are filled with test info. The latter image shows that the send must match with the “MAIL\_USERNAME”\*\*

**\*\*DISCLAIMER 2:** To allow emails to be sent through flask mail, you must allow flask mail to use your email address. To do so, login to your gmail account and click on the logo in the top right corner. From there, click on “Manage your Google Account”-->“Security”-->Turn on “Less secure app access”\*\*

```
app.config['MYSQL_DATABASE_HOST'] = 'db'
app.config['MYSQL_DATABASE_USER'] = 'root'
app.config['MYSQL_DATABASE_PASSWORD'] = 'root'
app.config['MYSQL_DATABASE_PORT'] = 3306
app.config['MYSQL_DATABASE_DB'] = 'citiesData'
app.config['MAIL_SERVER'] = 'smtp.gmail.com'
app.config['MAIL_PORT'] = 465
app.config['MAIL_USERNAME'] = 'test@gmail.com'
app.config['MAIL_PASSWORD'] = '*****'
app.config['MAIL_USE_TLS'] = False
app.config['MAIL_USE_SSL'] = True
```

```
@app.route('/verify', methods=['GET', 'POST'])
def verify():
    email=request.form['email']
    msg=Message(subject='OTP', sender='test@gmail.com', recipients=[email])
    msg.body=str(otp)
    mail.send(msg)
    return render_template('verify.html')
```

## 11. Super Asset Data Dashboard: Here you can view top 100 Supers and access other features

SECRET: SUPER ASSETS

ADD +

SUPER API ACTION ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

Sauron	95	85	35	100	100	70
Mephisto	95	85	35	95	100	45
Thor Girl	90	85	70	85	100	70
Sinestro	90	85	55	65	100	55
Groot	90	85	35	70	100	65
Miss Martian	85	85	60	100	100	45
Marvel Girl	85	85	50	45	100	80
Booster Gold	85	85	45	70	100	40
Exodus	85	85	30	30	100	70
Air-Walker	80	85	100	85	100	40
Green Lantern	80	85	45	65	100	65
Etrigan	80	85	20	100	100	50
Watcher	100	80	70	90	100	60
Century	95	80	55	65	100	100
Toxin	90	80	45	85	100	70
War Machine	85	80	65	100	100	85
Franklin Richards	85	80	50	60	100	50

## 12. Add: Here you can add newly discovered Supers

### a. Click on green "Add+" Button

SECRET: SUPER ASSETS

ADD +

SUPER API ACTION ENDPOINT

BELL

MEAN

PERSON

MEDIAN

BAR

MODE

TH

STANDARD DEVIATION

WAVE

VARIANCE

PLAY

Z-SCORE

LOGOUT

Sauron	95	85	35	100	100	70
Mephisto	95	85	35	95	100	45
Thor Girl	90	85	70	85	100	70
Sinestro	90	85	55	65	100	55
Groot	90	85	35	70	100	65
Miss Martian	85	85	60	100	100	45
Marvel Girl	85	85	50	45	100	80
Booster Gold	85	85	45	70	100	40
Exodus	85	85	30	30	100	70
Air-Walker	80	85	100	85	100	40
Green Lantern	80	85	45	65	100	65
Etrigan	80	85	20	100	100	50
Watcher	100	80	70	90	100	60
Century	95	80	55	65	100	100
Toxin	90	80	45	85	100	70
War Machine	85	80	65	100	100	85
Franklin Richards	85	80	50	60	100	50



SECRET: SUPER ASSETS

ADD +

CITIES API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

Asset

Test

Intelligence

50

Power

50

Success

Durability

50

Strength

50

Combat

50

## b. Fill information

SECRET: SUPER ASSETS

ADD +

CITIES API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

Asset

Test

Intelligence

50

Power

50

Success

Durability

50

Strength

50

Combat

50


## c. Click green “Success” button



The screenshot shows the 'SECRET: SUPER ASSETS' page. On the left, a sidebar contains a navigation menu with icons for Home, Users, Groups, Channels, and a Logout button. A red arrow points to the 'ADD' button in the sidebar. The main content area displays a form for adding a new asset. The form has six rows, each with a label and a value of 50: Name, Intelligence, Power, Durability, Strength, and Combat. A green 'SUCCESS' button is located at the bottom of the form.

SECRET: SUPER ASSETS						
100%						
0% (5 min delay) (refresh)						
Home						
Regions						
Items						
Production Statistics						
Inventory						
Export						
Logout						
Thor God	90	85	70	85	100	70
Sinestro	90	85	55	65	100	55
Goat	90	85	35	70	100	65
Mia MarSas	85	85	60	100	100	45
Marvel Girl	85	85	50	45	100	85
Banisher Gold	85	85	45	70	100	45
Eodius	85	85	30	30	100	70
Ali Walker	80	85	100	85	100	45
Green Lantern	80	85	45	65	100	65
Elrigan	80	85	20	100	100	50
Watcher	100	80	70	90	100	60
Century	95	80	55	65	100	100
Naom	90	80	45	85	100	70
War Machine	85	80	65	100	100	85
Franklin Richards	85	80	50	60	100	50
SuperDuke	100	100	100	100	100	100
Total	50	50	50	50	50	50

### 13. Super API JSON ENDPOINT: Here you can view the raw JSON Data




SECRET SUPER ASSETS						
ALL	ULTRON	95	85	45	100	100
IRON MAN	SAURON	95	85	35	100	100
THOR	MEPHISTO	95	85	35	95	100
WOLFGANG FAIRBANKS	THOR GIRL	90	85	70	85	100
IRON MAN	SINISTRO	90	85	55	65	100
IRON MAN	GOOT	90	85	35	70	100
IRON MAN	MRS MARTIAN	85	85	60	100	100
IRON MAN	MANVEL GIRL	85	85	50	45	100
IRON MAN	BOOSER COLE	85	85	45	70	100
IRON MAN	EXODUS	85	85	30	30	100
IRON MAN	AIR WALKER	80	85	100	85	100
IRON MAN	GREEN LANTERN	80	85	45	65	100
IRON MAN	STRINGS	80	85	20	100	100
IRON MAN	WATCHER	100	80	70	90	100
IRON MAN	CENTURY	95	80	55	65	100
IRON MAN	TOXIN	90	80	45	85	100
IRON MAN	WAR MACHINE	85	80	65	100	100

```
[{"id": 1, "fldName": "Man of Miracles", "fldLat": 100, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 2, "fldName": "One-Above-All", "fldLat": 100, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 3, "fldName": "The Presence", "fldLat": 100, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 4, "fldName": "General Zod", "fldLat": 100, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 95}, {"id": 5, "fldName": "Beyond", "fldLat": 100, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 85}, {"id": 6, "fldName": "Superboy-Prime", "fldLat": 100, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 85}, {"id": 7, "fldName": "Superman", "fldLat": 100, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 85}, {"id": 8, "fldName": "Power Girl", "fldLat": 100, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 75}, {"id": 9, "fldName": "Supergirl", "fldLat": 100, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 30}, {"id": 10, "fldName": "Living Tribunal", "fldLat": 100, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 11, "fldName": "Steppenwolf", "fldLat": 100, "fldLong": 100, "fldCountry": 85, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 12, "fldName": "Lucifer Morningstar", "fldLat": 100, "fldLong": 100, "fldCountry": 85, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 95}, {"id": 13, "fldName": "Phoenix", "fldLat": 100, "fldLong": 100, "fldCountry": 85, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 80}, {"id": 14, "fldName": "Abraxas", "fldLat": 100, "fldLong": 100, "fldCountry": 85, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 55}, {"id": 15, "fldName": "Galactus", "fldLat": 100, "fldLong": 100, "fldCountry": 85, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 50}, {"id": 16, "fldName": "Lobo", "fldLat": 100, "fldLong": 100, "fldCountry": 55, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 85}, {"id": 17, "fldName": "Dr Manhattan", "fldLat": 100, "fldLong": 100, "fldCountry": 45, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 45}, {"id": 18, "fldName": "Thanos", "fldLat": 100, "fldLong": 100, "fldCountry": 35, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 80}, {"id": 19, "fldName": "Thanos (Infinity Gauntlet)", "fldLat": 100, "fldLong": 100, "fldCountry": 35, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 80}, {"id": 20, "fldName": "Apocalypse", "fldLat": 100, "fldLong": 100, "fldCountry": 35, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 60}, {"id": 21, "fldName": "Angela", "fldLat": 95, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 22, "fldName": "Binary", "fldLat": 95, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 95}, {"id": 23, "fldName": "Monarch", "fldLat": 95, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 95}, {"id": 24, "fldName": "Spectre", "fldLat": 95, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 25, "fldName": "Black Adam", "fldLat": 95, "fldLong": 100, "fldCountry": 95, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 60}, {"id": 26, "fldName": "Vegeta", "fldLat": 95, "fldLong": 100, "fldCountry": 95, "fldAbbreviation": 95, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 27, "fldName": "Shazam", "fldLat": 95, "fldLong": 100, "fldCountry": 90, "fldAbbreviation": 95, "fldCapitalStatus": 100, "fldPopulation": 75}, {"id": 28, "fldName": "Darkseid", "fldLat": 95, "fldLong": 100, "fldCountry": 85, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 95}, {"id": 29, "fldName": "Trigon", "fldLat": 95, "fldLong": 100, "fldCountry": 85, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 80}, {"id": 30, "fldName": "Big Barda", "fldLat": 95, "fldLong": 100, "fldCountry": 80, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 31, "fldName": "Wonder Woman", "fldLat": 95, "fldLong": 100, "fldCountry": 80, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 32, "fldName": "Magna", "fldLat": 95, "fldLong": 100, "fldCountry": 70, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 75}, {"id": 33, "fldName": "BulK", "fldLat": 95, "fldLong": 100, "fldCountry": 65, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 85}, {"id": 34, "fldName": "Surtur", "fldLat": 95, "fldLong": 100, "fldCountry": 60, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 80}, {"id": 35, "fldName": "Anti-Monitor", "fldLat": 95, "fldLong": 100, "fldCountry": 50, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 90}, {"id": 36, "fldName": "Onslaught", "fldLat": 95, "fldLong": 100, "fldCountry": 35, "fldAbbreviation": 100, "fldCapitalStatus": 55}, {"id": 37, "fldName": "Ben 10", "fldLat": 90, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 75}, {"id": 38, "fldName": "Gentry", "fldLat": 90, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 45}, {"id": 39, "fldName": "Ares", "fldLat": 90, "fldLong": 100, "fldCountry": 75, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 40, "fldName": "Doomsday", "fldLat": 90, "fldLong": 100, "fldCountry": 70, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 90}, {"id": 41, "fldName": "She-Ra", "fldLat": 90, "fldLong": 100, "fldCountry": 45, "fldAbbreviation": 70, "fldCapitalStatus": 100, "fldPopulation": 70}, {"id": 42, "fldName": "Ardina", "fldLat": 85, "fldLong": 100, "fldCountry": 100, "fldAbbreviation": 80, "fldCapitalStatus": 100, "fldPopulation": 25}, {"id": 43, "fldName": "Amazo", "fldLat": 85, "fldLong": 100, "fldCountry": 85, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 44, "fldName": "Thor", "fldLat": 85, "fldLong": 100, "fldCountry": 85, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 45, "fldName": "Molecule Man", "fldLat": 85, "fldLong": 100, "fldCountry": 70, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 50}, {"id": 46, "fldName": "Hela", "fldLat": 85, "fldLong": 100, "fldCountry": 50, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 45}, {"id": 47, "fldName": "Silver Surfer", "fldLat": 80, "fldLong": 100, "fldCountry": 100, "fldCapitalStatus": 90, "fldPopulation": 35}, {"id": 48, "fldName": "Goku", "fldLat": 80, "fldLong": 100, "fldCountry": 75, "fldAbbreviation": 90, "fldCapitalStatus": 100, "fldPopulation": 100}, {"id": 49, "fldName": "Legion", "fldLat": 80, "fldLong": 100, "fldCountry": 45, "fldAbbreviation": 30, "fldCapitalStatus": 100, "fldPopulation": 75}, {"id": 50, "fldName": "Vmir", "fldLat": 80, "fldLong": 100, "fldCountry": 30, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 30}, {"id": 51, "fldName": "Godzilla", "fldLat": 75, "fldLong": 100, "fldCountry": 100, "fldPopulation": 55, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 20}, {"id": 52, "fldName": "Martian Manhunter", "fldLat": 100, "fldLong": 95, "fldCountry": 95, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 85}, {"id": 53, "fldName": "Captain Universe", "fldLat": 95, "fldLong": 95, "fldCountry": 95, "fldAbbreviation": 95, "fldCapitalStatus": 100, "fldPopulation": 85}, {"id": 54, "fldName": "Dormammu", "fldLat": 95, "fldLong": 95, "fldCountry": 85, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 80}, {"id": 55, "fldName": "Captain Atom", "fldLat": 95, "fldLong": 95, "fldCountry": 85, "fldAbbreviation": 90, "fldCapitalStatus": 100, "fldPopulation": 80}, {"id": 56, "fldName": "Faora", "fldLat": 95, "fldLong": 95, "fldCountry": 75, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 90}, {"id": 57, "fldName": "Swamp Thing", "fldLat": 95, "fldLong": 95, "fldCountry": 25, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 55}, {"id": 58, "fldName": "Cyborg Superman", "fldLat": 90, "fldLong": 95, "fldCountry": 95, "fldAbbreviation": 100, "fldCapitalStatus": 100, "fldPopulation": 80}, {"id": 59, "fldName": "Match", "fldLat": 90, "fldLong": 95, "fldCountry": 85, "fldAbbreviation": 85, "fldCapitalStatus": 70}, {"id": 60, "fldName": "Kronos", "fldLat": 80, "fldLong": 95, "fldCountry": 65, "fldAbbreviation": 95}
```

## 14. Statistical Analysis using Chartjs: View aggregated stats of supers

### a. Mean

#### i. Click on “Mean”



SECRET: SUPER ASSETS							
ADD +							
SUPER API JSON ENDPOINT							
MEAN	Sauron	95	85	35	100	100	70
MEDIAN	Meghibito	95	85	35	95	100	45
MODE	Thor Call	90	85	70	85	100	70
STANDARD DEVIATION	Sinestro	90	85	55	65	100	55
VARIANCE	Crook	90	85	35	70	100	65
Z-SCORE	Miss Martian	85	85	60	100	100	45
LOGOUT	Marvel Call	85	85	90	45	100	80
	Doctor Gold	85	85	45	70	100	40
	Exodus	85	85	30	30	100	70
	Air-Walker	80	85	100	85	100	40
	Green Lantern	80	85	45	65	100	65
	Etingen	80	85	20	100	100	50
	Watcher	100	80	70	90	100	60
	Century	95	80	55	65	100	100
	Taxin	90	80	45	85	100	70
	War Machine	85	80	65	100	100	85
	Floridin Richards	85	80	90	60	100	50

## ii. Choose Stat to get Mean

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

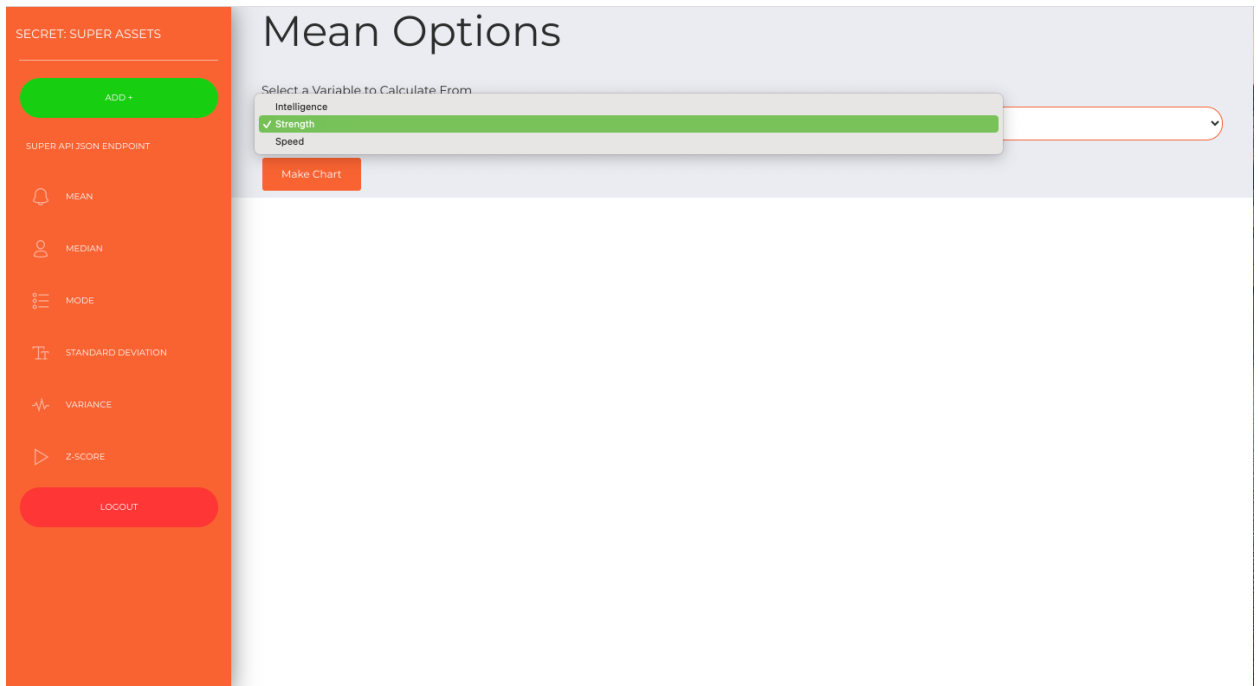
LOGOUT

# Mean Options

Select a Variable to Calculate From

Intelligence

Make Chart



iii. Click orange "Make" button chart to get results




b. Median


i. Click on "Median"


SECRET: SUPER ASSETS


ADD +


SUPER APP TOOL ENDPOINT


 MEDIAN

 MEDIAN

 MEDIAN

 STANDARD DEVIATION

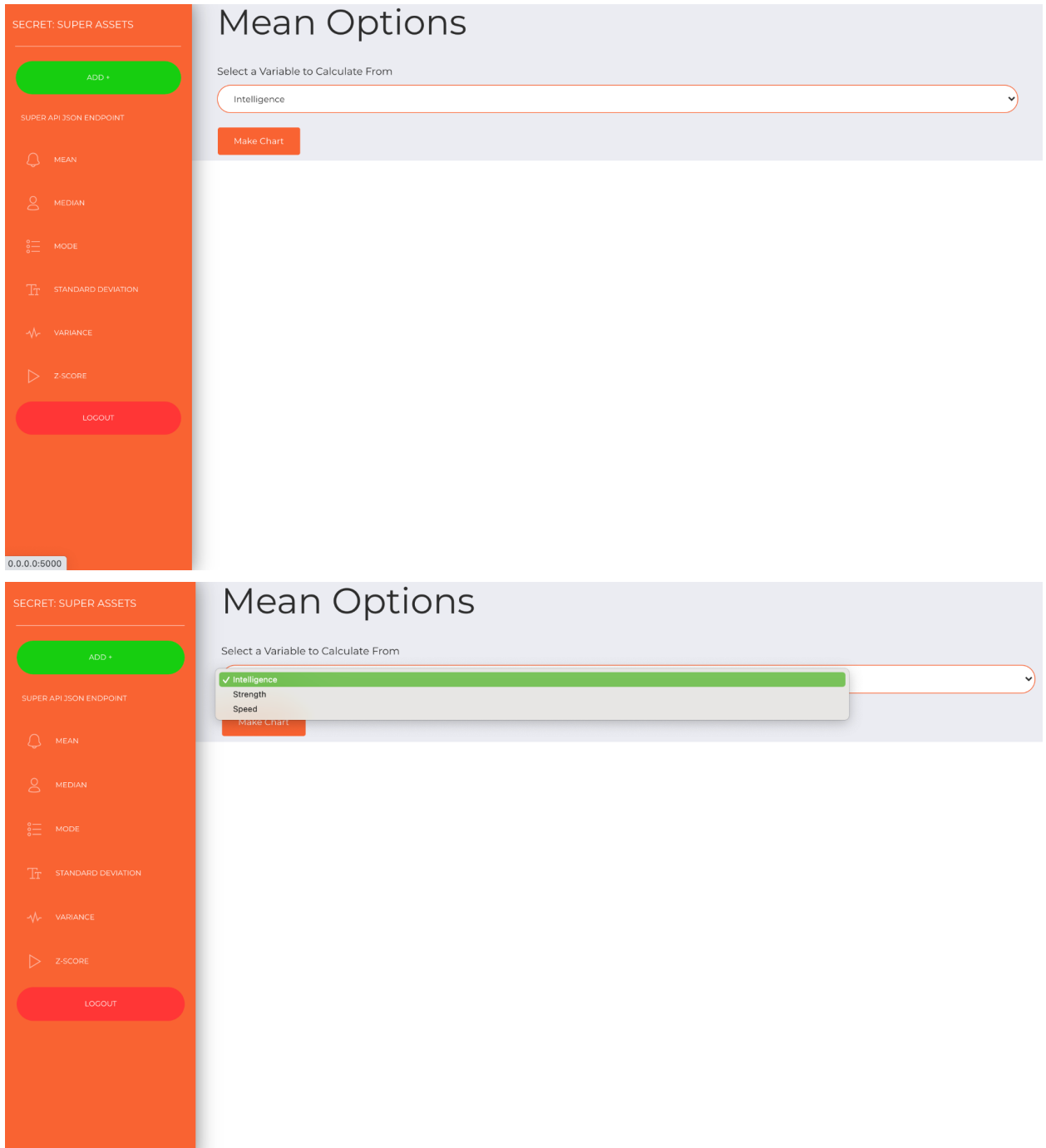
 VARIANCE

 Z SCORE

LOGOUT

Sauron	95	85	35	100	100	70
Mephisto	95	85	35	95	100	45
Thor God	90	85	70	85	100	70
Shedup	90	85	55	65	100	55
Crook	90	85	35	70	100	65
Miss Martian	85	85	60	100	100	45
Marvel Girl	85	85	50	45	100	80
Booster Gold	85	85	45	70	100	40
Exodus	85	85	30	30	100	70
Air-Walker	80	85	100	85	100	40
Green Lantern	80	85	45	65	100	65
Elrigan	80	85	20	100	100	50
Watcher	100	80	70	90	100	60
Century	95	80	55	65	100	100
Toxin	90	80	45	85	100	70
War Machine	85	80	65	100	100	85
Franklin Richards	85	80	50	60	100	50

ii. Choose Stat to get Median



iii. Click orange "Make" button chart to get results

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

Mean: 72

### c. Mode

#### i. Click on “Mode”

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

Sauron	95	85	35	100	100	70
Mephisto	95	85	35	95	100	45
Thor Girl	90	85	70	85	100	70
Shedro	90	85	55	65	100	55
Crook	90	85	35	70	100	65
Miss Martian	85	85	60	100	100	45
Marvel Girl	85	85	50	45	100	80
Booster Gold	85	85	45	70	100	40
Exodus	85	85	30	30	100	70
Air-Walker	80	85	100	85	100	40
Green Lantern	80	85	45	65	100	65
Elrigan	80	85	20	100	100	50
Watcher	100	80	70	90	100	60
Century	95	80	55	65	100	100
Toxin	90	80	45	85	100	70
War Machine	85	80	65	100	100	85
Franklin Richards	85	80	50	60	100	50

ii. Choose Stat to get Mode

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

## Mode Options

Select a Variable to Calculate From

Intelligence

Make Chart

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

## Mode Options

Select a Variable to Calculate From

- ✓ Intelligence
- Strength
- Speed

Make Chart


iii. Click orange "Make" button chart to get results





#### d. Standard Deviation

##### i. Click on "Standard Deviation"



SECRET: SUPER ASSETS	Seurion	95	85	35	100	100	70
ADD +	Meghista	95	85	35	95	100	45
SUPER API JSON ENDPOINT	Thor Girl	90	85	70	85	100	70
MEAN	Sinestro	90	85	55	65	100	55
MEDIAN	Croak	90	85	35	70	100	65
MODE	Miles Martian	85	85	60	100	100	45
STANDARD DEVIATION	Marvel Girl	85	85	50	45	100	80
VARIANCE	Rooster Gold	85	85	45	70	100	40
Z-SCORE	Exodus	85	85	30	30	100	70
LOGOUT	Air-Walker	80	85	100	85	100	40
	Green Lantern	80	85	45	65	100	65
	Elrigan	80	85	20	100	100	50
	Watcher	100	80	70	90	100	60
	Century	95	80	55	65	100	100
	Toxin	90	80	45	85	100	70
	War Machine	85	80	65	100	100	85
	Franklin Richards	85	80	50	60	100	50

ii. Choose Stat to get Standard Deviation

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

## Standard Deviation Options

Select a Variable to Calculate From

Intelligence

Make Chart

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

## Standard Deviation Options

Select a Variable to Calculate From

✓ Intelligence

Strength

Speed

Make Chart

iii. Click orange "Make" button chart to get results

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

Standard Deviation: 8.542437469355638

## e. Variance

### i. Click on “Variance”

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

Sauron	95	85	35	100	100	70
Mephisto	95	85	35	95	100	45
Thor Girl	90	85	70	85	100	70
Shedrop	90	85	55	65	100	55
Crook	90	85	35	70	100	65
Miss Martian	85	85	60	100	100	45
Marvel Girl	85	85	50	45	100	80
Rooster Gold	85	85	45	70	100	40
Exodus	85	85	30	30	100	70
Air-Walker	80	85	100	85	100	40
Green Lantern	80	85	45	65	100	65
Origan	80	85	20	100	100	50
Watcher	100	80	70	90	100	60
Century	95	80	55	65	100	100
Toxin	90	80	45	85	100	70
War Machine	85	80	65	100	100	85
Franklin Richards	85	80	50	60	100	50

## ii. Choose Stat to get Variance

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z SCORE

LOGOUT

## Variance Options

Select a Variable to Calculate From

Intelligence

Make Chart

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z SCORE

LOGOUT

## Variance Options

Select a Variable to Calculate From

✓ Intelligence

Strength

Speed

Make Chart

iii. Click orange "Make" button chart to get results

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

Variance: 72.97323791785116

f. Z-Score

i. Click on "Z-Score"

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

Seamon	95	85	35	100	100	70
Mephisto	95	85	35	95	100	45
Thor Girl	90	85	70	85	100	70
Shedrop	90	85	55	65	100	55
Crook	90	85	35	70	100	65
Miss Martian	85	85	60	100	100	45
Marvel Girl	85	85	50	45	100	80
Rooster Gold	85	85	45	70	100	40
Exodus	85	85	30	30	100	70
Air-Walker	80	85	100	85	100	40
Green Lantern	80	85	45	65	100	65
Origan	80	85	20	100	100	50
Watcher	100	80	70	90	100	60
Century	95	80	55	65	100	100
Toxin	90	80	45	85	100	70
War Machine	85	80	65	100	100	85
Franklin Richards	85	80	50	60	100	50

## ii. Choose Stat to get Z-Score

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

## ZScore Options

Select a Variable to Calculate From

Intelligence

Enter Raw Score:

Make Chart

SECRET: SUPER ASSETS

ADD +

SUPER API JSON ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

## ZScore Options

Select a Variable to Calculate From

✓ Intelligence

Strength

Speed

Make Chart

iii. Enter Raw Score

SECRET: SUPER ASSETS

ADD +

SUPER API 350N ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

VARIANCE

Z-SCORE

LOGOUT

## ZScore Options

Select a Variable to Calculate From

Intelligence

Enter Raw Score:

Make Chart

iv. Click orange "Make" button chart to get results

SECRET: SUPER ASSETS

ADD +

SUPER API 350N ENDPOINT

MEAN

MEDIAN

MODE

STANDARD DEVIATION

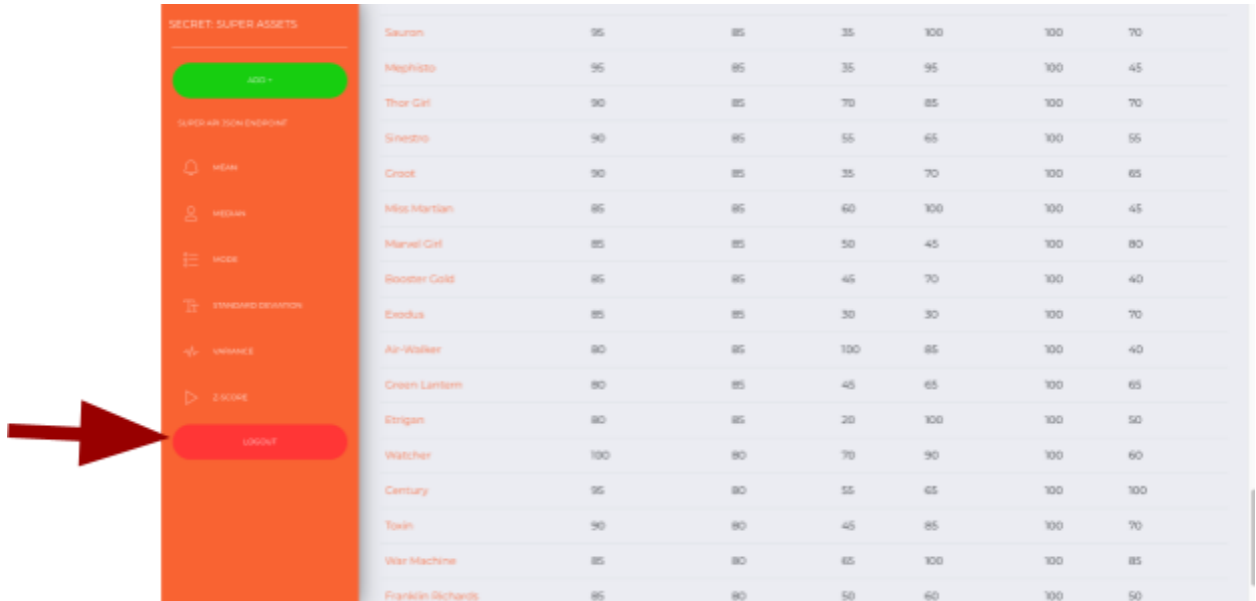
VARIANCE

Z-SCORE

LOGOUT

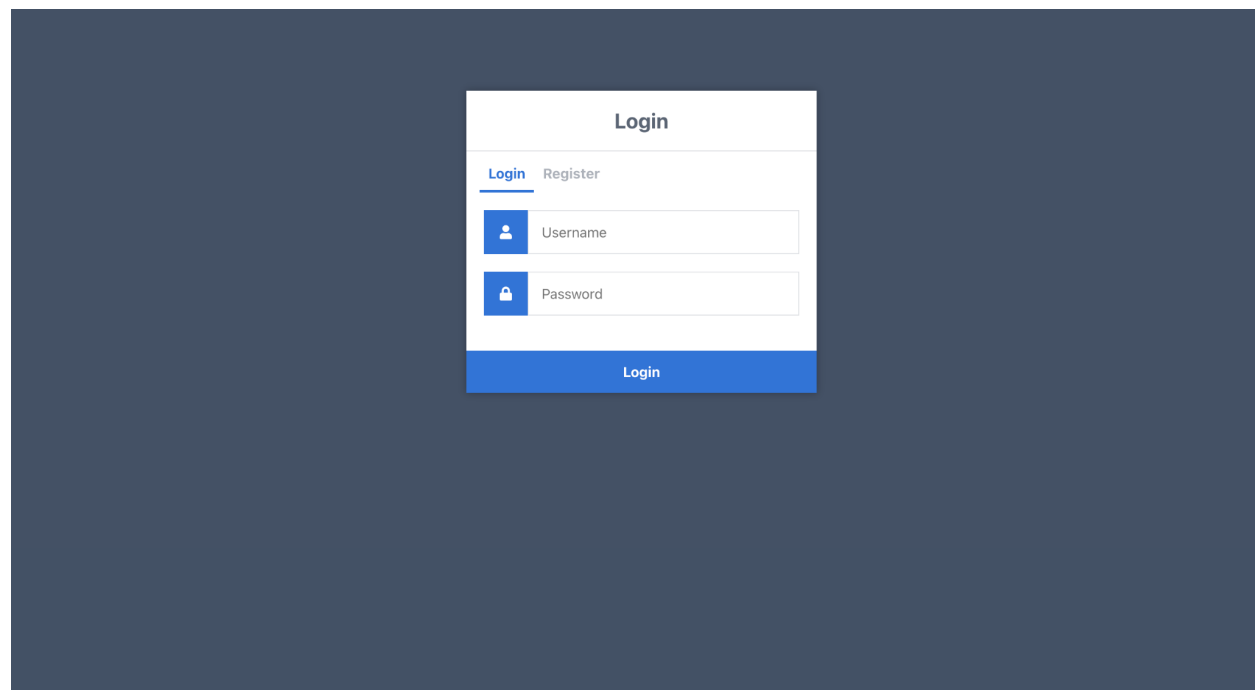
ZScore: -10.212263663073278

## 15. Logout



The screenshot shows a web application interface. On the left is an orange sidebar with the title 'SECRET: SUPER ASSETS'. Below the title is a green 'ADD +' button. Further down is a section titled 'SUPERMAN DUCK ENDPOINT' containing several menu items with icons: 'Home', 'Weapons', 'Wipe', 'Streaming provision', 'Inventory', and 'Score'. At the bottom of the sidebar is a red 'Logout' button, which is pointed to by a large red arrow. The main content area on the right displays a table with 7 columns and 15 rows of data. The table lists various characters and their associated numerical values.

Sauron	95	85	35	100	100	70
Meghito	95	85	35	95	100	45
Thor Gif	90	85	70	85	100	70
Shedro	90	85	55	65	100	55
Crook	90	85	35	70	100	65
Miss Martian	85	85	60	100	100	45
Marvel Gif	85	85	50	45	100	80
Rooder Gold	85	85	45	70	100	40
Exodus	85	85	30	30	100	70
Air-Walker	80	85	100	85	100	40
Green Lantern	80	85	45	65	100	65
Elrigan	80	85	20	100	100	50
Watcher	100	80	70	90	100	60
Century	95	80	55	65	100	100
Toxin	90	80	45	85	100	70
War Machine	85	80	65	100	100	85
Franklin Richards	85	80	50	60	100	50



The screenshot shows a login form titled 'Login' on a dark blue background. The form has a white background and contains the following elements:

- A title 'Login' at the top.
- Two tabs: 'Login' (active) and 'Register'.
- A 'Username' input field with a user icon on the left.
- A 'Password' input field with a lock icon on the left.
- A blue 'Login' button at the bottom.