class BirdEyeClient:

"""

Handler class to assist with all calls to BirdEye API

"""

@property

def \_headers(self):

return {

"accept": "application/json",

"x-chain": "solana",

"X-API-KEY": Config.BIRD\_EYE\_TOKEN,

}

def \_make\_api\_call(self, method: str, query\_url: str, \*args, \*\*kwargs) -> requests.Response:

match method.upper():

case "GET":

query\_method = requests.get

case "POST":

query\_method = requests.post

case \_:

raise ValueError(f'Unrecognised method "{method}" passed for query - {query\_url}')

resp = query\_method(query\_url, \*args, headers=self.\_headers, \*\*kwargs)

return resp

def fetch\_prices(self, token\_addresses: list[str]) -> dict[str, PriceInfo[Decimal, Decimal]]:

"""

For a list of tokens fetches their prices

via multi-price API ensuring each token has a price

Args:

token\_addresses (list[str]): A list of tokens for which to fetch prices

Returns:

dict[str, dict[str, PriceInfo[Decimal, Decimal]]: Mapping of token to a named tuple PriceInfo with price and liquidity

Raises:

NoPositionsError: Raise if no tokens are provided

InvalidToken: Raised if the API call was unsuccessful

"""

def fetch\_token\_overview(self, address: str) -> TokenOverview:

"""

For a token fetches their overview

via multi-price API ensuring each token has a price

Args:

address (str): A token address for which to fetch overview

Returns:

dict[str, float | str]: Overview with a lot of token information I don't understand

Raises:

InvalidSolanaAddress: Raise if invalid solana address is passed

InvalidToken: Raised if the API call was unsuccessful