CRYPTO CURRENCY

Some Benefits of the Metaverse You Will Feel

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INTRODUCTION

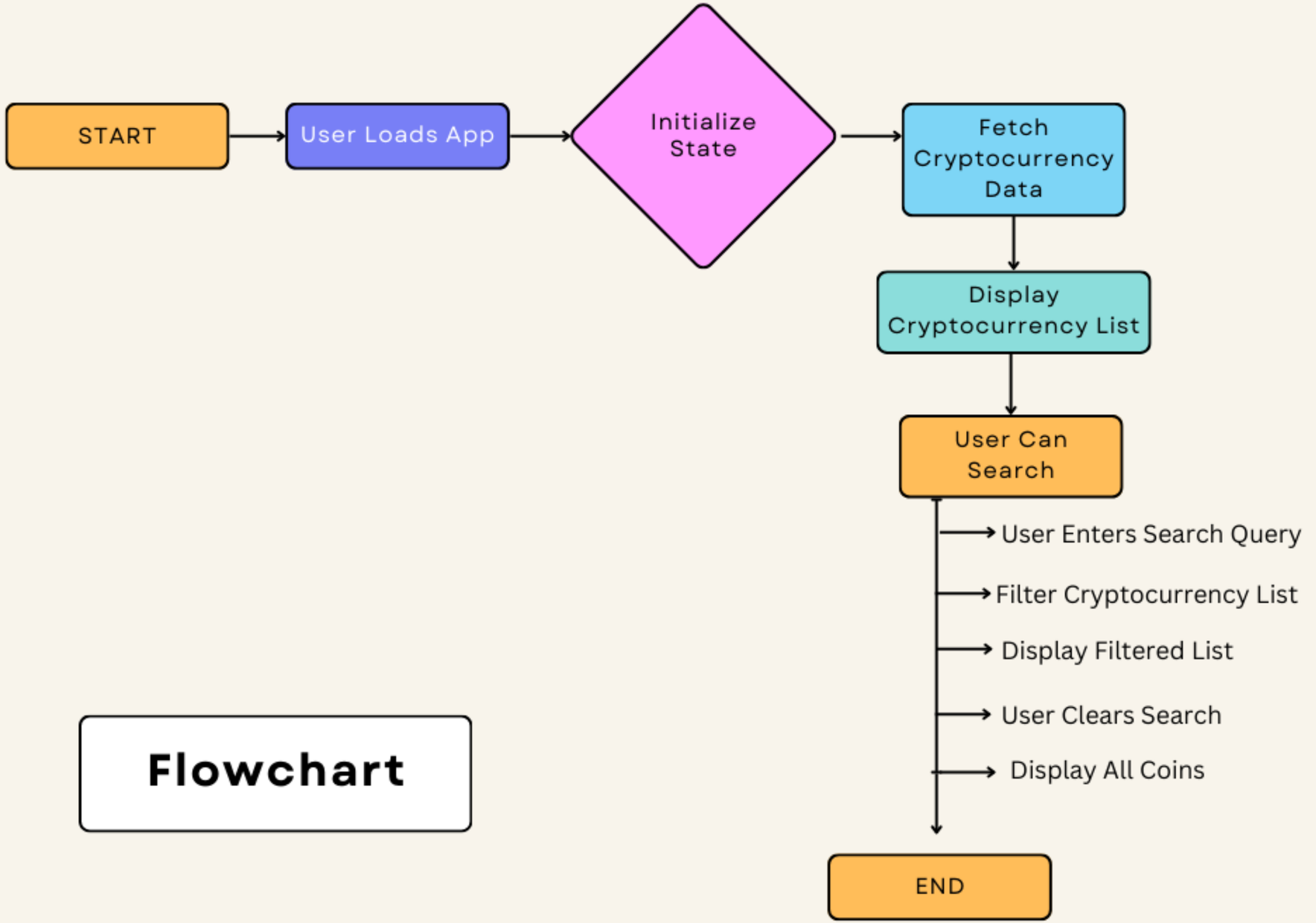
This document provides a detailed explanation of the React application designed for tracking cryptocurrency data. The application fetches cryptocurrency information from the CoinGecko API and allows users to search for specific coins by name.

TECHNOLOGIES USED

- JAVASCRIPT
- REACT
- **HTML**
- **CSS**
- **API**

KEY COMPONENTS

- Main Component: App
- Custom Component: Coin
- State Variables: coins and search
- External Dependencies
- User Interface Elements
- Routing

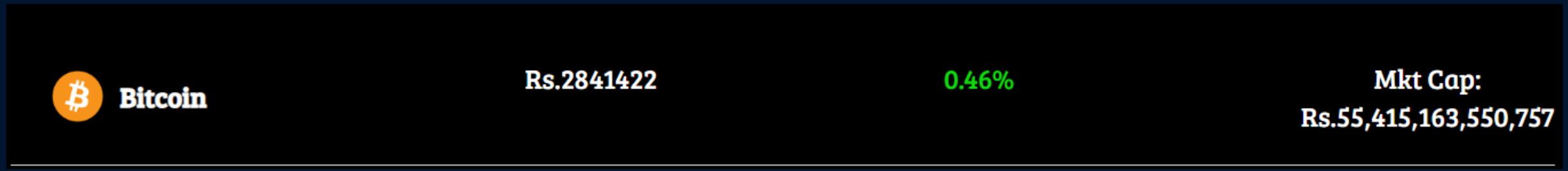

START
User Loads App
Initialize State
Fetch Cryptocurrency Data
Display Cryptocurrency List
User Can Search
User Enters Search Query
Filter Cryptocurrency List
Display Filtered List
User Clears Search
Display All Coins
END

Flowchart

Provide the coin name

Bitcoin	Rs.2828043	0.49%	Mkt Cap: Rs.55,214,129,638,840
Ethereum	Rs.148330	-1.04%	Mkt Cap: Rs.17,869,500,969,503
Tether	Rs.83.19	0.21%	Mkt Cap: Rs.7,003,860,455,143
BNB	Rs.18851.24	-0.94%	Mkt Cap: Rs.2,899,137,039,362
XRP	Rs.45.85	1.65%	Mkt Cap: Rs.2,455,386,940,474

APP.JS



COIN.JS

CONCLUSION

State Management: The use of React state variables (coins and search) to manage and update the application's data and user input.

API Integration: Utilizing the Axios library to make HTTP requests to the CoinGecko API for cryptocurrency data retrieval.

Dynamic Filtering: Implementing real-time filtering of cryptocurrency data based on user-provided search queries.

Component-Based Architecture: Utilizing React components to modularize the user interface and encapsulate functionality.

User Interaction: Allowing users to search for specific cryptocurrencies and see key information about them in real-time.