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: |

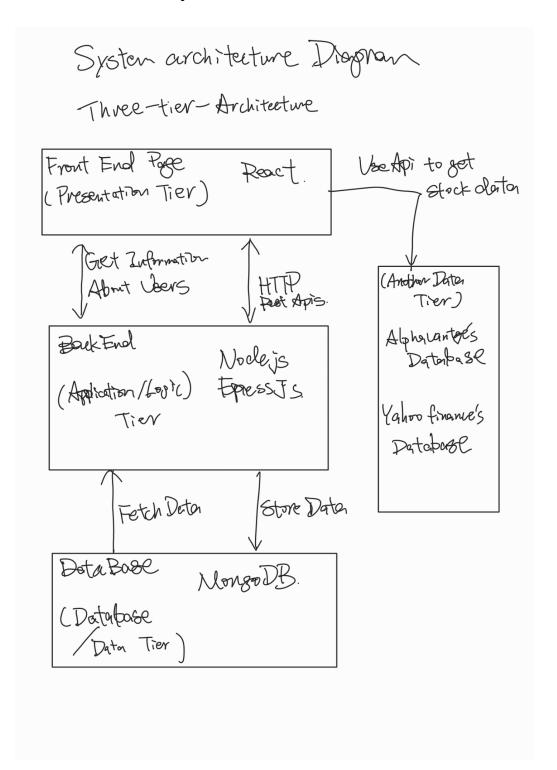
Backend CRC Cards

| 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



Reference: https://www.ibm.com/cloud/learn/three-tier-architecture