

### ITP 303 Final Project Summary

**INSTRUCTIONS:** Type out your answer directly below each question. If a question does not apply to your project, type in N/A. When finished, save this file as a PDF and upload it to the itpwebdev server via FileZilla. Then, add a link to this PDF in your student\_page.html. Label it "Final Project Summary."

#### **BASICS**

**Your name?**

Louis Chen

**What is the topic of your final project?**

My final project is a stock market simulator with real-time stock data.

**Who is the intended audience?**

The intended audience is anyone who is interested in stocks or finance.

**Provide a brief summary of the functionalities of your project.**

My project provides a real-time dashboard of stock data from which the user can pick a quantity to buy. Then, as stock prices change in the real world, the user can see how much money they have made or lost from the stocks they have bought.

#### **FRONT-END**

**What is the total page count?**

My project consists of 16 different files of which 11 are pages on the website

**List the names of any external stylesheet used in this project below.**

styles.css

**List any CSS libraries/frameworks used in this project (e.g. Bootstrap) below.**

Bootstrap

**List any JavaScript libraries/frameworks used in this project below.**

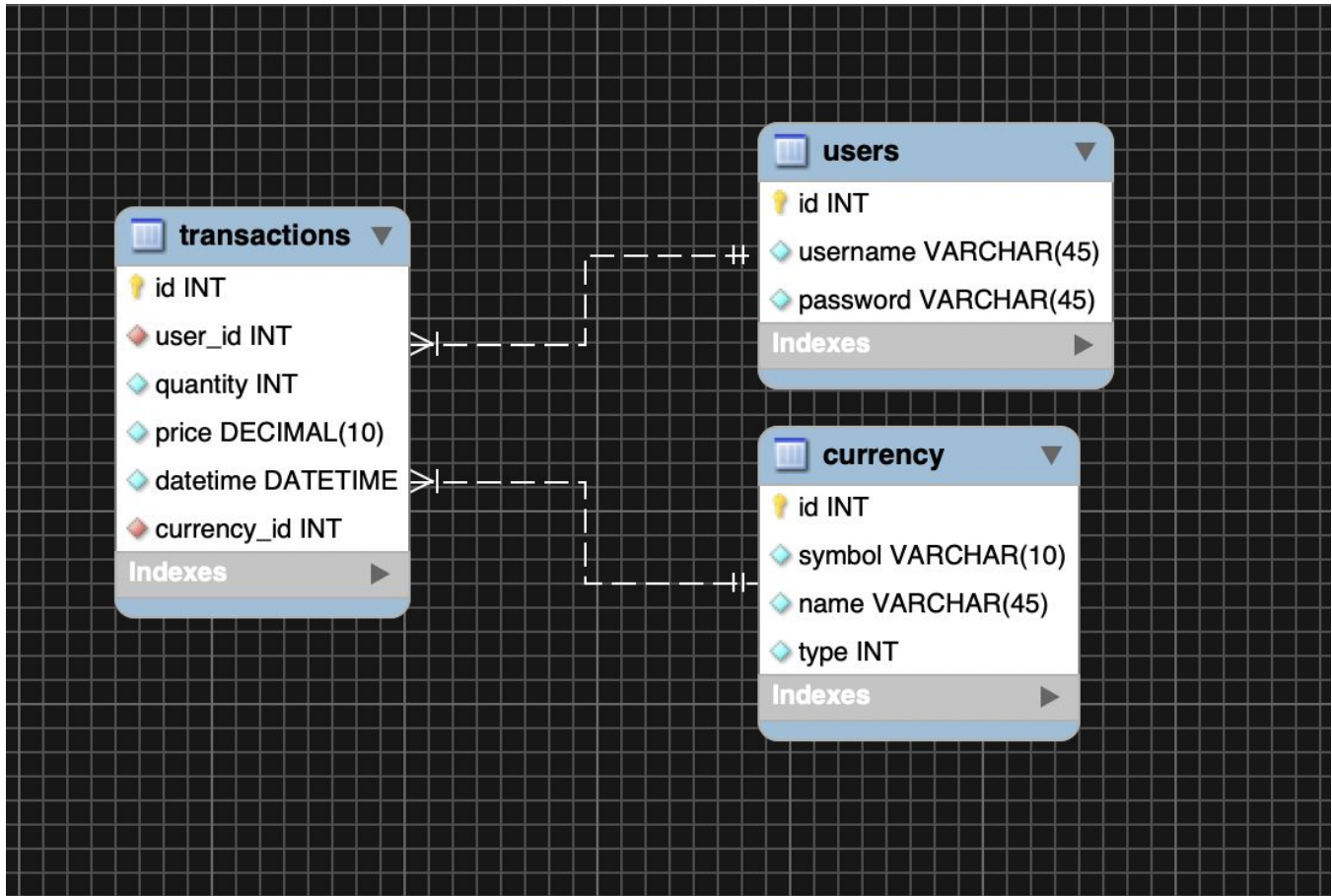
jQuery

### How does your project meet the Interactivity requirement?

There is a dark mode/ light mode button in the navbar that changes the theme of a page on the website. In addition, the website remembers which mode you are on as you transverse the site.

### BACK-END

Attach a screenshot of the final database diagram (just the diagram, do not include any records) below.



### Where in your project do you insert a record to the database (the 'C' in CRUD)?

When users sign up for an account.

### Where in your project do you search and display record(s) from the database (the 'R' in CRUD)?

In the portfolio page, where it displays a user's past transactions.

### Where in your project do you update and existing record(s) the database (the 'U' in CRUD)?

In the profile page, the user can choose to update their profile.

**Where in your project do you delete existing record(s) from the database (the 'D' in CRUD)?**

In the portfolio page, the user can decide to sell their stocks which deletes the transaction.

### MISC

**What two "extra" requirements did you implement and where can they be found?**

The two extra requirements I used were using an API and sessions. I used the IEX Cloud API to get real-time stock data and the sessions to implements user accounts.

**If you used any APIs or JS plugins/frameworks as one of the extra requirements, list the name and a link to their documentation.**

IEX Cloud: <https://iexcloud.io/docs/api/#introduction>

**If your project requires any admin credentials (i.e. only admin users can access a certain page), list the credentials below.**

**Provide any other information that you think the grader/instructor should know when grading your final project below.**