



Northern Illinois
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Kuber Investments

Application Design Document

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Description of Business

Kuber Investments is an investment platform to trade and invest in stocks online, seamlessly.

Mission Statement

Our mission is to empower individual investors to take control of their financial lives, free from the high costs and conflicts of traditional brokerage firms

Project Requirements

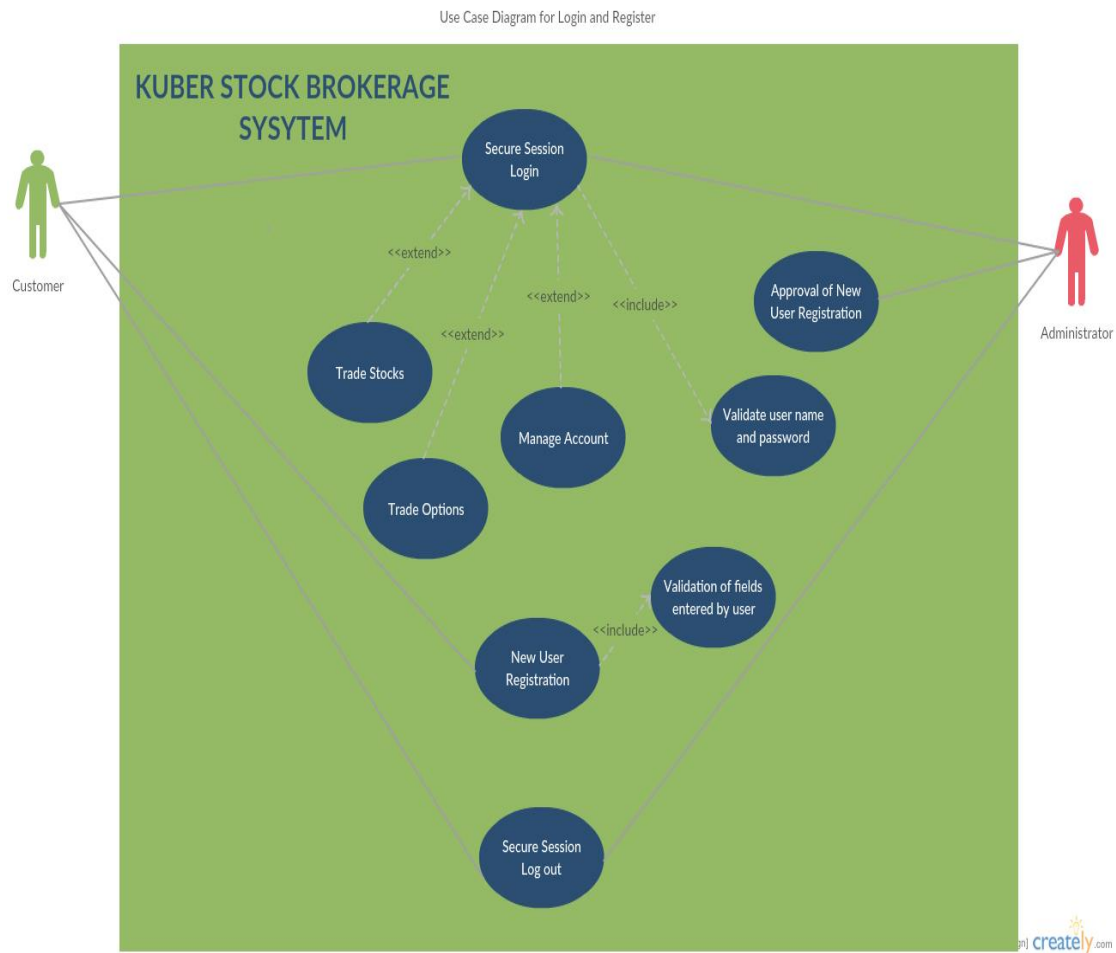
Functional Requirements

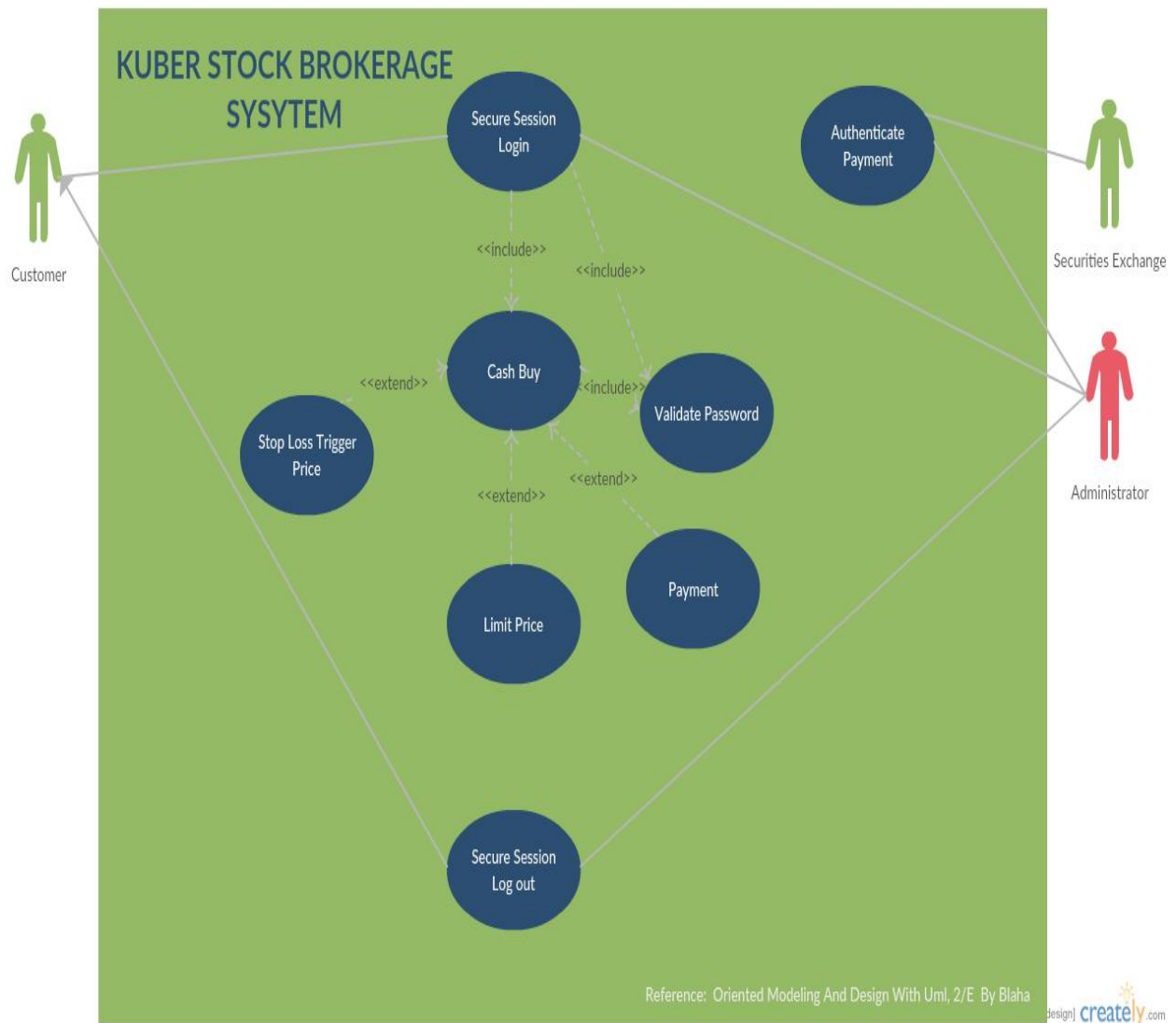
- Login – Investor logs into the system by entering the username and password.
- Register – Registers as an investor by providing the basic details and creates a login.
- Payment – Processes payment with the investor card details provided.
- View transactions – Displays the list of transactions performed by the investor.
- Cash Buy – Buys the stock.
- Cash Sell – Sells the stock.
- Margin Buy – Buys the stock with margin.
- Margin sell – Sells the stock with margin.
- Online Chat – Customer service support for the queries from the investors.

Non Functional Requirements

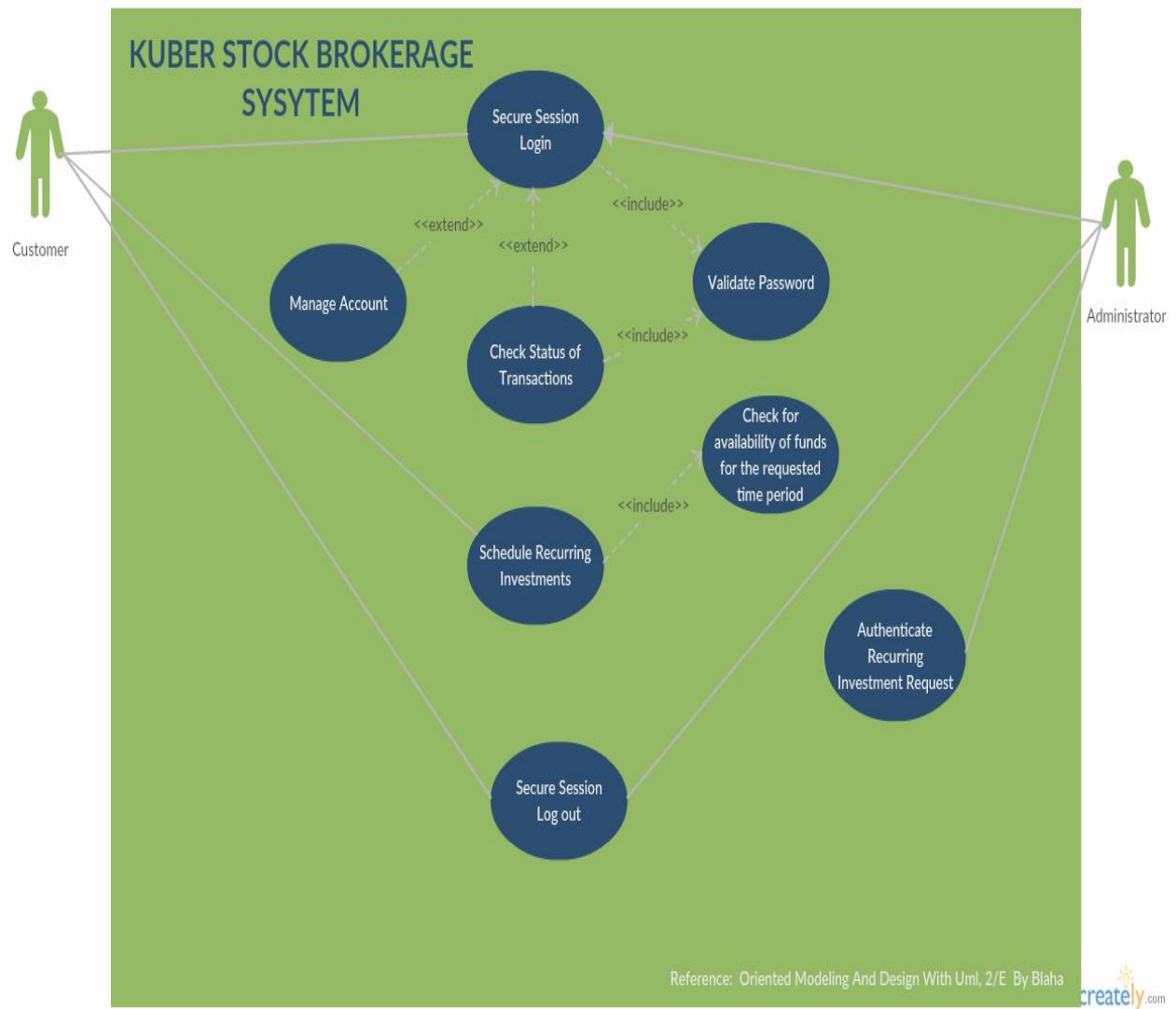
- Performance: The system must handle 1000 transactions per second.
- Reliability: Integrity of the information maintained and supplied to the system.
- Security: Efficient encryption mechanism in order to protect customer data.
- Mobile: The application must be mobile compatible.
- Portability: Application must be compatible on different platforms.
- Redundant: Data must be stored and secured at multiple locations.
- Scalability: The Application will remain effective with increase in number of users and resources.
- Legal Compliance: Application must be compliant with legal issues involving intellectual property rights and privacy of information.

Use Case Diagrams



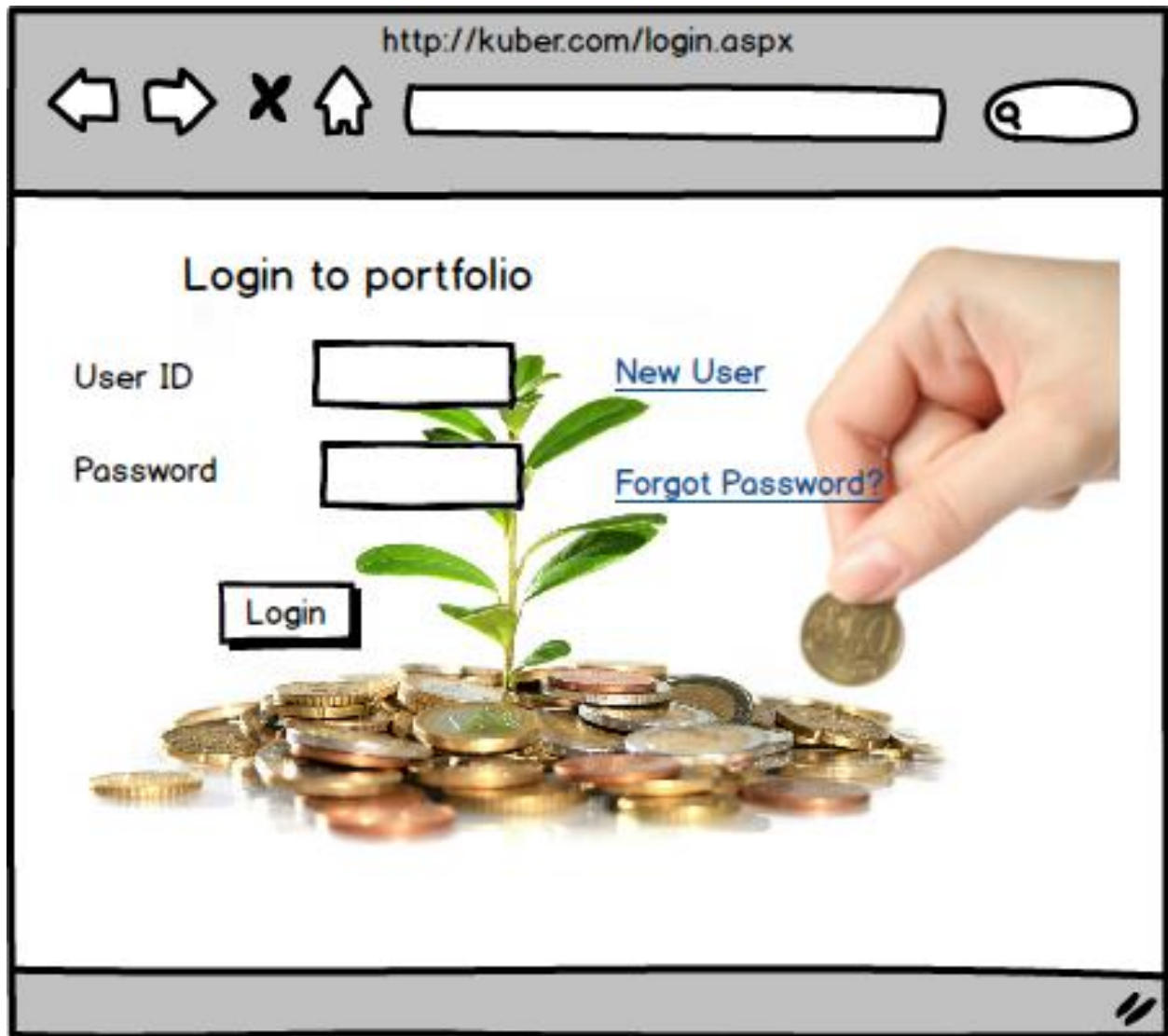


Use Case Diagram to view Transactions and
Schedule Recurring Investments



Wireframes

Login Page



Register Page

http://www.kuber.com/register.aspx

Register for portfolio

FirstName:

LastName:

UserName:

Password:

Confirm Password:

Email ID:

A hand is shown dropping a coin into a pile of various coins. A small green plant with several leaves is growing out of the center of the coin pile. The background is white.

Payment Page

http://www.kuber.com/OrderID=XXX/payment.aspx

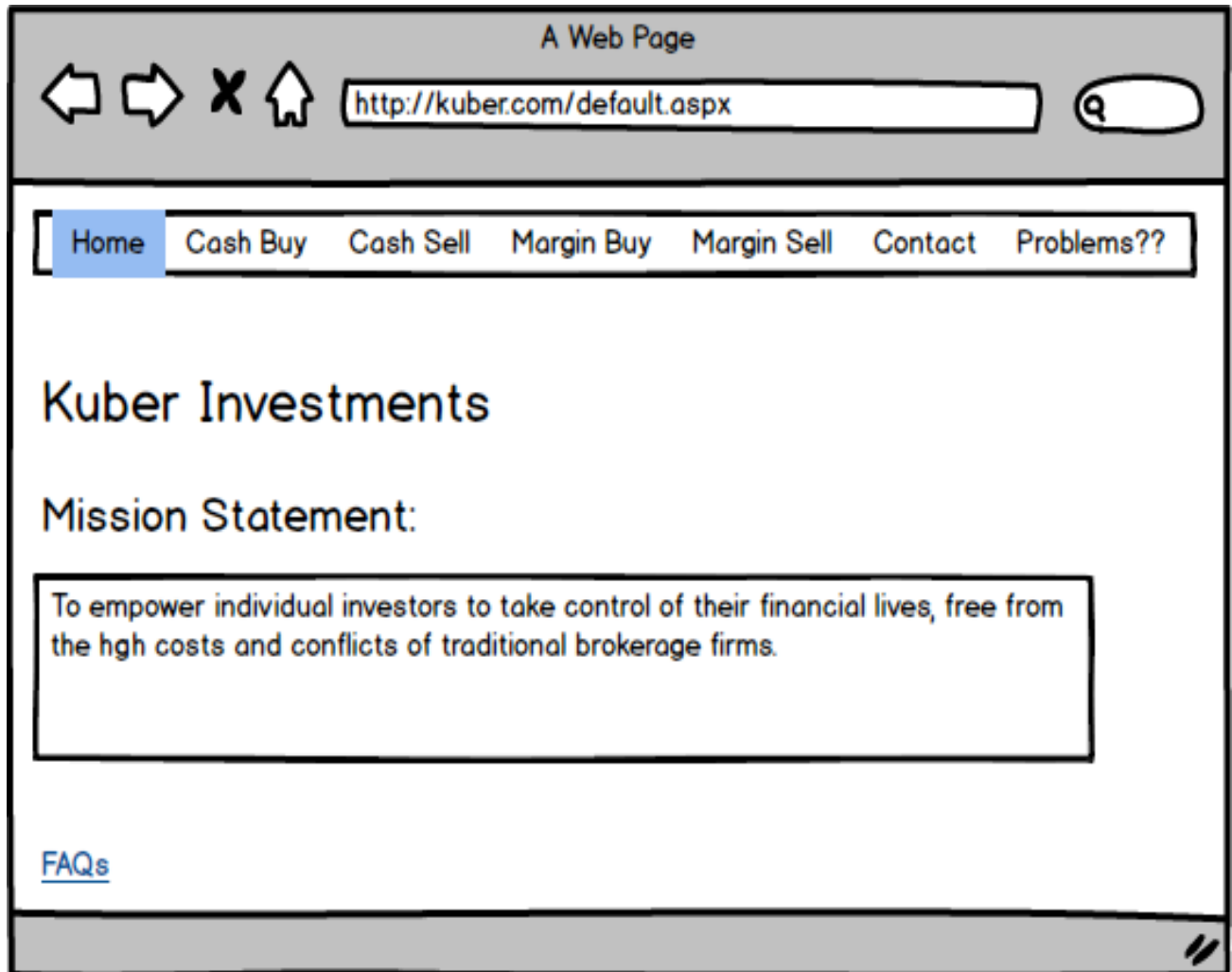
Payment Details

Name on the card

Card Number

Expiry Date

CVV



Cash Buy functionality page

The image is a hand-drawn sketch of a web browser window. The address bar at the top shows the URL `http://kuber.com/cashbuy.aspx`. Below the address bar is a navigation menu with five tabs: 'Home', 'Cash Buy' (which is highlighted with a blue background), 'Cash Sell', 'Margin Buy', and 'Margin Sell'. The main content area is titled 'Cash Buy' and contains several input fields and radio buttons. There are two text input fields for 'Stock' and 'Quantity'. Below these are two rows of radio buttons: 'Order Type' with options 'Day', 'IOC', and 'VTC' (followed by a question mark icon), and 'Order Validity' with options 'Market' and 'Limit' (followed by a question mark icon). There is also a text input field for 'Limit Price'. At the bottom of the form are two buttons: 'Buy Now' and 'Clear'. The browser window has a standard toolbar with back, forward, close, and home icons, and a search icon on the right.

http://kuber.com/cashbuy.aspx

Home Cash Buy Cash Sell Margin Buy Margin Sell

Cash Buy

Stock

Quantity

Order Type ☐ Day ☐ IOC ☐ VTC ?

Order Validity ☐ Market ☐ Limit ?

Limit Price

Buy Now Clear

Order Summary Page

http://kuber.com/ordersummary.aspx

ORDER SUMMARY

Account : 123456789
Action : Buy
Stock : XYZ
Quantity : 100
Order Type : Day
Order Validity : Market
Limit Price : 10000