

# Gyan Astra

By

Bhavin Khatri(21MCA033)

Hafiza Mahida(21MCA041)

Under Guidance

of

Internal Guide

Dr. Mittal Desai

Submitted to



Smt. Chandaben Mohanbhai Patel Institute of Computer Applications

CHARUSAT

Changa

October/2022



Accredited with Grade A+ by NAAC,  
Accredited with Grade A by KCG

CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY

Changa

## **Acknowledgement**

Knowledge in itself is a continuous process. At this moment of our substantial enhancement, We rarely find words to express our gratitude towards those who were constantly involved with us.

The completion of any inter disciplinary project depends upon coordination, cooperation and combined efforts of several resources of knowledge, creativity, skill, energy and time. The work being accomplished now, We feel our most sincere urge to recall and knowledge through these lines, trying our best to give full credit wherever it deserves.

We would like to thank our project guide **Dr. Mittal Desai** and Dean & Principal **Dr. Atul Patel** who advised and gave us moral support through the duration of our project. Without their constant encouragement we could not have been able to achieve what we have.

It's our good fortune that we had support and well wishes of many. We are thankful to all and those names which have been forgotten to acknowledge here but contributions have not gone unnoticed.

With Sincere Regards,

**Bhavin Khatri (21MCA033)**

**Hafiza Mahida (21MCA041)**

## Table of Contents

Sr. No		Subject	Page Number
1		<b>Project Profile &amp; Company Profile</b>	<b>4</b>
2		<b>Introduction to tools</b>	<b>6</b>
3		<b>System Study</b>	<b>14</b>
	1.	Existing System	<b>15</b>
	2.	Proposed System	<b>15</b>
	3.	Scope of the Proposed System	<b>16</b>
	4.	Aim and Objective of the Proposed System	<b>16</b>
	5.	Feasibility Study	<b>16</b>
		Operational Feasibility	<b>16</b>
		Technical Feasibility	<b>16</b>
		Economic Feasibility	<b>16</b>
4		<b>System Analysis</b>	<b>17</b>
		Requirements Specification (along with System Modules)	<b>18</b>
		Use Case Diagram	<b>19</b>
		Activity Diagram	<b>20</b>
		Class Diagram	<b>22</b>
5		<b>System Design</b>	<b>23</b>
		Data Dictionary	<b>24</b>
		Screen Layouts	<b>25</b>
6		<b>System Testing</b>	<b>33</b>
		Test Cases	<b>34</b>
7		<b>Future Enhancement</b>	<b>35</b>
8		<b>References</b>	<b>36</b>

# Project Profile

## ❖ Project Profile

**Project Name:** Gyan Astra

**Type Of Application:** Mobile Application

**Project Description:** As a name suggest Gyan Astra is a mobile application where user can get knowledge (gyan) of Modern Era's Astra (Crypto Currency, NFT , PI Network , Stock Market).

**Team Size:** 2

**Front End:** React Native, Type Script

**Back End:** Rest APIS, Firebase Authentication

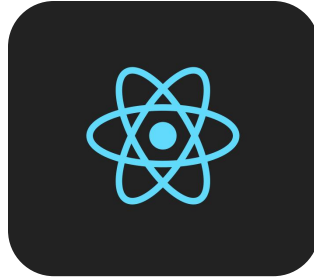
**Tools Used:** Web Storm, Android Studio

# Introduction to tools

## ❖ Introduction to Tools

### ➤ **Front End Tool:**

#### React Native



- React Native (also known as RN) is a popular JavaScript-based mobile app framework that allows you to build natively-rendered mobile apps for iOS and Android. The framework lets you create an application for various platforms by using the same codebase.
- React Native was first released by Facebook as an open-source project in 2015. In just a couple of years, it became one of the top solutions used for mobile development. React Native development is used to power some of the world's leading mobile apps, including Instagram, Facebook, and Skype. We discuss these and other examples of React Native-powered apps further in this post.
- There are several reasons behind React Native's global success.
- Firstly, by using React Native, companies can create code just once and use it to power both their iOS and Android apps. This translates to huge time and resource savings.
- Secondly, React Native was built based on React – a JavaScript library, which was already hugely popular when the mobile framework was released. We discuss the differences between React and React Native in detail further in this section.
- Thirdly, the framework empowered frontend developers, who could previously only work with web-based technologies, to create robust, production-ready apps for mobile platforms.

## Type Script



- Type Script is an open-source, object-oriented language developed and maintained by Microsoft, licensed under Apache 2 license
- Type Script extends JavaScript by adding data types, classes, and other object-oriented features with type-checking. It is a typed superset of JavaScript that compiles to plain JavaScript.
- Type Script compiles into simple JavaScript. The Type Script compiler is also implemented in Type Script and can be used with any browser or JavaScript engines like Node.js. Type Script needs an ECMAScript 3 or higher compatible environment to compile. This is a condition met by all major browsers and JavaScript engines today
- Some of the most popular JavaScript frameworks like Angular.js and WinJS are written in Type Script.
- **Features of Type Script**
  - Type Script is just JavaScript. Type Script starts with JavaScript and ends with JavaScript. Type Script adopts the basic building blocks of your program from JavaScript. Hence, you only need to know JavaScript to use Type Script. All Type Script code is converted into its JavaScript equivalent for the purpose of execution.
  - Type Script supports other JS libraries. Compiled Type Script can be consumed from any JavaScript code. Type Script-generated JavaScript can reuse all of the existing JavaScript frameworks, tools, and libraries.
  - JavaScript is Type Script. This means that any valid .js file can be renamed to .ts and compiled with other Type Script files.



## ➤ Back End Tool:

### Rest API's

First thing's first: let's demystify some of the jargon that you'll likely encounter when talking about, or working with, web API's

- An **API**, or Application Programming Interface, defines a way of communicating between software applications.
- **REST** stands for Representational State Transfer, and is an architectural style of creating web services that communicate with web resources.
- **JSON** stands for JavaScript Object Notation, and is a standard text-based format that's used to represent structured data.

If those definitions seem a bit opaque, don't worry! For the most part these are broad concepts that software developers use to inform the work they do. As an API user, as long as you have a general familiarity with the terms, you are good to go.

A note about names: when talking about web services that allow us to access resources over the web, we commonly say REST (or RESTful) API. In many cases, however, you may simply hear API used to refer to a REST API. You may have noticed that here in this guide, we're also using the phrase web API interchangeably with those terms. Any of the above is acceptable, and will be understood just fine in the context of "working with data services over the web".

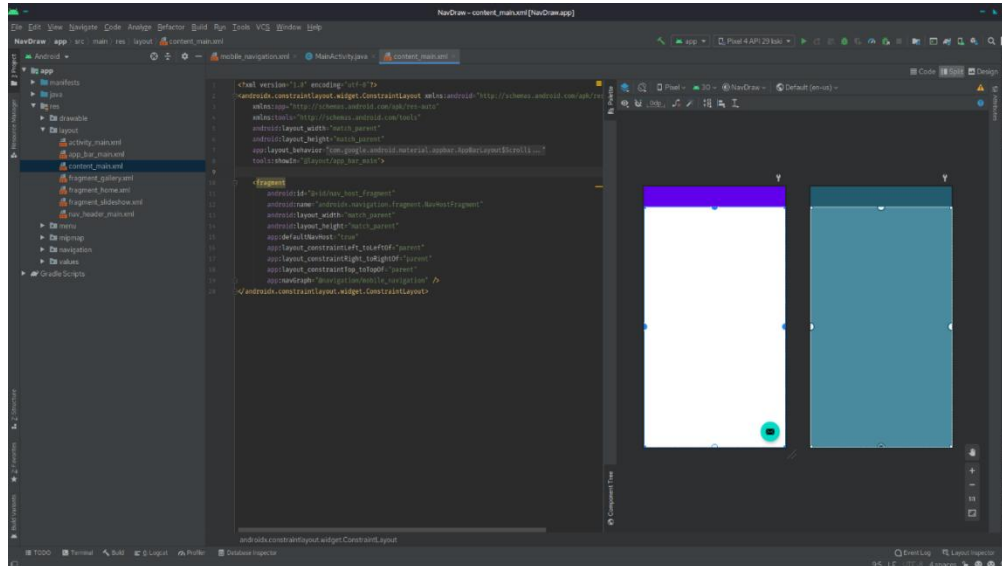
### Firestore Authentication

Firestore Authentication provides backend services, easy-to-use SDKs, and ready-made UI libraries to authenticate users to your app. It supports authentication using passwords, phone numbers, popular federated identity providers like Google, Facebook and Twitter, and more.

Firestore Authentication integrates tightly with other Firestore services, and it leverages industry standards like OAuth 2.0 and OpenID Connect, so it can be easily integrated with your custom backend.

## ➤ Development Tool:

### Android Studio



Android Studio is the official integrated development environment (IDE) for Google's Android operating system, built on JetBrains' IntelliJ IDEA software and designed specifically for Android development. It is available for download on Windows, macOS and Linux based operating systems or as a subscription-based service in 2020. It is a replacement for the Eclipse Android Development Tools (E-ADT) as the primary IDE for native Android application development.

Android Studio was announced on May 16, 2013 at the Google I/O conference. It was in early access preview stage starting from version 0.1 in May 2013, then entered beta stage starting from version 0.8 which was released in June 2014. The first stable build was released in December 2014, starting from version 1.0.

On May 7, 2019, Kotlin replaced Java as Google's preferred language for Android app development.

A specific feature of the Android Studio is an absence of the possibility to switch autosave feature off.

The following features are provided in the current stable version:

- Gradle-based build support
- Android-specific refactoring and quick fixes
- Lint tools to catch performance, usability, version compatibility and other problems
- ProGuard integration and app-signing capabilities

- Template-based wizards to create common Android designs and components
- A rich layout editor that allows users to drag-and-drop UI components, option to preview layouts on multiple screen configurations
- Support for building Android Wear apps
- Built-in support for Google Cloud Platform, enabling integration with Firebase Cloud Messaging (Earlier 'Google Cloud Messaging') and Google App Engine
- Android Virtual Device (Emulator) to run and debug apps in the Android studio.
- Android Studio supports all the same programming languages of IntelliJ (and CLion) e.g., Java, C++, and more with extensions, such as Go; and Android Studio 3.0 or later supports Kotlin and "all Java 7 language features and a subset of Java 8 language features that vary by platform version." External projects backport some Java 9 features. While IntelliJ states that Android Studio supports all released Java versions, and Java 12, it's not clear to what level Android Studio supports Java versions up to Java 12 (the documentation mentions partial Java 8 support). At least some new language features up to Java 12 are usable in Android.

Once an app has been compiled with Android Studio, it can be published on the Google Play Store. The application has to be in line with the Google Play Store developer content policy.

## **Web Storm**



Web Storm is an integrated development environment for coding in JavaScript and its related technologies, including Type Script, React, Vue, Angular, Node. js, HTML, and style sheets.

### **Features:**

- Specialized in JavaScript

Looking for a tool you can trust for even the trickiest parts of your JavaScript development? We've been refining Web Storm for over 10 years to make coding a more enjoyable experience. Whether you work with JS, TS, React, Vue, Angular, Node.js, HTML, or style sheets, Web Storm has you covered.

- The smartest editor

Web Storm deeply understands your project structure and can assist you with every aspect of writing code. It will auto complete your code, detect and suggest fixes for errors and redundancies, and help you refactor code safely.

- Built-in developer tools

One of the best parts of working in an IDE is that all of your essential tools are available in one place. Use Web Storm to debug and test your client-side and Node.js apps as well as to work with version control. Take advantage of the linters, build tools, terminal, and HTTP client, which are all integrated with the IDE.

- Fast navigation and search

Move through your code faster, regardless of how large your projects are. Look for files, classes, or symbols, and review all the matches in one place. Jump to the definition for any function, method, variable, component, or class, and find its usages in a few clicks.

- Efficient teamwork

Onboard new teammates faster with all key functionality prepackaged. Code together in real time and talk to others right from the IDE. Share your project configuration, including code style settings, and work efficiently with Git and GitHub.

- Customizable environment

Want to extend the built-in functionality? Tailor Web Storm's look and feel to your liking by experimenting with things like themes and plugins. Save your custom settings and share them between different instances of Web Storm.

# System Study

### ➤ **Existing System**

- In the existing systems, there are many trading apps which focus on only one domain such as only Crypto, only Stock, or only NFTs, etc.
- In the Existing system there is limitations of providing the critical information and updates to the user, such as related news of the respective domain which can help them for making growth.

### ➤ **Proposed System**

- The Proposed system works online and offline for some concerned tasks.
- It provides past 24 hours news and related information to the user.
- The proposed system provides the live prices of Crypto Currency
- The user can also can check the history and related information of the respective domain.
- It also redirects the user to the official sites of the respective domain.
- It also shows user the trending trading apps.

### ➤ **Scope of the Proposed System**

- As of now the App is limited to only android users.
- The proposed system is not having payment integration which restricts the user to live trading.

### ➤ **Aim and objective of the proposed system**

- The aim and objective of Gyan Astra is to make user known about the modern era's Astra such as Crypto Currency, Stocks, NFTs, etc.
- The proposed system helps user to be prepared and enough knowledgeable before entering into the real trading world.
- We want that through the proposed user always stays updated in all particular domain or in interested domain.

## ➤ **Feasibility Study**

### **A. Operational Feasibility**

- ◆ User can operate the Application through mobile phone.
- ◆ Requires Internet

### **B. Technical Feasibility**

- ◆ User needs to have an android phone having version more than 5.0

### **C. Economic Feasibility**

- ◆ For this Application we have used android studio and web storm for development, which are open-source software.
- ◆ We just used Internet for finding some solutions.

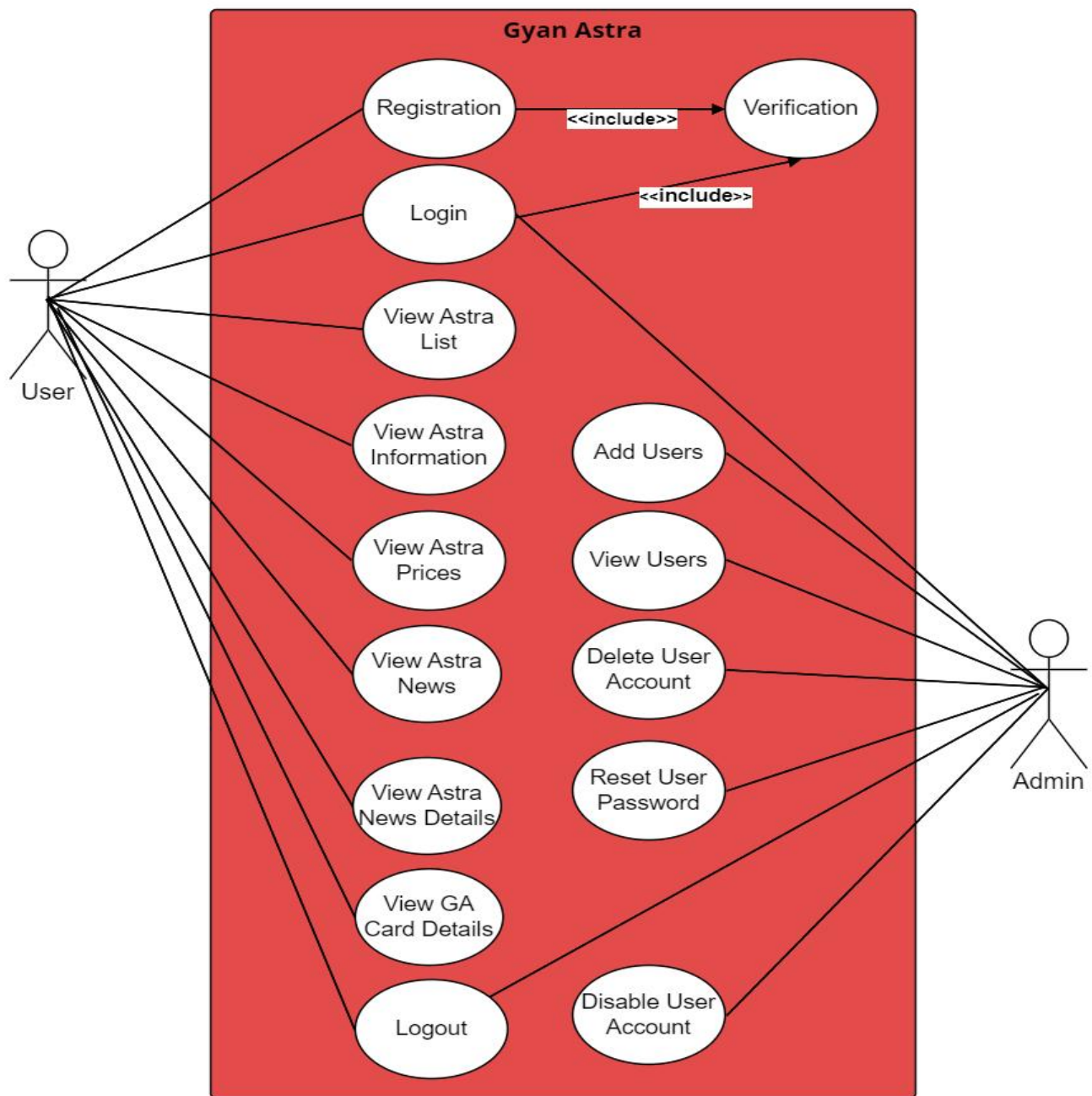


# System Analysis

## **Requirement Specification**

- **User:** Android device with android version 4.1 minimum.  
Standard Internet Connection for concerned tasks.
- **Admin:** Desktop with Standard Internet Connection.

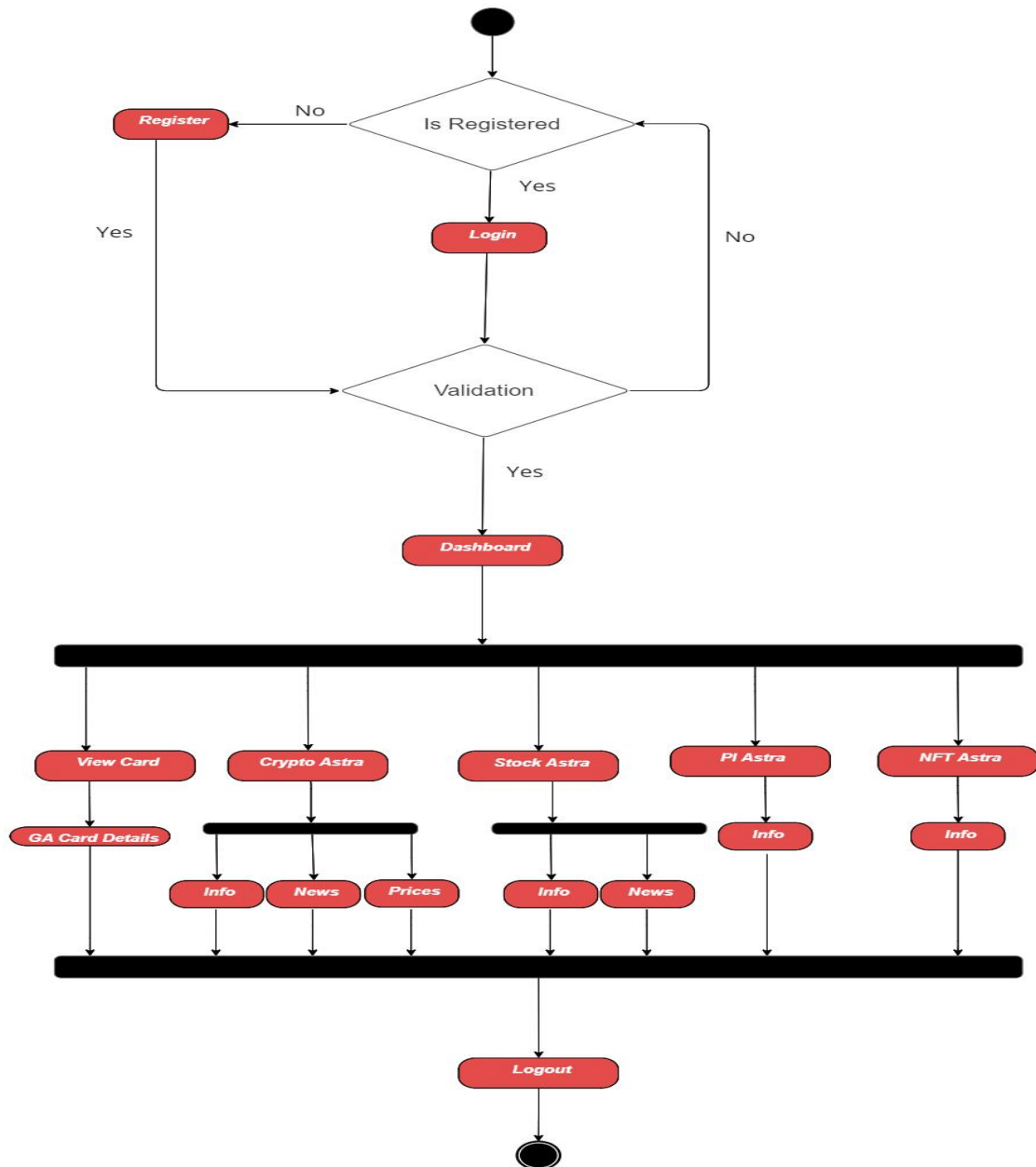
## Use Case Diagram



## Activity Diagram

### USER

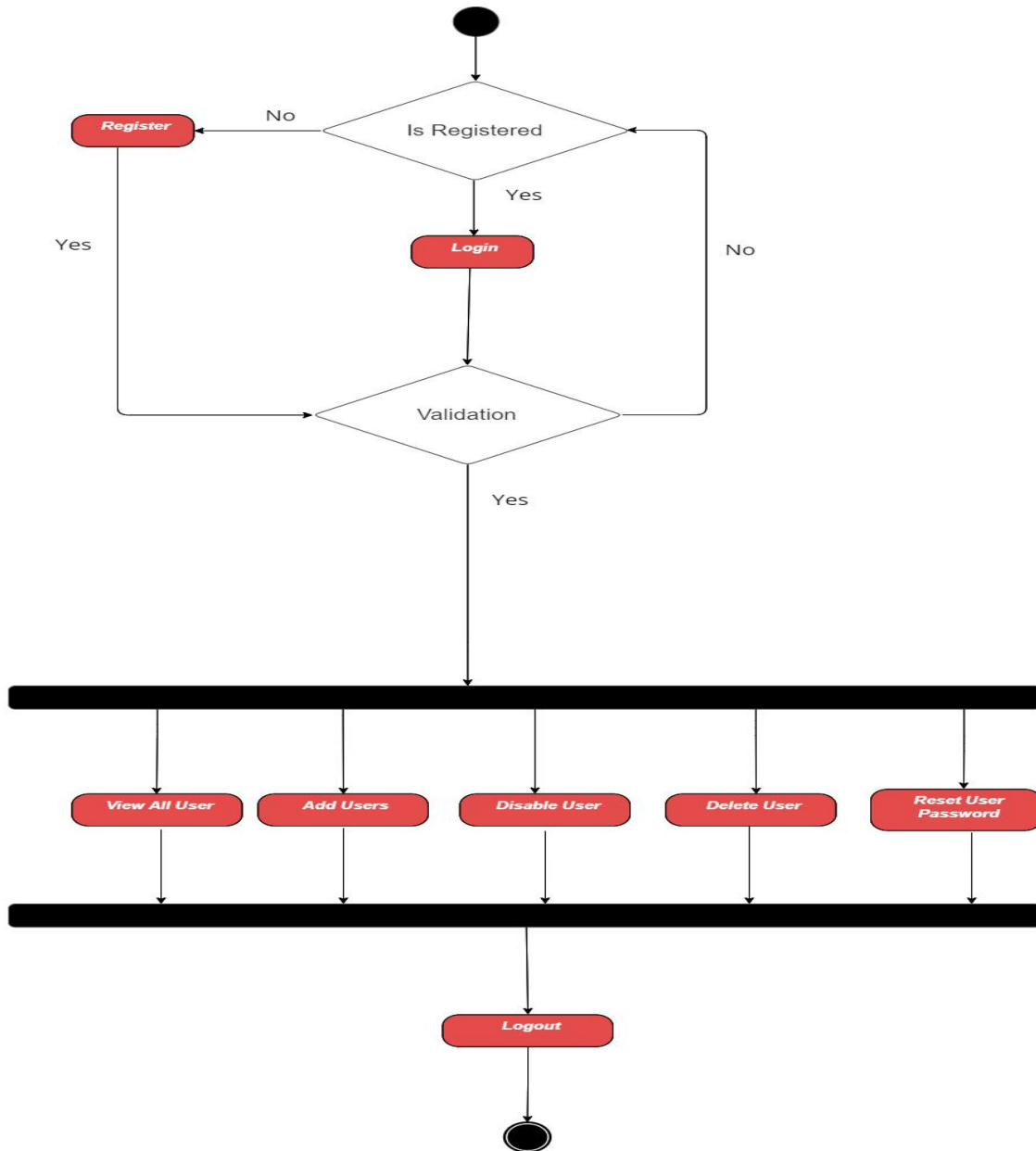
Visual Paradigm Online Free Edition



Visual Paradigm Online Free Edition

**ADMIN**

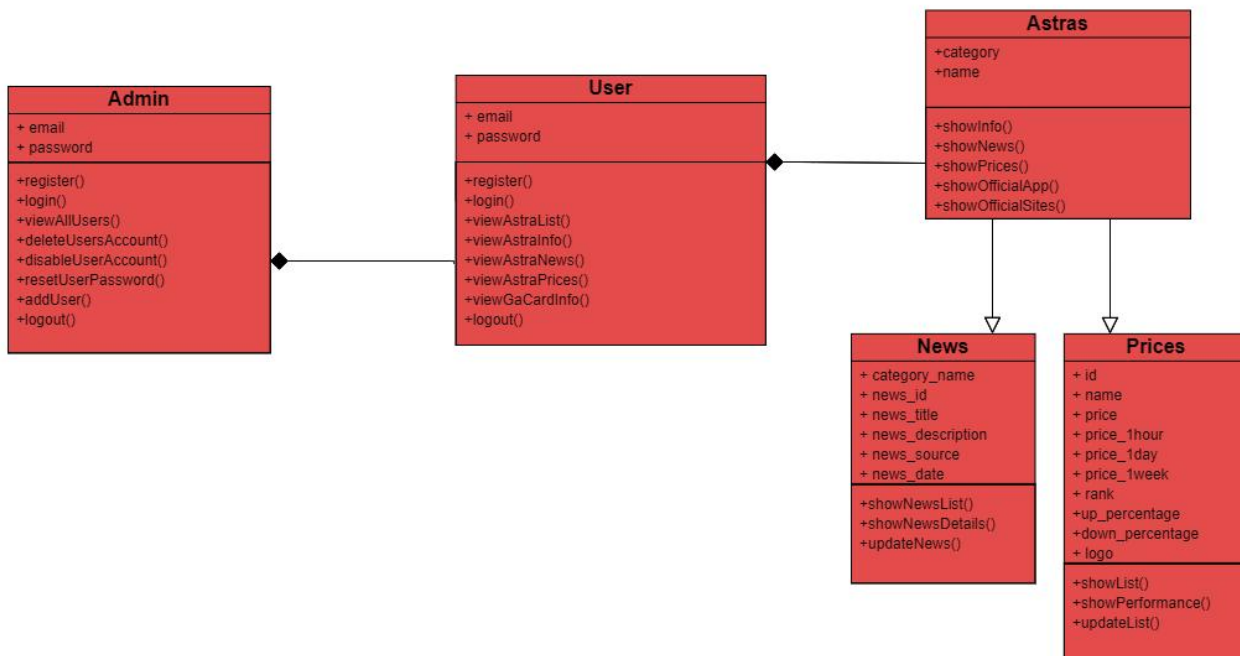
Visual Paradigm Online Free Edition



Visual Paradigm Online Free Edition

## Class Diagram

Visual Paradigm Online Free Edition



Visual Paradigm Online Free Edition

# System Design

## Data Dictionary

- User Details table

COLUMN	TYPE	CONSTRAIN	DESCRIPTION
User uid	Varchar (50)	Primary Key	Id of User
User_name	Varchar (50)		Name of user
Email	Varchar (50)		Email id of user
Password	Varchar (50)		Password of user
Created	Date		User creation date
Signed In	Date		User logged date
Provider	Varchar (50)		Email

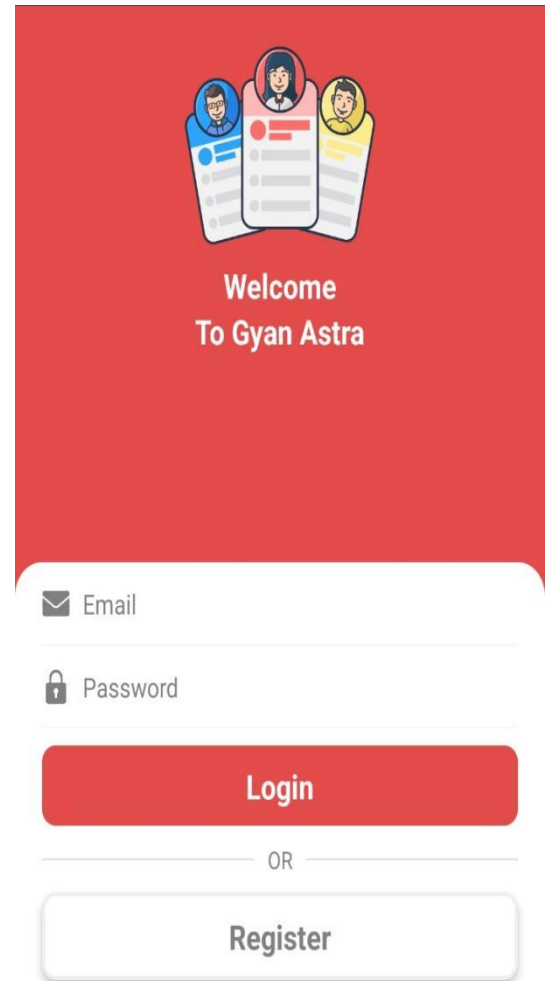


## Screen Layouts


### Splash Screen




### Login Screen





## Register Screen



**Create Account**

 Email

 Password

 Confirm Password

**Register**

OR

**Login**

## Home Screen

**Gyan Astra**



Welcome **bk2@gmail.com**

My Funds  
₹ 400

 View Card

**VISA**  
Platinum

### Modern Era Astra's



Crypto Astra



Stock Astra



PI Astra



NFT Astra

### services



Deposit Funds



Withdraw Funds

### Refer & Earn



Refer & earn ₹20 per referral

### Have Coupon Code?

Claim your reward



## Crypto Information

## Crypto Coin List



### Crypto Astra

#### What Is the Crypto Astra?

Cryptocurrency is a digital payment system that doesn't rely on banks to verify transactions. It's a peer-to-peer system that can enable anyone anywhere to send and receive payments. Instead of being physical money carried around and exchanged in the real world, cryptocurrency payments exist purely as digital entries to an online database describing specific transactions. When you transfer cryptocurrency funds, the transactions are recorded in a public ledger. Cryptocurrency is stored in digital wallets.

Cryptocurrency received its name because it uses encryption to verify transactions. This means advanced coding is involved in storing and transmitting cryptocurrency data between wallets and to public ledgers. The aim of encryption is to provide security and safety.

The first cryptocurrency was Bitcoin, which was founded in 2009 and remains the best known today. Much of the interest in cryptocurrencies is to trade for profit, with speculators at times driving prices skyward.

#### KEY TAKEAWAYS

- They are secured by cryptography codes and locked using a public cryptographic system. Every owner has a private key. So, no one can access that private key other than the owner.
- One of their disadvantages is the irreversibility of transactions
- There is no need for permission: You do not need to take a permit from anybody while using it
- Super-fast: Another great feature is that they are super-fast. If you initiate a transaction, it is immediately caught up in the network and confirmed within two minutes.
- These currencies do not care about the specific location: Cryptocurrencies do not care about the owner's physical location

#### Crypto Trading Apps



WazirX



CoinDCX



Binance



CoinSwitch



CoinBase

#### Official Website

Head to the official website



Information



Drinac



Nowre



### Prices

	<b>Bitcoin</b> BTC	₹ 1355312.30 -0.210 %
	<b>Ethereum</b> ETH	₹ 101750.55 -0.090 %
	<b>Tether</b> USDT	₹ 80.52 +0.100 %
	<b>BNB</b> BNB	₹ 22677.20 -0.520 %
	<b>USD Coin</b> USDC	₹ 80.67 +0.020 %
	<b>Binance USD</b> BUSD	₹ 80.59 +0.000 %
	<b>XRP</b> XRP	₹ 29.80 -0.620 %
	<b>Dogecoin</b> DOGE	₹ 7.23 -2.390 %
	<b>Cardano</b> ADA	₹ 27.73 -0.280 %
	<b>Polygon</b> MATIC	₹ 76.08 -1.240 %
	<b>Polkadot</b> DOT	₹ 460.05 -0.130 %
	<b>Lido Staked Ether</b> STETH	₹ 100340.83 +0.350 %
	<b>Shiba Inu</b> SHIB	₹ 0.00 -0.800 %
	<b>Solana</b> SOL	₹ 1218.75 -1.270 %
	<b>Dai</b> DAI	₹ 80.75 -0.110 %
	<b>TRON</b> TRX	₹ 4.39 -0.370 %
	<b>Litecoin</b> LTC	₹ 4866.80 +0.220 %
	<b>Uniswap</b> UNI	₹ 446.87 -0.560 %
	<b>Wrapped Bitcoin</b> WBTC	₹ 1350207.25 -0.610 %
	<b>Avalanche</b> AVAX	₹ 1069.10 -0.150 %
	<b>Cosmos Hub</b> ATOM	₹ 889.73 -0.220 %
	<b>Chainlink</b> LINK	₹ 510.42 -1.070 %
	<b>Ethereum Classic</b> ETC	₹ 1666.50 -0.070 %
	<b>Stellar</b> XLM	₹ 7.39 -0.570 %

## Crypto News List

The screenshot displays a mobile application interface for tracking cryptocurrency prices. At the top, a dark header bar contains a back arrow and the title "Prices". Below this, a list of cryptocurrencies is shown with their respective icons, names, abbreviations, current prices in Indian Rupees (₹), and percentage changes. The list includes Bitcoin (BTC), Ethereum (ETH), Tether (USDT), BNB, and USD Coin.

A modal window is open, providing a detailed view for Bitcoin (BTC). It features the Bitcoin icon, the text "Bitcoin (BTC)", and a "Rank: 1" indicator. The current price is listed as ₹1355312.30. Below the price, the section "Coin Performance" shows the price change over different time intervals: 1 hour (-0.210%), 1 day (-3.220%), and 1 week (-21.000%). At the bottom of the modal, there are two buttons: "Website" with a globe icon and "Twitter" with the Twitter bird icon. Below the modal, a red "Buy" button and a green "Sell" button are visible.

Coin	Price (₹)	Change (%)
Bitcoin (BTC)	₹1355312.30	-0.210%
Ethereum (ETH)	₹101750.55	-0.090%
Tether (USDT)	₹80.52	+0.100%
BNB	₹22677.20	-0.520%
USD Coin	₹80.67	

Bitcoin (BTC) Performance	
Price Change 1 Hour	-0.210%
Price Change 1 Day	-3.220%
Price Change 1 Week	-21.000%

<		
Bitcoin miners zetten Bitcoin in de verkoop	CryptoBenelux	12 Nov 2022
Binance CEO Calls Out Renowned Bloomberg for Publishing Fake News	Coin Edition	12 Nov 2022
Risks of ETH staking	Reddit r/ethereum	12 Nov 2022
Censorship makes scammers life much easier, as scammers know how to comfort the moderators to reach th...	Reddit r/btc	12 Nov 2022
VISA prepaid card — KYC?	Reddit r/btc	12 Nov 2022
Ripple Lawsuit: VC Firm Makes Strong Case Why XRP Shouldn't Be Considered Security	U.TODAY	12 Nov 2022
Ripple Lawsuit: SEC's Win Against This Blockchain Firm In High-Profile Securities Case Unnerves XRP Army	Zycrypto	12 Nov 2022
Singapore And New York Regulators Explore Cross-border CBDC Payments	Zycrypto	12 Nov 2022
Why do some people consider SLP a giant wasteful attempt at on-chain tokens? From feedback I get, it's the o...	Reddit r/btc	12 Nov 2022
When you ask Scam Bankrun Fraud to explain what's this "effective altruism" he says he believes in	Reddit r/bitcoin	12 Nov 2022
Justin Sun tells how much he spent to buy Huobi	Cryptopolitan	12 Nov 2022
Bear Grip Tightens on SOL Prices as FTX Hack Fret Investors	Coin Edition	12 Nov 2022
Bitcoin will shrug off FTX 'black swan' just like Mt. Gox — analysis	CoinTelegraph	12 Nov 2022
@binance: With Web3 on the horizon, we thought you might want to learn a little more about its core concepts. ...	Binance Twitter	12 Nov 2022
Sandbox collaborates with LEAPR Studios to expand into LATAM Region via metaverse	todayNFTNews	12 Nov 2022
'DOGE To The Moon': Elon Musk Starts Talk With Dogecoin Mention	CoinGape	12 Nov 2022

## Crypto News Details



## News Details



### Binance CEO Calls Out Renowned Bloomberg for Publishing Fake News

Coin Edition 12 Nov 2022

Binance CEO tagged a report by Bloomberg as poop journalism Bloomberg reported that Binances reserves comprised primarily of an owned token BUSD CEO Zhao said its exchange is not the issuer of BUSD and the tokens remain in the form its user sent them Changpeng Zhao CZ the CEO of the largest crypto exchange Binance

[Read more](#)

## NFT Information



## NFT Astra

### What Is the NFT Astra?

NFT means non-fungible tokens (NFTs), which are generally created using the same type of programming used for cryptocurrencies. In simple terms these cryptographic assets are based on blockchain technology. They cannot be exchanged or traded equivalently like other cryptographic assets.

Like Bitcoin or Ethereum. The term NFT clearly represents it can neither be replaced nor interchanged because it has unique properties. Physical currency and cryptocurrency are fungible, which means that they can be traded or exchanged for one another.

### KEY TAKEAWAYS

- Digital Asset - NFT is a digital asset that represents Internet collectibles like art, music, and games with an authentic certificate created by blockchain technology that underlies Cryptocurrency.
- Unique - It cannot be forged or otherwise manipulated
- Exchange - NFT exchanges take place with cryptocurrencies such as Bitcoin on specialist sites

### Top NFT Creators app



GoArt



Bored ape  
creator



UniPixel

### Official Website

[Head to the official website](#)



## Stock Information

### < Stock Astra

#### What Is the Stock Astra?

The term stock market refers to several exchanges in which shares of publicly held companies are bought and sold. Such financial activities are conducted through formal exchanges and via over-the-counter (OTC) marketplaces that operate under a defined set of regulations.

Both "stock market" and "stock exchange" are often used interchangeably. Traders in the stock market buy or sell shares on one or more of the stock exchanges that are part of the overall stock market

#### KEY TAKEAWAYS

- Stock markets are venues where buyers and sellers meet to exchange equity shares of public corporations.
- Stock markets are components of a free-market economy because they enable democratized access to investor trading and exchange of capital.
- Stock markets create efficient price discovery and efficient dealing.

#### Top Stock Trading Apps



Angle One



Groww



Olymp Trade



Kotak Stock



Investing.com



Upstox Old

#### Official Website

Head to the official website



Information



News

## Stock News

### < News

**Mansion Global: Beverly Hills mansion donated to charity by Jeff Bezos ex-wife MacKenzie Scott sells for \$3...**

MarketWatch

20 Jan 1970



**Market Snapshot: Investors may be whistling past the graveyard of a recession with latest rally in stocks**

MarketWatch

20 Jan 1970



**Your Weekend Reading: The Sudden Implosion of a Crypto Empire**

Bloomberg

20 Jan 1970



**Mansion Global: Tom Brady and Gisele Bündchen finalize divorce and begin life as South Florida neighbors**

MarketWatch

20 Jan 1970



**Barron's: Global ultrahigh-net-worth population has fallen in 2022 – first decline in four years**

MarketWatch

20 Jan 1970



**FTX Debacle Shows Need for Crypto Regulation, Yellen Says**

Bloomberg

20 Jan 1970



**Migrants at Manston to Be Vaccinated Against Diphtheria Following Spike in Cases**

Bloomberg

20 Jan 1970



**Ukraine Latest: Biden Aide Hails**



Information



News

## Stock News Details



### News Details



**Market Snapshot: Investors may be whistling past the graveyard of a recession with latest rally in stocks**

MarketWatch 12 Nov 2022

Investors feeling giddy about last weeks sharp rally for stocks might want to give a listen to Tom Waits song Whistlin Past the Graveyard from to sober up for the dangers that still lurk ahead

[Read more](#)

## PI Information



### PI Astra

#### What Is the PI Astra?

Pi Network is a digital currency project that aims to keep cryptocurrency mining accessible, as the centralisation of first-generation currencies like Bitcoin (BTC) has put mining them beyond the reach of many everyday users.

The Pi Network, developed by a team of Stanford University graduates, enables users to mine Pi cryptocurrency coins using its desktop and mobile phone apps, validating transactions on a distributed record.

Unlike nodes on networks such as Bitcoin that use proof-of-work (PoW) protocols, Pi nodes use an algorithm based on the Stellar Consensus Protocol (SCP). Pi Nodes validate transactions on a distributed ledger and reach a consensus on the order of new transactions that the ledger records.

#### KEY TAKEAWAYS

- As with other cryptos such as Bitcoin, Pi was designed to undergo regular 'halving' to protect its scarcity. Halving is when the number of coins a miner receives for processing new transactions is reduced by half. This usually occurs when a certain milestone is reached.

- Pi's mining rate halved from 1.6  $\pi$  to 0.8  $\pi$  an hour when it reached 100,000 users, halved again to 0.4  $\pi$  an hour when it reached 1 million, and halved again to 0.2  $\pi$  when it reached 10 million users. The rewards will continue to halve, reaching zero when the network reaches 1 billion users

#### PI Apps



Pi Networks



Pi Browser



Pi Converter

#### Official Website

[Head to the official website](#)

## GA Card Details

## Logout

Gyan Astra



### Gyan Astra Card



#### Overview

The Gyan Astra (GA) card is a virtual card which facilitates the user for depositing and withdrawal of funds, it can be used in online shopping and trading without any additional charges of deposit and withdrawal or any other annual charges.

#### Usage Of Ga Card



Shopping



Trading

#### Benefits Of Ga Card

- No Annual charge
- No Deposit Charge
- No Withdrawal Charge

### Gyan Astra



Welcome bk2@gmail.com

My Funds

₹ 400

View Card

VISA  
Platinum

#### Modern Era Astra's

#### Logout

Are you sure you want to logout?

CANCEL

OK

Deposit Funds

Withdraw Funds

#### Refer & Earn



Refer & earn ₹20 per referral

#### Have Coupon Code?

Claim your reward





# System Testing

**TEST CASES:**

Serial No	Test Cases	Input	Expected Output	Actual Output	Status
1	Check Credential for user	Fill required details	Move to home page	Move to home page	Pass
2	News Page	Click News tab, Active Internet	Move to News page	Move to News page	Pass
3	Price & Coin list	Click Price tab, Active Internet	Move to Coin list	Move to Coin list	Pass
4	Astras	Click on Astra tab	Move to Astra Info page	Move to Astra Info page	Pass

# Future enhancement

## **Future Enhancement:**

- We will enable user payment integration so that user can do trading.
- We will add google ads for revenue generation.
- We will show live prices and details of Stock, NFTs, Pie market and also add feature so that the user can invest in this domain.
- We will create a virtual card model through which the profit generated from the investment can be added to this card and card can be used for payment models.

# References

## **References:**

- <https://www.flaticon.com>
- <https://lottiefiles.com/>
- <https://dribbble.com/>
- <https://www.youtube.com/>
- <https://stackoverflow.com/>
- <https://www.google.com/>
- <https://reactnative.dev/>