

Design Document

The application is designed to display top crypto currencies and their current rates converted to a currency of the user's choice. It displays latest new articles about the crypto currency of the user's choice.

Step 1. Calling REST service to get the exchange rates to USD of every currency

<https://api.coincap.io/v2/rates>

Step 2. Calling REST service to get the list crypto currencies and rates in USD

<https://api.coincap.io/v2/assets>

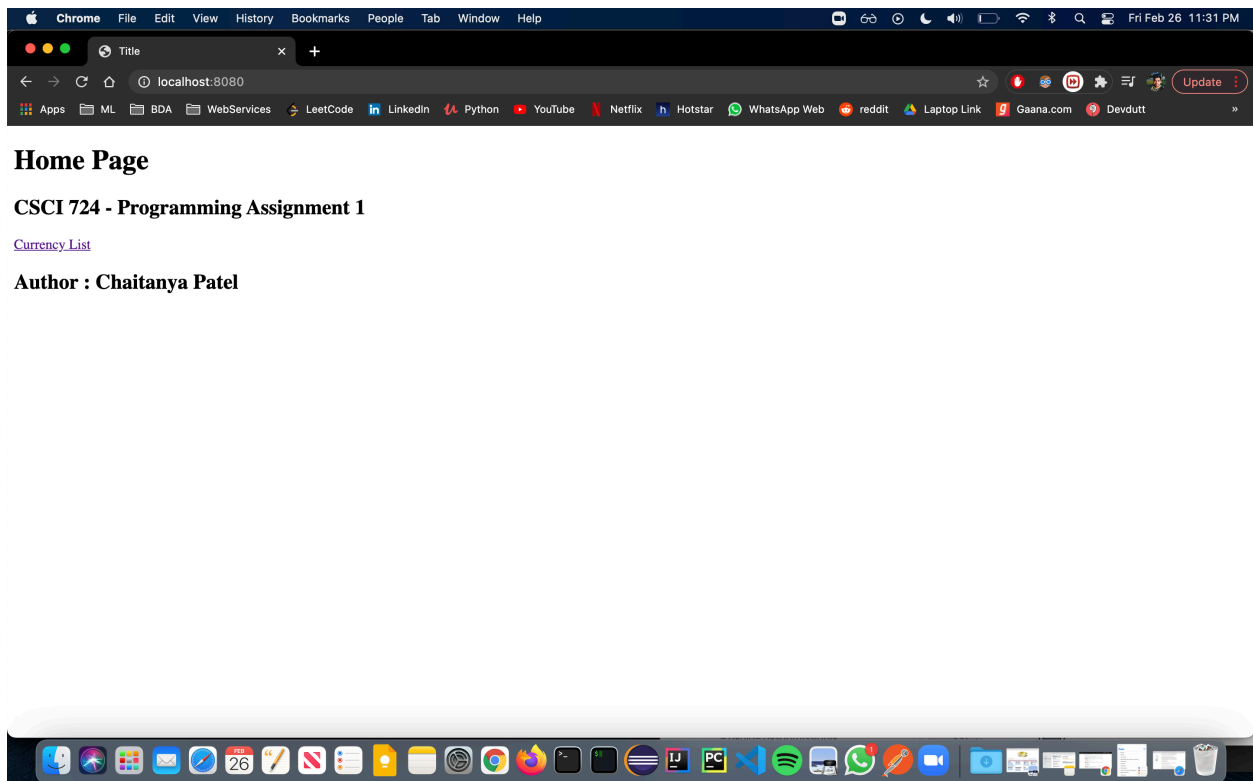
Step 3. Calling SOAP service to divide (Crypto Price in USD) by (Exchange Rate of selected currency to USD)

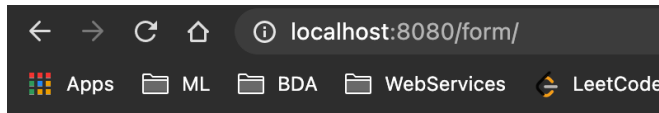
<http://www.dneonline.com/calculator.asmx>

Step 4. Calling REST service to get News by keyword

[https://gnewsapi.net/api/search?q=\[KEY_WORD\]&language=en&api_token=\[API_KEY\]](https://gnewsapi.net/api/search?q=[KEY_WORD]&language=en&api_token=[API_KEY])

Stepwise Screenshots of application:





Currency List Page

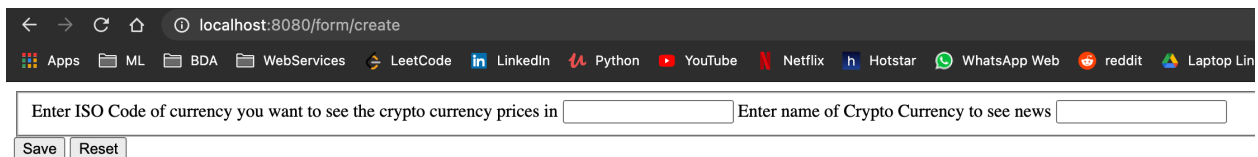
Currency ISO Code : Currency Name

- SLL : sierra-leonean-leone
- SRD : surinamese-dollar
- PYG : paraguayan-guarani
- LKR : sri-lankan-rupee
- GIP : gibraltar-pound
- IMP : manx-pound
- ZMW : zambian-kwacha
- CHF : swiss-franc
- BBD : barbadian-dollar
- AED : united-arab-emirates-dirham
- LRD : liberian-dollar
- TMT : turkmenistani-manat
- MRO : mauritanian-ouguiya-(pre-2018)
- DJF : djiboutian-franc
- TTD : trinidad-and-tobago-dollar
- JMD : jamaican-dollar
- AUD : australian-dollar
- COP : colombian-peso
- VEF : venezuelan-bolívar-fuerte
- SHP : saint-helena-pound
- DKK : danish-krone
- MGA : malagasy-ariary
- SGD : singapore-dollar
- BND : brunei-dollar
- AZN : azerbaijani-manat
- NPR : nepalese-rupee
- WAVES : waves
- KWD : kuwaiti-dinar
- ILS : israeli-new-sheqel
- DZD : algerian-dinar
- SEK : swedish-krona
- GNF : guinean-franc

Design Document

- DOGE : dogecoin
- YER : yemeni-rial
- MZN : mozambican-metical
- ERN : eritrean-nakfa
- LBP : lebanese-pound
- QAR : qatari-rial
- MAD : moroccan-dirham
- CUC : cuban-convertible-peso
- ISK : icelandic-króna
- SBD : solomon-islands-dollar
- GHS : ghanaian-cedi
- USDT : tether
- SZL : swazi-lilangeni
- KGS : kyrgystani-som
- SVC : salvadoran-colón
- VUV : vanuatu-vatu
- SSP : south-sudanese-pound
- IDR : indonesian-rupiah
- KPW : north-korean-won
- SYP : syrian-pound
- EGP : egyptian-pound
- CNY : chinese-yuan-renminbi
- BIF : burundian-franc
- MRU : mauritanian-ouguiya

[Fill form](#)

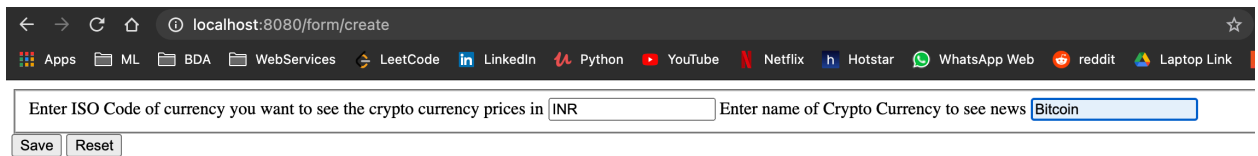


← → ↻ 🏠 📄 localhost:8080/form/create

Apps ML BDA WebServices LeetCode LinkedIn Python YouTube Netflix Hotstar WhatsApp Web reddit Laptop Link

Enter ISO Code of currency you want to see the crypto currency prices in Enter name of Crypto Currency to see news

Save Reset



← → ↻ 🏠 📄 localhost:8080/form/create

Apps ML BDA WebServices LeetCode LinkedIn Python YouTube Netflix Hotstar WhatsApp Web reddit Laptop Link

Enter ISO Code of currency you want to see the crypto currency prices in Enter name of Crypto Currency to see news

Save Reset

Design Document

