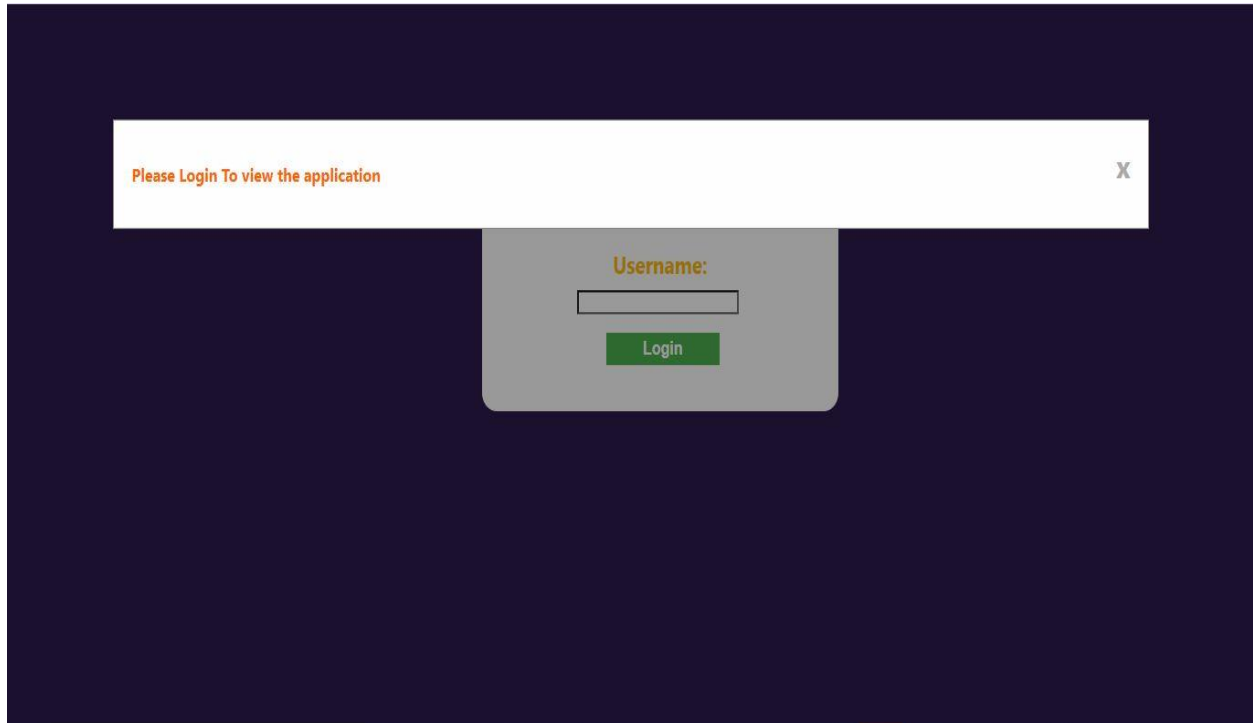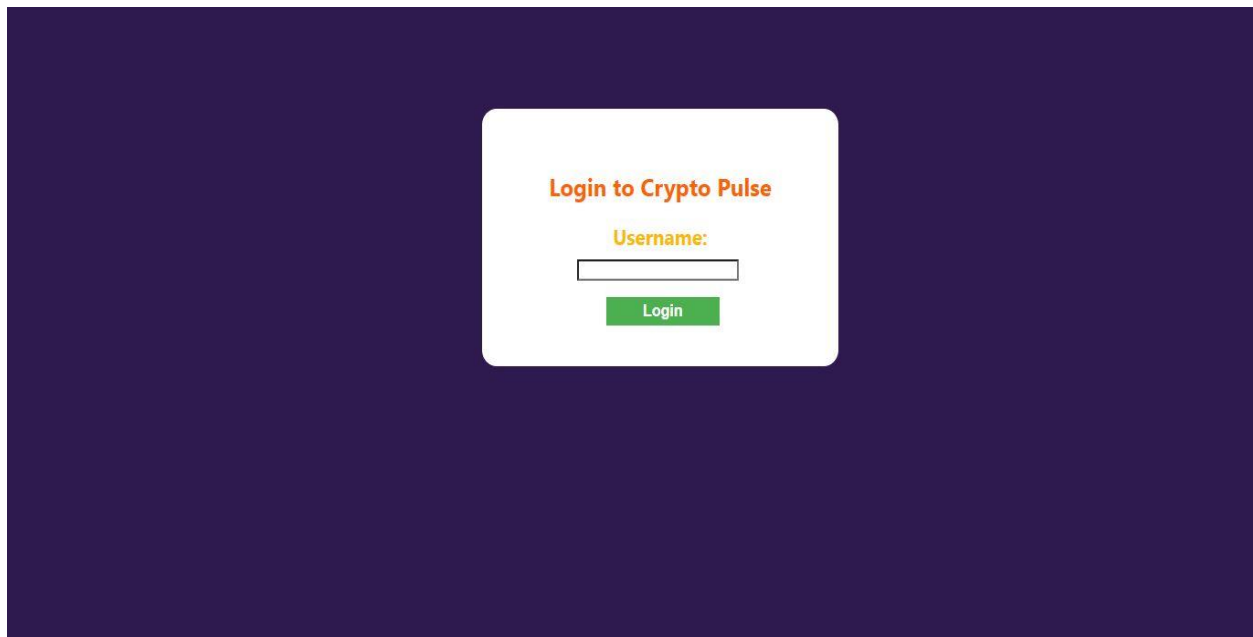# PROJECT WORKING

When the application is loaded, the user is prompted the following message:

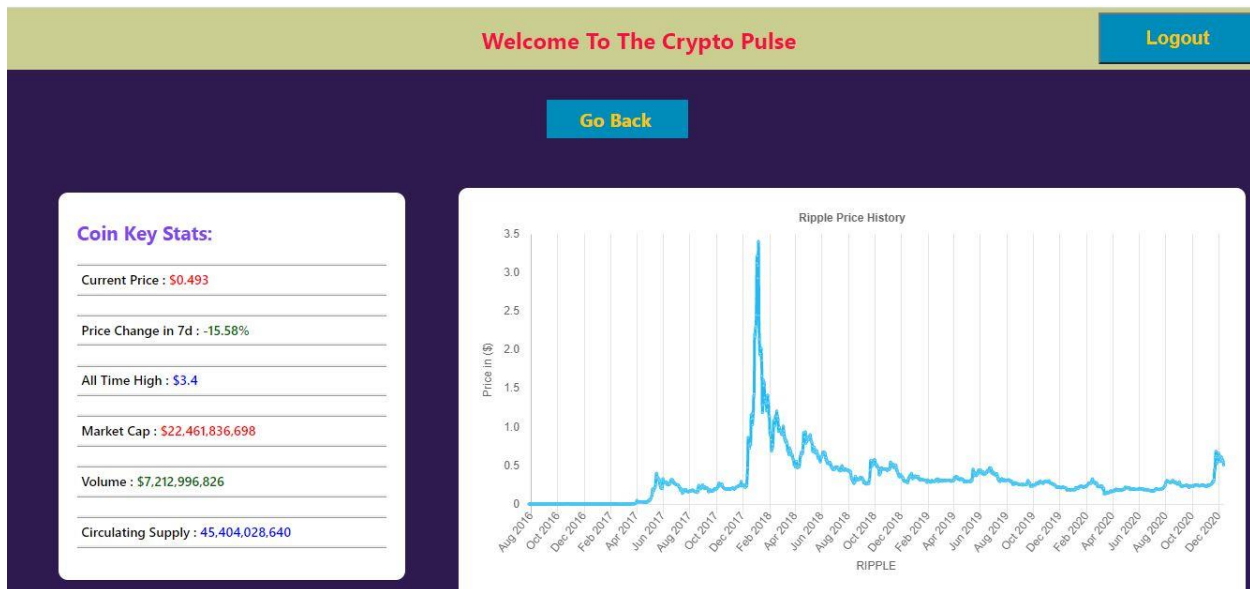**Login Page:**

Main Page:

On login, main page is displayed. The user has option to view top 10,50,100,200 crypto coins.

Coin Metrics Info Page:

Coin XRP(Ripple) is clicked, the following page is displayed:

Coin Ecosystem Links

HomePage
Block Explorer
Twitter
Github

Price Change(%) History

24h	7d	14d	30d	1y
-4.03%	-6.97%	-10.30%	33.20%	39.47%

What is XRP

Ripple is the catchall name for the cryptocurrency platform, the transactional protocol for which is actually XRP, in the same fashion as Ethereum is the name for the platform that facilitates trades in Ether. Like other cryptocurrencies, Ripple is built atop the idea of a distributed ledger network which requires various parties to participate in validating transactions, rather than any singular centralized authority. That facilitates transactions all over the world, and transfer fees are far cheaper than the likes of bitcoin. Unlike other cryptocurrencies, XRP transfers are effectively immediate, requiring no typical confirmation time. Ripple was originally founded by a single company, Ripple Labs, and continues to be backed by it, rather than the larger network of developers that continue bitcoin's development. It also doesn't have a fluctuating amount of its currency in existence. Where bitcoin has a continually growing pool with an eventual maximum, and Ethereum theoretically has no limit, Ripple was created with all of its 100 billion XRP tokens right out of the gate. That number is maintained with no mining and most of the tokens are owned and held by Ripple Labs itself — around 60 billion at the latest count. Even at the recently reduced value of around half a dollar per XRP, that means Ripple Labs is currently sitting on around $20 billion worth of the cryptocurrency (note: Ripple's price crashed hard recently, and may be worth far less than $60 billion by time you read this). It holds 55 billion XRP in an escrow account, which allows it to sell up to a billion per month if it so chooses in order to fund new projects and acquisitions. Selling such an amount would likely have a drastic effect on the cryptocurrency's value, and isn't something Ripple Labs plans to do anytime soon. In actuality, Ripple Labs is looking to leverage the technology behind XRP to allow for faster banking transactions around the world. While Bitcoin and other cryptocurrencies are built on the idea of separating financial transactions from the financial organizations of traditional currencies, Ripple is almost the opposite in every sense. XRP by Ripple price can be found on this page alongside the market capitalization and additional stats.

The user can go back to main page when he clicks the GO BACK button.

LOGOUT:

When we click a Logout button on main page, a message is displayed to the user regarding the logout success status.
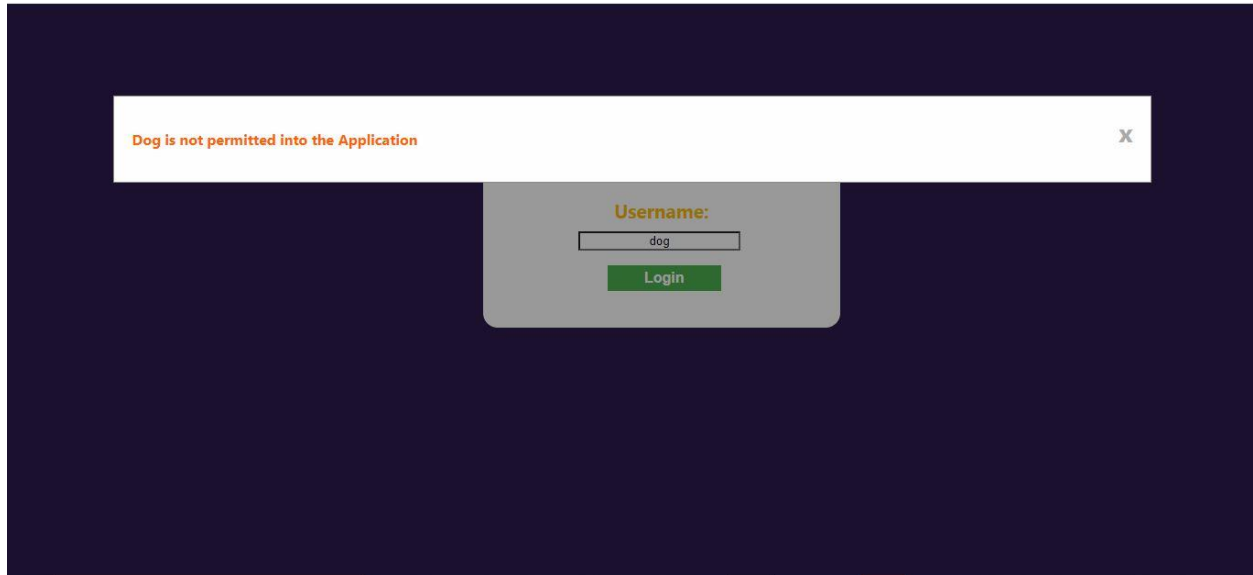

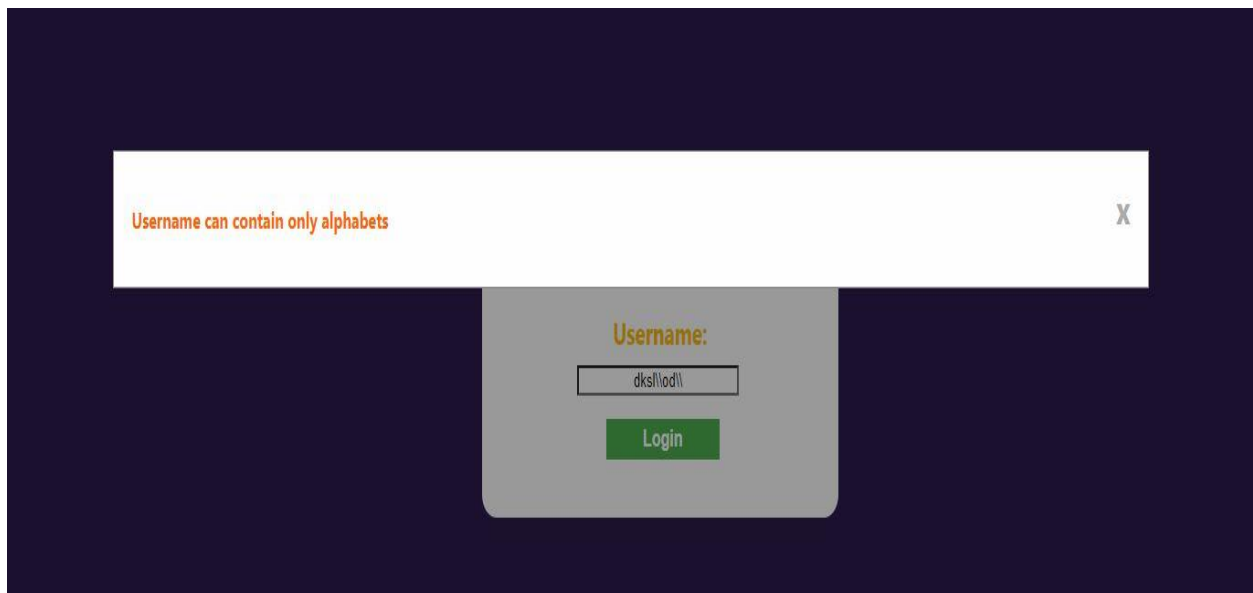JONABHI successfully logged out   X

Username:

Login

Error handling and authentication:

Username with "dog", is treated as invalid

Username with only alphabets are considered valid and application gives error if username contains special characters:

Some api calls return null data:

For example, for Crypto coin AAVE, there is no description and also it was created in past 6 months. So in the price table present in Coin Metric page it displays a "Coin Not created " message to the user for price change 1year ago.

Another example, When we click a coin on main page, the data returned is null. For example, when coin "Band Protocol"(band rank position is 92) the data returned is null. So we display following message to user: