University of British Columbia, Department of Computer Science

CPSC 304

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Project Part 1

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above.

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia.

What is the domain of the application?

The domain we're modeling is a trading domain; i.e., The marketplace and traders of cryptocurrency and stocks.

What aspects of the domain are modeled by the database?

The aspects that are going to be modelled will be the information related to the trader's including information about the user such as the content of their profiles, preferences, balances and all information necessary for trading to take place. The information about the marketplace that holds the stocks, the stock itself with attributes including buy and sell price and history will be included. The trades themselves will be modelled and recorded with timestamps.

What benefit does the database provide to the application?

The entire application is data driven. The database will store all of the account details for its users. It will also be an up-to-date record of trading exchanges, the commodities traded on those exchanges, and the metrics and fees associated with said exchange-commodity relationships.

What functionality will the database provide?

The database will primarily act as an information store for the commodities and exchanges in which the users have specified an interest. The database will also maintain a record of past (and perhaps planned) trades made by the user so that they can evaluate their past performance and make plans for their future endeavours.

What platform will the final project be on?

The final product will be a web application that acts as a trader's interface.

What is your application's technology stack?