

- **Position - React Front End Developer**
- **Goal:** Create a small “Bitcoin Frenzy” dashboard

- **Dashboard requirements:**

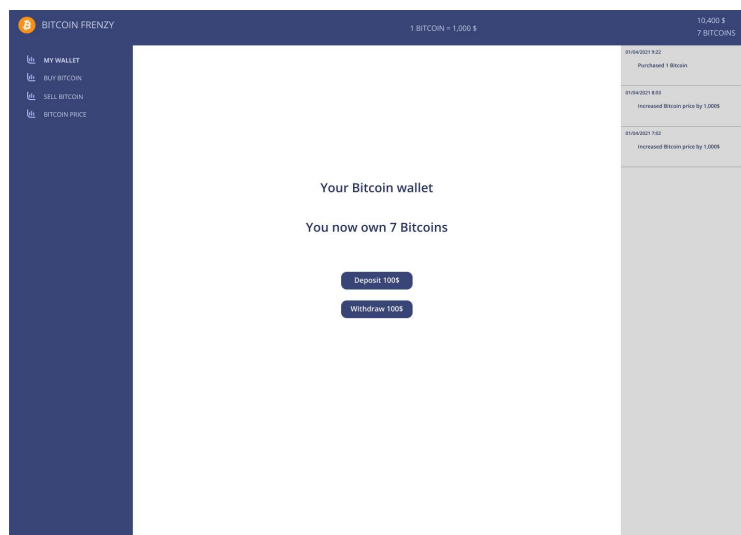
1. The dashboard have 4 sections:

- Left side menu that allows the user to navigate between different pages.
- Top ribbon that shows the bitcoin conversion price and the number of dollars and number of bitcoins the user owns.
- Right side history section that shows the history of actions that the user performed (last action is always at the top).
- Page section that shows the content of the selected page.

2. The dashboard have 4 screens by URL:

- /wallet - for “MY WALLET” screen
- /buy - for “BUY BITCOIN” screen
- /sell - for “SELL BITCOIN” screen
- /bitcoin - to “BITCOIN PRICE” screen

3. The default page to show is the wallet page

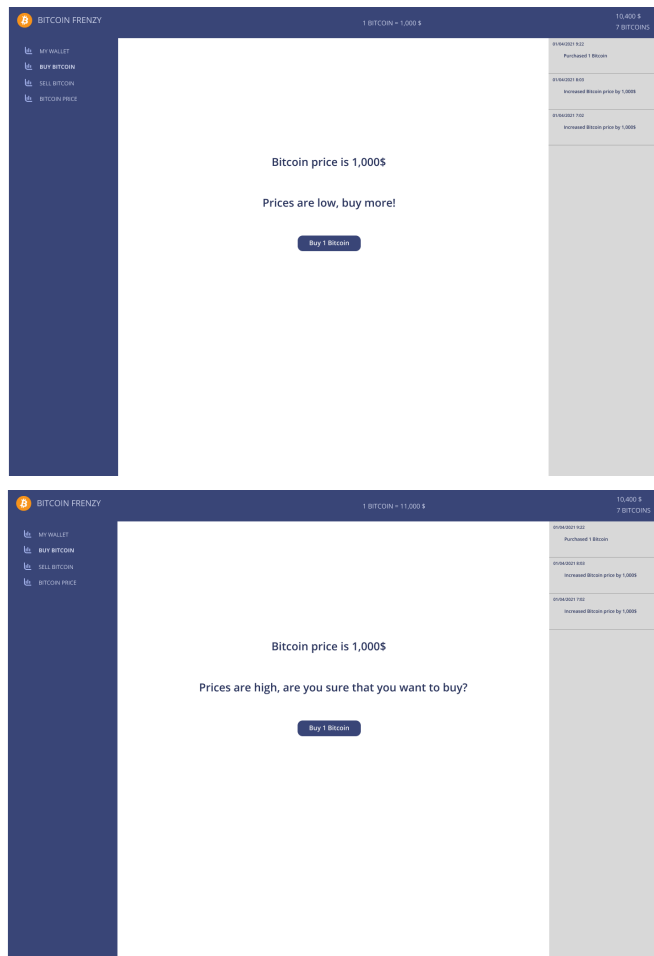


4. Each action the user performs (beside navigating to a new page) should be presented in the history section with the appropriate date and time.

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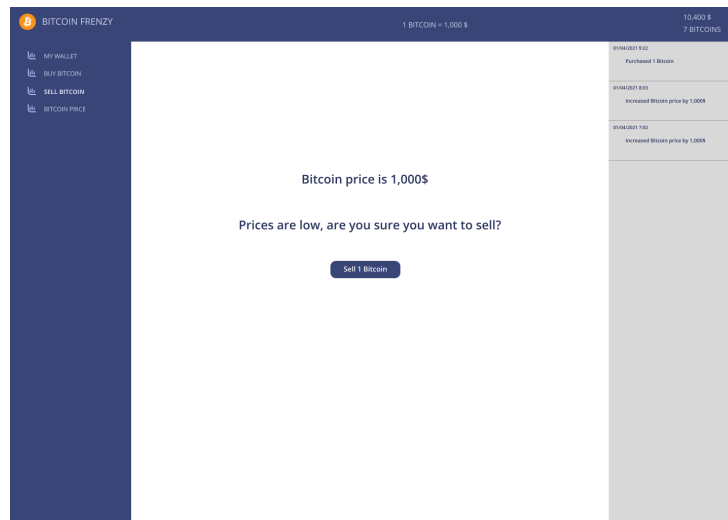
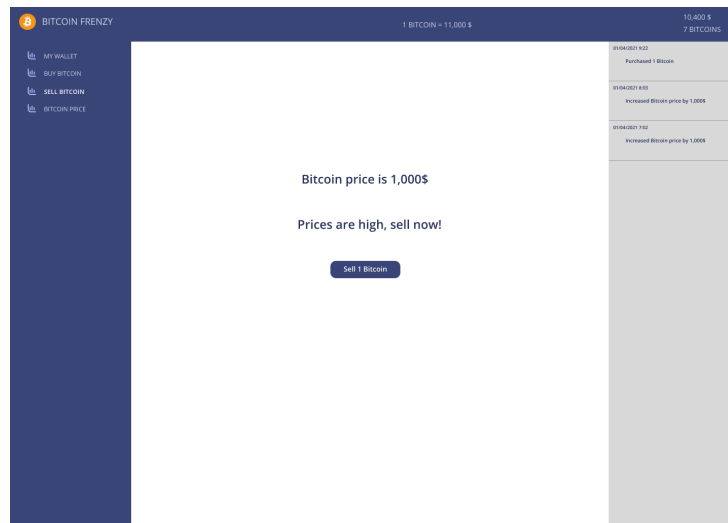
5. The history section is sorted in a descending order datetime wise.
6. Possible actions to present in the history section are:
 - 100\$ Deposit
 - 100\$ Withdrawal
 - Purchased 1 Bitcoin
 - Sold 1 Bitcoin
 - Increased Bitcoin price by 1,000\$
 - Decreased Bitcoin price by 1,000\$
7. The top ribbon displays:
 - The amount of dollars the user currently has.
 - The amount of Bitcoins the user currently has.
 - The conversion price of 1 Bitcoin to dollars.
8. The wallet page allows the user to deposit or withdraw 100\$. The user initially has 200\$.

9. The buy page allows the user to buy 1 Bitcoin at a time. The message in this page should be changed according to the Bitcoin price:
- If the Bitcoin price is above or equal to 10,000\$ the message will say "Prices are high, are you sure that you want to buy?"
 - If the Bitcoin price is below 10,000\$ the message will say "Prices are low, buy more!"

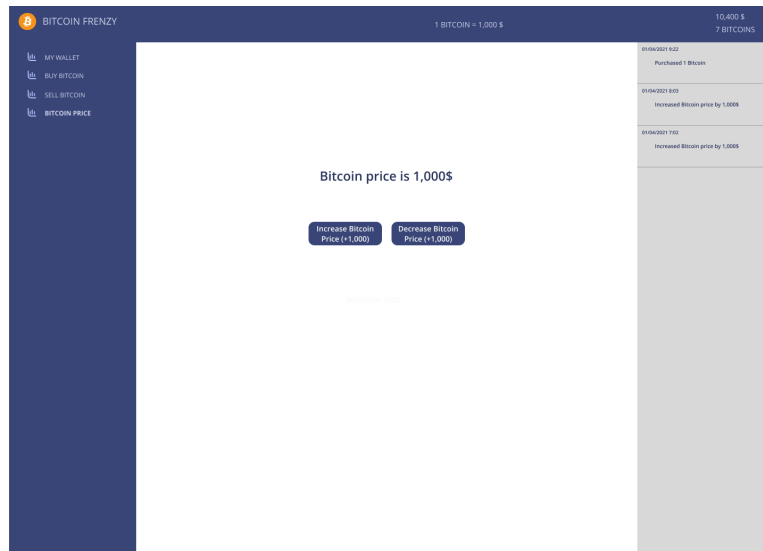


10. The sell page allows the user to sell 1 Bitcoin at a time. The message in this page should be changed according to the Bitcoin price:

- If the Bitcoin price is above or equal to 10,000\$ the message will say "Prices are high, sell now!"
- If the Bitcoin price is below 10,000\$ the message will say "Prices are low, are you sure you want to sell?"



11. The Bitcoin page allows the user to increase or decrease the Bitcoin price by 1,000\$. The Bitcoin minimum price is 1,000\$. If the user attempts to decrease the amount below 1,000\$ an error should appear "Bitcoin price cannot be below 1,000\$".



12. The initial Bitcoin price is 1,000\$

- **Assets:**



[SVG Screens](#)

- **Requirements:**

1. The extension should be developed in React + Redux.
2. Use React-Router to navigate between the different pages.
3. Make sure to add proper error handling and proper error messages.
4. Write your code in TypeScript (make sure to use proper typing)
5. Make sure to follow the given design (colors, size, etc.)

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- **Output:**

Zipped folder with 2 sub-folders:

1. **build** - The built dashboard ready to be run in a local environment.
2. **code** - The code with all the required assets. Please add a *Readme* file with instructions on how to build and run the code.

Thank you