

Acknowledgement

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Abstract

The purpose of this project is to build a system that will allow clients to initiate their pledging process using SPA. Currently Clients are handling their own collateral funding and pledging process using various tools and platform. They use the one of the system to view securities that are available for pledging and releasing and use another tool to complete their pledging process by filling their shells (method used to classify the quality of securities).

The Client is now looking to be a fully disclosed client of Clearing house and will need to be able to perform their pledging process using the Clearing house systems. Client will be using the Front end screens to only see securities for pledging and releasing. Entitlements will be created and be available to client. No clients will be having direct control over pledge and release process. There will be an intermediate for every client namely broker dealer, who takes care of all the process.

The clearing house system mainly focuses on complete settlement policies between the two parties in a transaction. Some transaction may get cleared in two days, some may take more than two days which depends on their pledging policies, usually it is termed as t+2, t+3 days transaction. It means within the specified days after the transaction has done, the complete clearance of the securities and the proof of transaction will be provided to both the parties and no pending works will be there.

The data for pledging and releasing will be maintained for 10 years with the current open items. The Pledging Screen will be available 24/7. Action can only be taken on US business days 6 AM – 6 PM. During bank holidays, the screen will display the account holdings but no action can be taken from the screens.

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List of Abbreviations

CPU	Central Processing Unit
IO	Input Output
IDE	Integrated Development Environment
RAM	Random Access Memory
HTML	Hypertext Markup Language
CSS	Cascading Style Sheet
API	Application Programming Interface
HTTP	Hypertext Transfer Protocol
XML	Extensible Markup Language
JSON	JavaScript Object Notation
REST	Representational state transfer
SOAP	Simple Object Access Protocol
FTP	File Transfer Protocol
AJAX	Asynchronous JavaScript and XML
FDIC	Federal Deposit Insurance Corporation
IBD	Intermediate Broker Dealer
HCL	Hardware Compatibility List
CUSIP	Committee on Uniform Securities Identification Procedures