

Pro View

System Design Document

CSCC01

Group: Pro-Group

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Front End CRC Cards:

Card 1	
Component: Login Page	
Place: \frontend\src\components\Login.js	
Parent Class: None SubClass: None	
Responsibilities: Allow the user to register a new email and password.	Collaborator: Edit Text, Button

Card 2	
Component: Navbar	
Place: \frontend\src\components\NavBar\NavBar.js	
Parent Class: None SubClass: None	
Responsibilities: Show the dropdowns. Allow users to navigate between different pages.	Collaborator: StockPage,Clock, Trade, View, Button

Card 3	
Component: Register Page	
Place: \frontend\src\components\Register.js	
Parent Class: None SubClass: None	
Responsibilities: Allow user to register	Collaborator: Login, Stock, Button

Card 4	
Component: Clock	
Place: \frontend\src\components\Clock.js	
Parent Class: None SubClass: None	
Responsibilities: Show different time zone times	Collaborator:

Card 5	
Component: Currency	
Place: \frontend\src\components\Login.js	
Parent Class: None SubClass: None	
Responsibilities: Convert currency	Collaborator:

Card 6	
Component: Chatbox	
Place: \frontend\src\components\chatBox.js	
Parent Class: None SubClass: None	
Responsibilities: allow users to chat with other users	Collaborator: Edit Text

Card 7	
Component: Trade	
Place: \frontend\src\components\Trade.js	
Parent Class: None SubClass: None	
Responsibilities: Allow user to trade stocks	Collaborator:

Card 8	
Component: View	
Place: \frontend\src\components\View.js	
Parent Class: None SubClass: None	
Responsibilities: Show users the image and their different stock status	Collaborator:

Card 9	
Component: Button	
Place: \frontend\src\components\Button.js	
Parent Class: None SubClass: None	
Responsibilities: Allow users to interact with the website	Collaborator:

Card 10	
Component: Edit Text (password box etc)	
Place: \frontend\src\components\editText.js	
Parent Class: None SubClass: None	
Responsibilities: Allow users to input information	Collaborator:

Card 11	
Component: Stock	
Place: \frontend\src\Stock.js	
Parent Class: None SubClass: None	
Responsibilities: Show the stock graph on the page	Collaborator:

Card 12	
Component: Selection bar	
Place: \frontend\src\components\selectionBar	
Parent Class: None SubClass: None	
Responsibilities: Allow users to switch to different stock	Collaborator: Button

Card 13	
Component: Drawing panel	
Place: \frontend\src\components\drawingPanel.js	
Parent Class: None SubClass: None	
Responsibilities: Allow users to drawing on the panel	Collaborator:

Backend CRC Cards

Card 14	
Component: User list	
Place: \backend\controllers\auth.js	
Parent Class: None SubClass: None	
Responsibilities: Send user info	Collaborator:

Card 15	
Component: Register	
Place: \backend\controllers\auth.js	
Parent Class: None SubClass: None	
Responsibilities: Allow users to register an account	Collaborator:

Card 16	
Component: Login	
Place: \backend\controllers\auth.js	
Parent Class: None SubClass: None	
Responsibilities: Allow users to login	Collaborator:

Card 17	
Component: Logout	
Place: \backend\controllers\auth.js	
Parent Class: None SubClass: None	
Responsibilities: Allow users to logout	Collaborator:

Card 18	
Component: Profile	
Place: \backend\controllers\auth.js	
Parent Class: None SubClass: None	
Responsibilities: Allow users to see the profile	Collaborator:

Card 19	
Component: database_connect	
Place: \backend\db\connect.js	
Parent Class: None SubClass: None	
Responsibilities: Store the data	Collaborator: User

Card 19	
Component: User	
Place: \backend\models\User.js	
Parent Class: None SubClass: None	
Responsibilities: Formalize the user information	Collaborator: database_connect

System architecture

System architecture Diagram

Three-tier-Architecture

